



Phase II Environmental Site Assessment Report

Ortega Park
604 East Ortega Street
Santa Barbara, California

prepared on behalf of
City of Santa Barbara

prepared by
Rincon Consultants, Inc.
209 East Victoria Street
Santa Barbara, California

June 13, 2019



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June 13, 2019
Rincon Project Number 18-06506

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Environmental Health Services Division
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**Subject: Phase II Environmental Site Assessment Report – Ortega Park
604 East Ortega Street, Santa Barbara, California**

Dear Mr. McCaw:

On behalf of the City of Santa Barbara, Rincon Consultants, Inc. has prepared this Phase II Environmental Site Assessment Report for the Ortega Park site located at 604 East Ortega Street, Santa Barbara, California. This report summarizes the results and findings of the soil and groundwater sampling performed within the project area.

Please contact us with any questions regarding this report or this project.

Sincerely,
Rincon Consultants, Inc.

A handwritten signature in black ink, appearing to read "CW", with a stylized flourish at the end.

Cody Wilgus, MESM, GIT
Associate Environmental Scientist

Walt Hamann, PG, CEG
Vice President, Environmental Services

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Executive Summary

On behalf of the City of Santa Barbara, Rincon Consultants, Inc. (Rincon) has prepared this Phase II Environmental Site Assessment (ESA) Report for the Ortega Park site located at 604 East Ortega Street, Santa Barbara, California (Figure 1, Vicinity Map). It is our understanding that the site was used as a municipal waste dump from at least 1902 until at least 1927. Between 1927 and 1930, the site was developed to its current use as a City park. There are plans to rehabilitate the park with new features such as a skate park and upgraded playing fields. The current assessment was performed to evaluate whether contaminated soil would be encountered during subsurface activities associated with the park rehabilitation.

This Phase II ESA was performed in accordance with the March 22, 2019 Phase II ESA Work Plan prepared by Rincon and the April 1, 2019 approval email from the Santa Barbara County Public Health Department, Environmental Health Services Division (EHS). On April 16, 2019, under the direction of Rincon, Oilfield Environmental and Compliance (OEC) utilized a limited access Geoprobe direct push rig and hand auger to advance 20 borings at the subject property. Five borings were advanced to 10 feet below grade, 14 borings were advanced to 4 feet below grade, and 1 boring met refusal at 1 foot below grade. Two soil matrix samples were collected from each of the 10-foot and 4-foot borings and 1 soil sample was collected from the 1-foot boring. Discoloration and odor were noted at some boring locations. The photo ionization detector (PID) did not detect measureable concentrations of VOCs in any of the borings with the exception of RB3. Groundwater samples were collected from borings HP2 through HP5. Groundwater was not encountered in boring HP1. The groundwater sample collected from HP3 exhibited a sheen and slight hydrocarbon odor.

Soil sample analyses were performed using a tiered approach. Soil samples were analyzed as follows: 30 soil samples were analyzed for Full Range total petroleum hydrocarbons (TPH) by United States Environmental Protection Agency (EPA) Method 8015M, 30 soil samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270, 12 soil samples were analyzed for volatile organic compounds (VOCs), including oxygenates, by EPA method 8260B, 5 soil samples were analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8082, and 25 soil samples were analyzed for Title 22 metals by EPA Method 6010B/7471A. Additional total, soluble threshold limit concentration (STLC), and toxicity characteristic leaching procedure (TCLP) analyses for individual metals were selected based on initial results.

Four groundwater samples were analyzed for TPH as diesel (TPHd) and TPH as motor oil (TPHo) by EPA Method 8015M and for VOCs, including TPH as gasoline (TPHg) and oxygenates, by EPA Method 8260B. Soil matrix and groundwater analytical results are compared to EHS investigation levels (ILs).

A summary of the soil analytical results are included on Tables 1 through 3. Constituents were detected at concentrations exceeding EHS ILs in soil matrix samples collected from 12 of the 20 borings advanced at the subject property down to 10 feet below grade. PCBs were not detected in the analyzed soil samples.

TPH was detected at concentrations exceeding the EHS IL of 100 mg/kg in 8 of the 20 borings advanced at the subject property (Figure 3). The highest concentration of TPH was detected in soil sample RB6-4 (soil sample collected at 4 feet below grade from boring RB6) at a concentration of 12,700 mg/kg. The TPH detected in the soil samples was primarily in the diesel and motor oil ranges.



TPH concentrations exceeding EHS ILs were generally detected in the northeastern, eastern, and southern portions of the subject property.

The benzo (a) pyrene (BaP) Toxicity Equivalent (TE) exceeds the EHS IL for BaP of 0.11 mg/kg in 5 of 20 borings advanced at the subject property (Figure 5). Similar to the TPH, the highest concentrations of PAHs were detected in soil sample RB6-4. BaP TE was calculated as 75 mg/kg in soil sample RB6-4. PAH concentrations exceeding EHS ILs were generally detected in soil samples collected from borings located in the north central and northeastern portions of the subject property.

Metals were detected at concentrations exceeding EHS ILs in 12 of the 20 borings advanced at the subject property. Metals exceeding EHS ILs included arsenic, barium, chromium, lead, mercury, thallium and zinc. Lead was detected at concentrations exceeding California Hazardous Waste Thresholds in soil samples collected from 7 borings advanced in the eastern and southern portions of the subject property. Zinc was detected at a concentration exceeding California Hazardous Waste Thresholds in the soil sample collected from boring RB6. TCLP lead was detected in soil sample HP4-10 at a concentration of 4.7 milligrams per liter (mg/L) which is below the Federal Hazardous Waste Threshold of 5 mg/L.

A summary of the groundwater analytical results are included on Table 4. TPH was detected in the 4 groundwater samples at concentrations ranging from 57 micrograms per liter ($\mu\text{g/L}$) to 3,300 $\mu\text{g/L}$. TPH detected in groundwater sample HP3 exceeds the EHS IL of 1,000 $\mu\text{g/L}$. The VOCs benzene and t-butyl alcohol (TBA) were detected at concentrations exceeding EHS ILs in groundwater samples HP3 and HP5. Trichloroethene (TCE) was detected at a concentration of 0.31 $\mu\text{g/L}$, which is below the EHS IL for TCE in groundwater of 5 micrograms per liter ($\mu\text{g/L}$).

Lead and zinc were detected in the soil at concentrations exceeding California Hazardous Waste Thresholds. It is recommended that a Soil Management Plan be prepared that describes the proper handling, management, and disposal of impacted soil from the site. The Soil Management Plan should be in place for any subsurface work that is performed in the area of the site where contaminated soil has been detected.

Introduction

On behalf of the City of Santa Barbara, Rincon Consultants, Inc. has prepared this report presenting the findings of the Phase II Environmental Site Assessment (ESA) conducted at Ortega Park, located at 604 East Ortega Street, Santa Barbara, California (Figure 1, Vicinity Map). The subject property is approximately 5.35 acres in size and is identified as Assessor's Parcel Number 031-172-002. Ortega Park is currently developed with a multi-purpose turf field, outdoor basketball courts, a youth softball field, a playground, a small community building, a restroom building, a swimming pool, and a pool house.

It is our understanding that the site was used as a municipal waste dump from at least 1902 until at least 1927. Between 1927 and 1930, the site was developed as a City park. There are plans to rehabilitate the park with new features such as a skate park and upgraded playing fields. This assessment was performed to evaluate whether contaminated soil management would be warranted during subsurface activities associated with the planned site improvements.

This Phase II ESA was performed in accordance March 22, 2019 Phase II ESA Work Plan prepared by Rincon and the April 1, 2019 approval email from the Santa Barbara County Public Health Department, Environmental Health Services Division (EHS).

The following sections describe the purpose and scope of the soil and groundwater assessment, the physical setting, the assessment methodology, findings, and conclusions.



Project History

According to a Request for Proposal from the City of Santa Barbara, the City purchased the site in 1902. The site served as a municipal waste dump for debris disposal resulting from the 1925 earthquake. Between 1927 and 1930, the site was developed as a City park. Debris has been encountered in trenches excavated at the site and EHS investigation records from 1992 to 1993 reference a dump at the site. Rincon is not aware of previous environmental sampling being performed at the site. The City is investigating the feasibility of performing park improvements including installing artificial turf fields, security lighting, park restrooms, and other facilities.



Purpose and Scope

The purpose of this Phase II ESA is to evaluate concentrations of total petroleum hydrocarbons (TPH), metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and volatile organic compounds (VOCs) in the soil and concentrations of TPH and VOCs in groundwater at the subject property.

- **Site Health and Safety Plan.** The site health and safety plan was prepared in accordance with California Occupational Safety and Health Administration (Cal/OSHA) requirements (California Code of Regulations [CCR] Title 8 Section 5192).
- **Notifications.** Rincon coordinated with the client to schedule field work. Rincon pre-marked boring locations and contacted Underground Service Alert (USA) at least 72 hours prior to the commencement of subsurface activities.
- **Borings.** On April 16, 2019 a Geoprobe direct push rig and hand auger tools were utilized to advance 20 soil borings at the subject property.
 - 5 borings were advanced to 10 feet below grade.
 - 14 borings were advanced to 4 feet below grade.
 - 1 boring met refusal at 1 foot below grade.
- Groundwater samples were collected from temporary groundwater wells set at boring locations HP1, HP3, HP4 and HP5.
- **Sample Analysis.** Soil and groundwater samples were transported to Oilfield Environmental and Compliance (OEC) laboratory in Santa Maria, California. Soil samples were analyzed as follows:
 - 30 soil samples were analyzed for Full Range TPH by United States Environmental Protection Agency (EPA) Method 8015M.
 - 30 soil samples were analyzed for PAHs by EPA Method 8270.
 - 12 soil samples were analyzed for VOCs, including oxygenates, by EPA method 8260B.
 - 5 soil samples were analyzed for PCBs by EPA Method 8082.
 - 25 soil samples were analyzed for Title 22 metals by EPA Method 6010B/7471A.
 - 1 additional sample was analyzed for total arsenic by EPA Method 6010B.
 - 1 additional sample was analyzed for total barium by EPA Method 6010B.
 - 1 sample was analyzed for soluble threshold limit concentration (STLC) barium.
 - 2 additional samples were analyzed for total chromium by EPA Method 6010B.
 - 2 samples were analyzed for STLC chromium.
 - 1 sample was analyzed for toxicity characteristic leaching procedure (TCLP) chromium.
 - 31 additional samples were analyzed for total lead by EPA Method 6010B.
 - 8 samples were analyzed for STLC lead.
 - 11 samples were analyzed for TCLP lead.



- 1 additional sample was analyzed for total mercury by EPA Method 7471A.
 - 1 sample was analyzed for STLC mercury.
- 3 additional samples were analyzed for total thallium by EPA Method 6010B.
- 1 additional sample was analyzed for total zinc by EPA Method 6010B.
 - 1 sample was analyzed for STLC zinc.

Groundwater samples were analyzed as follows:

- 4 groundwater samples were analyzed for TPH as diesel (TPHd) and TPH as motor oil (TPHo) by EPA Method 8015M and TPHg and VOCs including oxygenates by EPA 8260B.
- **Waste Disposal.** Soil cuttings and decontamination fluids were properly stored onsite in a labeled Department of Transportation (DOT) 55 gallon drum. The borings were backfilled with bentonite. The drum is pending disposal by a licensed waste disposal contractor.
- **Reporting.** Prepare this report documenting our findings.



Physical Setting

Topography

The current United States Geological Survey (USGS) topographic map (Santa Barbara Quadrangle, 1952, photo revised 1988) indicates that the subject property is situated at an elevation of approximately 40 feet above mean sea level with generally flat topography. Regional topography slopes gently to the south towards the Pacific Ocean.

Geology and Hydrogeology

Site Geology

The site is located on the gently sloping Santa Barbara Coastal Plain, which is comprised of recent-aged alluvium, deposited across raised marine terraces. These alluvial deposits were derived from older sedimentary deposits within the Santa Ynez Mountains north of the site, and overlie the Quaternary aged Santa Barbara Formation. Soil encountered during the current assessment generally consisted of silt with varying amounts of sand and clay.

No active faults have been mapped by Dibblee (1986) beneath the subject property. An active fault is defined by the State of California as one which has had surface displacement within the last 11,000 years (Holocene time on the geologic time scale). Active faults are also classified by historic (within the last 200 years) seismicity, where surface rupture may or may not be evident. The concealed trace of the potentially active Mesa Fault is located approximately 1 mile south-southwest of the subject property.

Regional Groundwater Occurrence

The project site is located within the Santa Barbara Hydrologic sub-area of the South Coast Hydrologic Unit, commonly known as the Santa Barbara Groundwater Basin. The basin is bounded on the southeast by the Pacific Ocean, on the southwest by the Lavigia Fault, on the west by an unnamed fault, and on the north by the Mission Ridge Fault. The Santa Barbara Formation and overlying unconsolidated Holocene alluvium comprise the water bearing zones within this unit. Aquifers within the Santa Barbara Groundwater Basin are used for municipal and domestic water supply. In the site vicinity, the unconsolidated Holocene alluvium aquifer is approximately 200 to 400 feet below grade and the Santa Barbara Formation is located at up to approximately 1,000 feet below grade. It is our understanding that there is a water well located at the subject property. Rincon has not reviewed records for the well.

Records were reviewed on the State Water Resources Control Board's GeoTracker website. GeoTracker records for the R.J. Carroll and Sons Plumbing site located adjacent to the subject property to the southwest indicate that as recently as 2014, groundwater has been encountered at depths ranging from less than 1 foot below grade to approximately 6 feet below grade. Based on information from this and other nearby sites, the local groundwater flow direction in the shallow zone is toward the east, and the regional groundwater flow direction in the shallow zone is toward



the ocean (south to southeast). During the current assessment, groundwater was encountered in the southwest portion of the site at 5 feet below grade.



Methodology

Borings and Sampling

Boring Locations

The boring locations are depicted on Figure 2, Site Map. The locations and depths of the borings were based upon the proposed new park design outlined in *Ortega Park – Alternative Concept B*, drafted by the RRM Design Group and provided to Rincon by the City (Appendix D). The locations of the borings were recorded in the field with a GPS device with sub-meter accuracy. The geographic coordinates of the borings are included on Figure 2.

Drilling and Soil Sampling

On April 16, 2019, under the direction of Rincon, OEC utilized a limited access Geoprobe direct push rig and hand auger to advance 20 borings at the subject property. Five borings were advanced to 10 feet below grade (HP1 through HP5), 14 borings were advanced to 4 feet below grade (RB1 through RB11 and RB13 through RB15), and 1 boring was advanced to refusal at 1 foot below grade (RB12). Initially, the Geoprobe was utilized to advance boring RB12. However, unconsolidated soil driven into the sampler could not be retrieved before falling back into the boring. A hand auger was then utilized to advance the boring. Refusal was met at 1 foot below grade using the hand auger. Two step-outs were attempted with the hand auger and each met refusal at 1 foot below grade. Abundant debris was encountered in each of the hand auger attempts.

Two soil matrix samples were collected from each of the 10-foot borings at depths of approximately 4.5 to 5.0 and 9.5 to 10.0 feet below grade. Two soil matrix samples were collected from each of the 4-foot borings at depths of approximately 1.5 to 2.0 and 3.5 to 4.0 feet below grade. One soil sample was collected at a depth of approximately 0.5-1.0 feet below grade from boring RB12. Soil sample depths were adjusted in the field to collect soil samples from changes in lithology, depths exhibiting field evidence of contamination (including evidence of fill material such as glass, bricks, and other debris), and from the bottom of the boring.

The Geoprobe borings were continuously cored by hydraulically driving a two-inch diameter rod into the ground. The macro-core consisted of a 2-inch diameter tube containing a 4 or 5 foot long acetate sleeve liner. By advancing this sampler into the soil, soil was forced into the opening of the sampling tube and a sample was obtained. Once the sampler was filled, it was retrieved and the acetate liner was removed. The designated sampling section length (6 to 12 inches) was cut and retained for laboratory analysis. The acetate sleeves holding the soil samples were labeled, sealed with Teflon, capped, and stored in a cooler chilled to 4 degrees Celsius. Samples were couriered to a state certified analytical laboratory using chain-of-custody protocol.

Unretained soil recovered near the target sample intervals was used to field screen the soil sample for VOCs and classify the soils. A photoionization detector (PID) was used to field screen the sample. To screen the soil, a small soil volume was placed in a zip lock baggie and allowed to volatilize. After a period of time, the baggie was slightly opened, and the PID probe tip was placed within one-eighth inch of the soil inside the baggie. Prior to testing, the PID was calibrated to an isobutylene standard.



PID data are recorded on the soil boring logs. Observations made in the field were recorded on the log created for each boring. The boring logs include classification of the soil per the Unified Soil Classification System, a description of any discoloration, debris, or odors noted in the soil, and any detection measured by the PID. The boring logs are included as Appendix A.

Soil sample collection was in conformance with the current version of the United States EPA, SW-846 guidance document – *Test Methods for Evaluating Solid Waste*.

Following collection of soil samples, all equipment was washed in a soap solution and double rinsed with tap water. Upon completion of sampling, the boreholes were backfilled with bentonite. Soil cuttings and decontamination water were properly stored onsite in a labeled DOT 55 gallon drum pending disposal.

All sampling was performed under the oversight of a California Professional Geologist.

Groundwater Sampling

Following the completion of soil sampling, temporary groundwater wells were constructed at boring locations HP2 through HP5. The temporary wells were constructed of ¾-inch diameter Schedule 40 PVC piping with 5 feet of 0.010-inch slotted screen. Groundwater was allowed to accumulate in each well and groundwater samples were collected using a disposable tube fitted with a reusable check valve. The reusable check valve was washed in a soap solution and double rinsed with tap water prior to sampling each well. The sampling containers and volume were commensurate with the analytical requirements for the specific analytical procedure performed. The groundwater samples were labeled, sealed, and stored in a cooler chilled to 4 degrees Celsius. The samples were couriered to a state certified laboratory using chain-of-custody protocol.

Laboratory Analysis

Soil Matrix Sample Analysis

The soil matrix samples were transported to OEC laboratory in Santa Maria, California. Soil sample analyses were performed using a tiered approach. Initially, 24 soil samples were analyzed for Full Range TPH by EPA Method 8015M, PAHs by EPA Method 8270, and Title 22 metals by EPA Method 6010B/7471A. Select soil samples were analyzed for VOCs including oxygenates by EPA Method 8260B and PCBs by EPA Method 8082 based on field evidence of contamination. Soil samples collected, but not analyzed, were placed on hold with the analytical laboratory pending results of the scheduled analyses.

Following preliminary analytical results, soil samples that detected a total metal concentration above 10 times the STLC were analyzed for STLC for that metal. Soil samples that detected a total metal concentration above 20 times the STLC were analyzed for TCLP for that metal. Additional analyses for total metals, TPH, and PAHs were selected to further delineate the vertical extent of contamination. Soil samples were analyzed as follows:

- 30 soil samples were analyzed for Full Range TPH by EPA Method 8015M.
- 30 soil samples were analyzed for PAHs by EPA Method 8270.
- 12 soil samples were analyzed for VOCs, including oxygenates, by EPA method 8260B.
- 5 soil samples were analyzed for PCBs by EPA Method 8082.
- 25 soil samples were analyzed for Title 22 metals by EPA Method 6010B/7471A.
 - 1 additional sample was analyzed for total arsenic by EPA Method 6010B.



- 1 additional sample was analyzed for total barium by EPA Method 6010B.
 - 1 sample was analyzed for soluble threshold limit concentration (STLC) barium.
- 2 additional samples were analyzed for total chromium by EPA Method 6010B.
 - 2 samples were analyzed for STLC chromium.
 - 1 sample was analyzed for toxicity characteristic leaching procedure (TCLP) chromium.
- 6 additional samples were analyzed for total lead by EPA Method 6010B.
 - 8 samples were analyzed for STLC lead.
 - 11 samples were analyzed for TCLP lead.
- 1 additional sample was analyzed for total mercury by EPA Method 7471A.
 - 1 sample was analyzed for STLC mercury.
- 3 additional samples were analyzed for total thallium by EPA Method 6010B.
- 1 additional sample was analyzed for total zinc by EPA Method 6010B.
 - 1 sample was analyzed for STLC zinc.

Groundwater Sample Analysis

Four groundwater samples were analyzed for TPHd and TPHo by EPA Method 8015M and for TPHg and VOCs including oxygenates by EPA Method 8260B.



Screening Criteria

The subject property is within the jurisdictional area of the Central Coast Regional Water Quality Control Board (RWQCB). The Central Coast RWQCB regulates groundwater quality in Santa Barbara County. EHS works in conjunction with the Central Coast RWQCB. The goal of EHS is to protect human health, water resources, and the environment from unauthorized releases by providing oversight in accordance with the California Health and Safety Code, California Fire Code, and California Code of Regulations (Leaking Underground Fuel Tank & Site Mitigation Unit Manual, January 2007).

Constituent concentrations detected in the soil samples are compared to EHS investigation levels. In our experience, EHS commonly sets ILs for contaminants in soil at the San Francisco Bay RWQCB's Environmental Screening Levels (ESLs). The screening levels are not necessarily cleanup goals.

Soil Matrix

PAHs, VOCs, and PCBs

EHS ILs for PAHs, VOCs, and PCBs are set at Tier 1 ESLs. Tier 1 ESLs are considered to be conservative concentration thresholds based on a generic site model designed for use at most sites. ESLs were updated in January 2019.

TPH

The EHS IL for TPH is for the aggregate of all carbon chains. For sites where the detected concentrations of TPH in soil are less than 50 feet above groundwater, the EHS IL for TPH in soil is 100 milligrams per kilogram (mg/kg). EHS distinguishes the type of hydrocarbons by the following carbon ranges: gasoline range organics are in the carbon 4 (C₄) to C₁₂ range, diesel range organics are in the C₁₃ to C₂₂ range, and oil range organics are in the C₂₃ to C₄₀ range. The analytical laboratory (OEC) used for the current assessment distinguishes the type of hydrocarbons by the same carbon ranges as EHS.

Metals

EHS ILs for metals are set at the Tier 1 ESL, the upper level of typical background concentrations, or a solid concentration equal to 10 times the STLC value. Typical background concentrations for metals in soil in California are as referenced in Kearny Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996.

Groundwater

TPH

The EHS IL for TPH in groundwater is 1 milligram per liter (mg/L) or 1,000 micrograms per liter (µg/L).



VOCs

VOC concentrations in the groundwater are compared to Maximum Contaminant Levels (MCLs) for drinking water established by the United States EPA and the California EPA (currently through the State Water Resources Control Board, 2012).



Results

Soil Matrix

Organic odor similar to decomposing vegetation was noted in the soil matrix sample collected at 10 feet below grade from boring HP3. Possible grey and black staining was encountered in borings RB4, RB5, RB6, RB9, and RB10. Debris, including glass, metal, and building materials such as brick, was noted in borings HP2, RB4, RB6, RB7, RB9, RB10, RB11, and RB12. Soil encountered in the borings generally consisted of silt with varying amounts of sand and clay. Field screening with the PID did not detect measureable concentrations of VOCs in the borings with the exception of RB3. Soil screened in boring RB3 at 2 and 4 feet below grade detected VOCs at concentrations of 4 parts per million by volume (ppmv) and 10 ppmv, respectively.

A summary of the soil analytical results are included on Tables 1 through 3. Soil matrix laboratory analytical reports are included in Appendix B.

Full Range TPH

Full Range TPH is the aggregate of all carbon chains. As summarized on Table 1, Full Range TPH was detected in 21 of the 30 analyzed soil samples at concentrations ranging from 0.32 mg/kg to 12,700 mg/kg. Full Range TPH was detected in 12 soil samples at concentrations exceeding the EHS IL of 100 mg/kg. The highest concentration of Full Range TPH was detected in the soil sample collected at 4 feet below grade from boring RB6.

The following describes the breakdown of the aggregate TPH concentrations to TPHg, TPHd, and TPHo.

TPHg

TPHg was detected in 2 of the analyzed soil samples at concentrations of 0.32 mg/kg and 3.4 mg/kg, below the EHS IL of 100 mg/kg.

TPHd

TPHd was detected in 12 of the analyzed soil samples at concentrations ranging from 9.6 mg/kg to 5,800 mg/kg. TPHd was detected in 6 soil samples at concentrations exceeding the EHS IL of 100 mg/kg. The highest concentration of TPHd was detected in the soil sample collected at 4 feet below grade from boring RB6. TPHd detected at this location exceeds the construction worker ESL for TPHd in soil of 1,100 mg/kg and the commercial/industrial ESL for TPHd in soil of 1,200 mg/kg.

TPHo

TPHo was detected in 17 of the analyzed soil samples at concentrations ranging from 40 mg/kg to 8,000 mg/kg. TPHo was detected in 11 soil samples at concentrations exceeding the EHS IL of 100 mg/kg. The highest concentration of TPHo was detected in the soil sample collected at 4 feet below grade from boring RB4. TPHo was detected in 5 soil samples at concentrations exceeding the Tier 1



ESL for TPHo in soil of 1,600 mg/kg. None of the TPHo detections exceed the commercial/industrial or construction worker ESLs for TPHo in soil.

Metals

As summarized on Table 2, varying concentrations of metals were detected in the soil matrix samples. Arsenic, barium, chromium, lead, mercury, thallium, and zinc were detected at concentrations exceeding EHS ILs.

The following describes concentrations of individual metals that exceed screening criteria.

Arsenic

Arsenic was detected in the 26 analyzed soil samples at concentrations ranging from 2 mg/kg to 20 mg/kg and in 1 sample at a concentration exceeding the EHS IL for arsenic in the soil of 11 mg/kg. Arsenic was detected in the soil sample collected at 4 feet below grade from boring RB7 at a concentration of 20 mg/kg.

Barium

Barium was detected in the 26 analyzed soil samples at concentrations ranging from 25 mg/kg to 1,200 mg/kg and in 1 sample at a concentration exceeding the EHS IL for barium in soil of 1,000 mg/kg. Barium was detected in the soil sample collected at 4 feet below grade from boring RB7 at a concentration of 1,200 mg/kg. This sample was analyzed for STLC barium. STLC barium was not detected above the STLC of 100 mg/L.

Chromium

Chromium was detected in the 27 analyzed soil samples at concentrations ranging from 11 to 120 mg/kg and in 2 samples at concentrations exceeding the EHS IL for chromium in soil of 50 mg/kg. Chromium was detected in the soil samples collected at 4 feet below grade from borings RB5 and RB7 at concentrations of 120 mg/kg and 72 mg/kg, respectively. Both samples were analyzed for STLC chromium and the sample collected from RB5 was analyzed for TCLP chromium. STLC and TCLP chromium were not detected above the STLC and TCLP of 5 mg/L.

Lead

Lead was detected in the 31 analyzed soil samples at concentrations ranging from 4.2 mg/kg to 4,600 mg/kg. Lead was detected in 12 soil samples at concentrations exceeding the ESH IL for lead in soil of 50 mg/kg. Soil samples collected from borings RB5, RB6, RB7, RB10, RB12, and HP4 detected lead at concentrations exceeding the construction worker ESL for lead in soil of 160 mg/kg. Soil samples collected from borings RB5, RB7, RB10, and HP4 detected lead at concentrations exceeding the commercial/industrial ESL for lead in soil of 320 mg/kg. Lead detected in soil samples collected at 4 feet below grade from borings RB5 and RB10 exceed the total threshold limit concentration (TTLC) for lead of 1,000 mg/kg.

Eight soil samples were analyzed for STLC lead. STLC lead was detected in 6 of the analyzed samples at concentrations exceeding the STLC threshold for lead of 5 mg/L. Eleven soil samples were analyzed for TCLP lead. TCLP lead was not detected above the TCLP threshold for lead of 5 mg/L. TCLP lead was detected in soil sample HP4-10 at a concentration of 4.7 milligrams per liter (mg/L) which is below the Federal Hazardous Waste Threshold of 5 mg/L.



Mercury

Mercury was detected 24 of the 26 analyzed soil samples at concentrations ranging from 0.0099 mg/kg to 2.1 mg/kg and in 1 sample at a concentration exceeding the EHS IL for mercury in soil of 2 mg/kg. Mercury was detected in the soil sample collected at 4 feet below grade from boring RB5 at a concentration of 2.1 mg/kg. This sample was analyzed for STLC mercury. STLC mercury was not detected above the STLC of 0.2 mg/L.

Thallium

Thallium was detected in 21 of the 28 analyzed soil samples at concentrations ranging from 0.46 mg/kg to 2.8 mg/kg in 13 samples at concentrations exceeding the EHS IL for thallium in soil of 2 mg/kg. The highest concentration of thallium was detected in boring HP5. Thallium was not detected at concentrations exceeding the construction worker ESL for thallium in soil of 3.5 mg/kg or the commercial/industrial ESL for thallium in soil of 12 mg/kg.

Zinc

Zinc was detected in the 26 analyzed soil samples at concentrations ranging from 11 mg/kg to 3,300 mg/kg and in 1 soil sample at a concentration exceeding the EHS IL for zinc in soil of 2,500 mg/kg. Zinc was detected in the soil sample collected at 4 feet below grade from boring RB6 at a concentration of 3,300 mg/kg. This sample was analyzed for STLC zinc. STLC zinc was detected at a concentration of 330 mg/L, exceeding the STLC of 250 mg/L.

PAHs

As summarized on Table 3, varying concentrations of PAHs were detected in the soil matrix samples. Benz (a) anthracene, benzo (b) fluoranthene, benzo (a) pyrene (BaP), dibenz (a,h) anthracene, indeno (1,2,3-cd) pyrene, and naphthalene were detected at concentrations exceeding EHS ILs. The highest concentrations of PAHs were detected in the soil sample collected at 4 feet below grade from boring RB6.

BaP Toxicity Equivalent Factors

The *Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons* (EPA/600/R-93/089, July 1993) recommends that a toxicity equivalent factor (TEF) be used to convert concentrations of carcinogenic PAHs to a BaP Toxicity Equivalent (TE) concentration when evaluating the cancer risks posed by exposure to these substances. The TEFs and the TEs for each soil sample are included in Table 3. Calculated BaP TEs are compared to screening levels for BaP.

The calculated BaP TEs range from not detected to 75 mg/kg. The calculated BaP TE exceeds the EHS IL for BaP in soil of 0.11 mg/kg in 7 of the 30 analyzed soil samples. BaP TEs for soil samples collected at 4 feet below grade from borings RB5 and RB6 were calculated to be 25 mg/kg and 75 mg/kg, respectively, exceeding the commercial/industrial ESL for BaP in soil of 20 mg/kg. None of the calculated BaP TEs exceed the construction worker ESL for BaP in soil of 110 mg/kg.

VOCs

The VOC 4-isopropyl toluene was detected in the soil sample collected at 3 feet below grade from boring RB3 at a concentration of 0.12 mg/kg. Screening levels have not been established for 4-isopropyl toluene in the soil. VOCs were not detected above the method detection limit in any of the other analyzed soil samples. Results for VOCs in soil samples are summarized on Table 1.



PCBs

As summarized on Table 1, PCBs were not detected above the method detection limit in the 5 analyzed soil samples.

Groundwater

Groundwater samples were collected from borings HP2 through HP5. Groundwater was not encountered in boring HP1. The groundwater sample collected from HP3 exhibited a sheen and slight hydrocarbon odor. A summary of the groundwater analytical results are included on Table 4. The groundwater laboratory analytical report is included in Appendix B.

Full Range TPH

As summarized on Table 4, Full Range TPH was detected in the 4 groundwater samples at concentrations ranging from 57 µg/L to 3,300 µg/L. Full Range TPH detected in groundwater sample HP3 exceeds the EHS IL of 1,000 µg/L.

The following describes the breakdown of the aggregate TPH concentrations to TPHg, TPHd, and TPHo.

TPHg

TPHg was not detected above the method detection limit in any of the groundwater samples. It should be noted that groundwater samples HP3 and HP4 reported an elevated method detection limit of 200 µg/L, due to sample dilutions. The EHS IL for TPHg in groundwater is 1,000 µg/L.

TPHd

TPHd was detected in 3 of the 4 groundwater samples at concentrations ranging from 81 µg/L to 1,300 µg/L. TPHd detected in groundwater sample HP3 exceeds the EHS IL of 1,000 µg/L.

TPHo

TPHo was detected in the 4 groundwater samples at concentrations ranging from 57 µg/L to 2,000 µg/L. TPHo detected in groundwater sample HP3 exceeds the EHS IL of 1,000 µg/L.

VOCs

As summarized on Table 4, the VOCs benzene, t-butyl alcohol (TBA), toluene, and trichloroethene (TCE) were detected in the groundwater samples. Benzene was detected in groundwater sample HP5 at a concentration of 1.0 µg/L, equal to the MCL of 1 µg/L. TBA does not have an established MCL. VOCs were not detected above method detection limits in groundwater sample HP4.



Discussion

Distribution of Contaminants in Soil

Metals and TPH were generally detected at concentrations exceeding EHS ILs in soil samples collected from borings advanced in the eastern half of the subject property. PAHs were detected at concentrations exceeding EHS ILs in soil samples collected from borings advanced in the northern half of the subject property.

Metals and PAH concentrations increased with depth at some locations. This could be the result of cover material over the dumped materials. It is unknown if the entire site was used for dumping or only the eastern portion of the site.

Hazardous Waste Characterization

As depicted on Figure 4, lead concentrations exceeding California (non-RCRA) Hazardous Waste Thresholds were detected in borings RB5, RB6, RB7, RB9, RB10, RB12, and HP4, advanced in the eastern half of the subject property. Boring RB6 also detected zinc at a concentration exceeding the California Hazardous Waste Threshold for zinc in soil.

Distribution of Contaminants in Groundwater

The highest contaminant concentrations detected in the groundwater consisted of TPH in the diesel and motor oil ranges and TBA in the groundwater sample collected from boring HP3. Boring HP3 was advanced between the existing locations of the pool and softball diamond in the southern portion of the site. Low concentrations of TPH were detected in the soil samples collected from HP3.

Groundwater was not encountered, and groundwater samples were not collected from borings advanced in the northeastern portion of the site in which the highest contaminant concentrations were detected in the soil.

Conclusions

Contaminants in the soil were generally detected in the eastern portion of the site. Metals and PAH concentrations increased with depth at some locations. This could be the result of cover material over the dumped materials. It is unknown if the entire site was used for dumping or only the eastern portion of the site. Constituents were not detected above screening criteria in the soil matrix samples collected from borings RB1, RB2, RB13, RB14, RB15, HP1, HP2, and HP3.

Lead was detected above California Hazardous Waste Thresholds in soil samples collected from 7 borings advanced in the eastern and southern portions of the subject property. TCLP lead was detected in the soil sample collected from boring HP4 at a concentration below the Federal Hazardous Waste Threshold of 5 mg/L. Zinc was detected above California Hazardous Waste Thresholds in the soil sample collected from boring RB6.

Elevated concentrations of TPH were detected in the groundwater sample collected at HP3. Groundwater was not encountered, and groundwater samples were not collected from borings advanced in the northeastern portion of the site in which the highest contaminant concentrations were detected in the soil.

The subject property is a public park. Structures at the site include bathrooms, a pool house and a community building. With the exception of 4-isopropyl toluene detected at a concentration of 0.12 mg/kg in soil samples RB3-3, VOCs were not detected in the analyzed soil samples. Groundwater was encountered at approximately 5 feet below grade. TBA was detected at 26 µg/L and benzene was detected at 1 µg/L in the groundwater samples. Based on the results from this assessment, there is a low risk of vapor intrusion.



Recommendations

The soil assessment was performed to evaluate whether contaminated soil management would be warranted during subsurface activities associated with the planned site improvements. PAHs, TPH, and metals were detected in the soil at concentrations exceeding EHS ILs. In our experience, EHS requires excavated soil containing constituents at concentrations exceeding EHS ILs to be properly disposed. It is recommended that a Soil Management Plan be prepared that describes the proper handling, management, and disposal of impacted soil from the site.

Prior to excavating contaminated soil from the site a permit may be required from the Santa Barbara County Air Pollution Control District (APCD). If the quantity of contaminated soil to be excavated is less than 1,000 cubic yards, an exemption from permits requirements may be applied for from the APCD. A grading permit may also be required from the City of Santa Barbara.

Constituents were not detected at concentrations exceeding EHS ILs in the analyzed soil samples collected from most of the borings advanced in the western portion of the site. The thickness of cover material at the site is unknown. The cover thickness might vary throughout the site.



Limitations

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

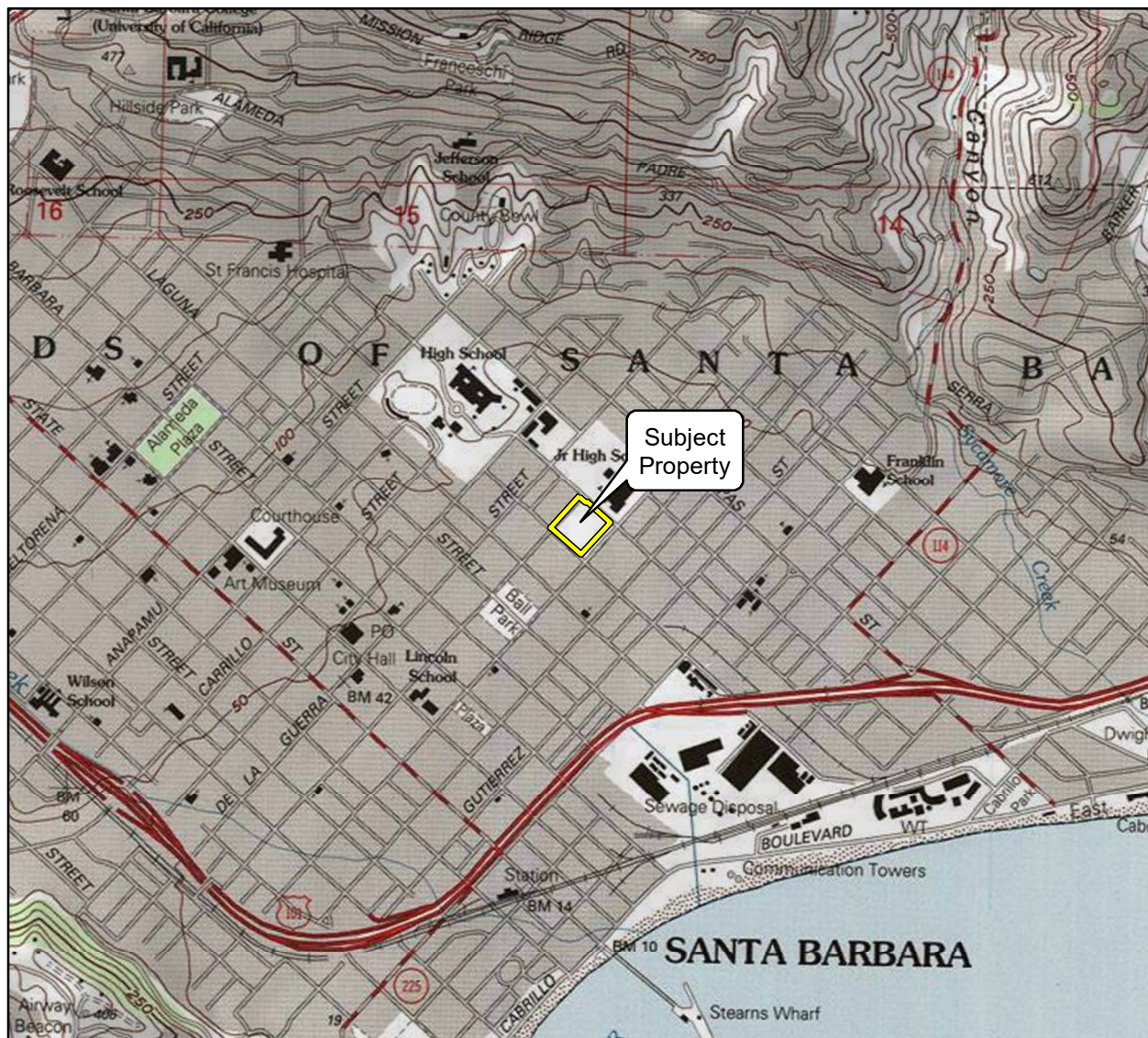
Our conclusions regarding the site are based on the results of a limited subsurface sampling program. The results of this evaluation are qualified by the fact that only limited sampling and analytical testing was conducted during this assessment.

This scope was not intended to completely establish the quantities and distribution of contaminants present at the site or to determine the cost to remediate the 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 site do not represent a warranty that all areas within the site are similar to those sampled.



Figures

Ortega Park, 604 East Ortega Street, Santa Barbara, California
Phase II Environmental Site Assessment



Imagery provided by National Geographic Society, Esri and its licensors © 2018. 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.

0 1,000 2,000
 Scale in Feet

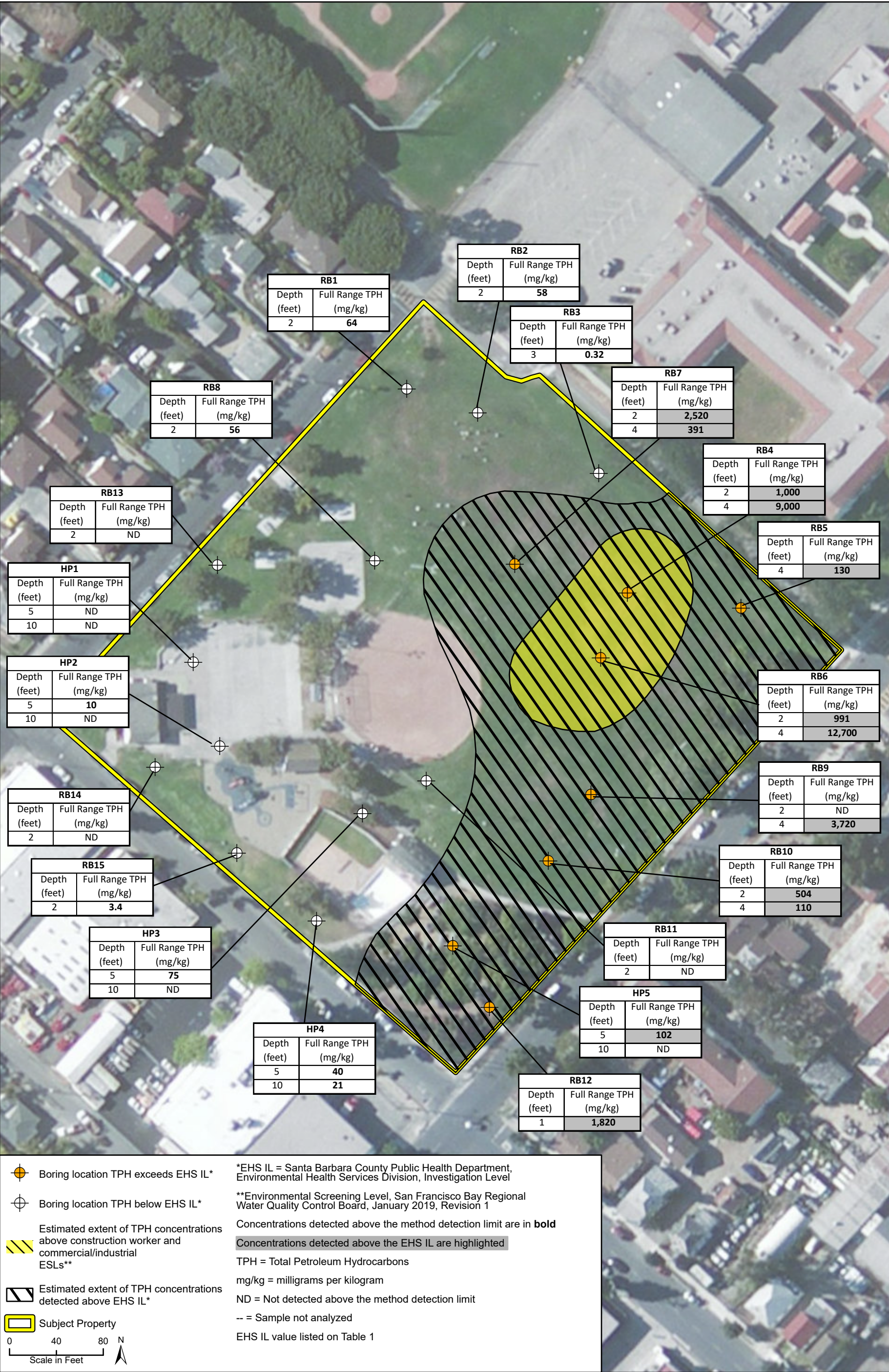


Vicinity Map

Figure 1



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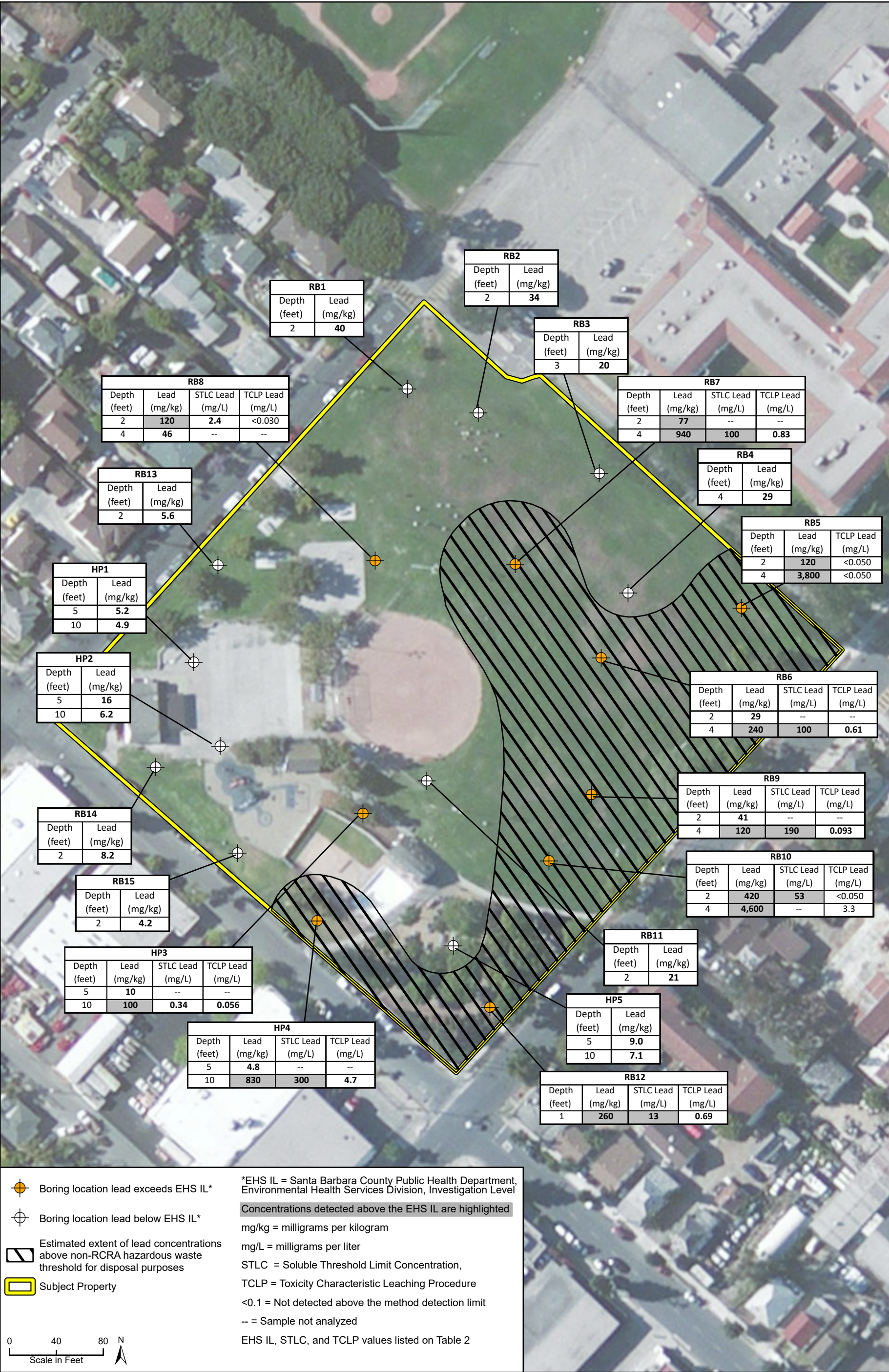


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April 16, 2019

TPH Concentrations in Soil Map

Figure 3

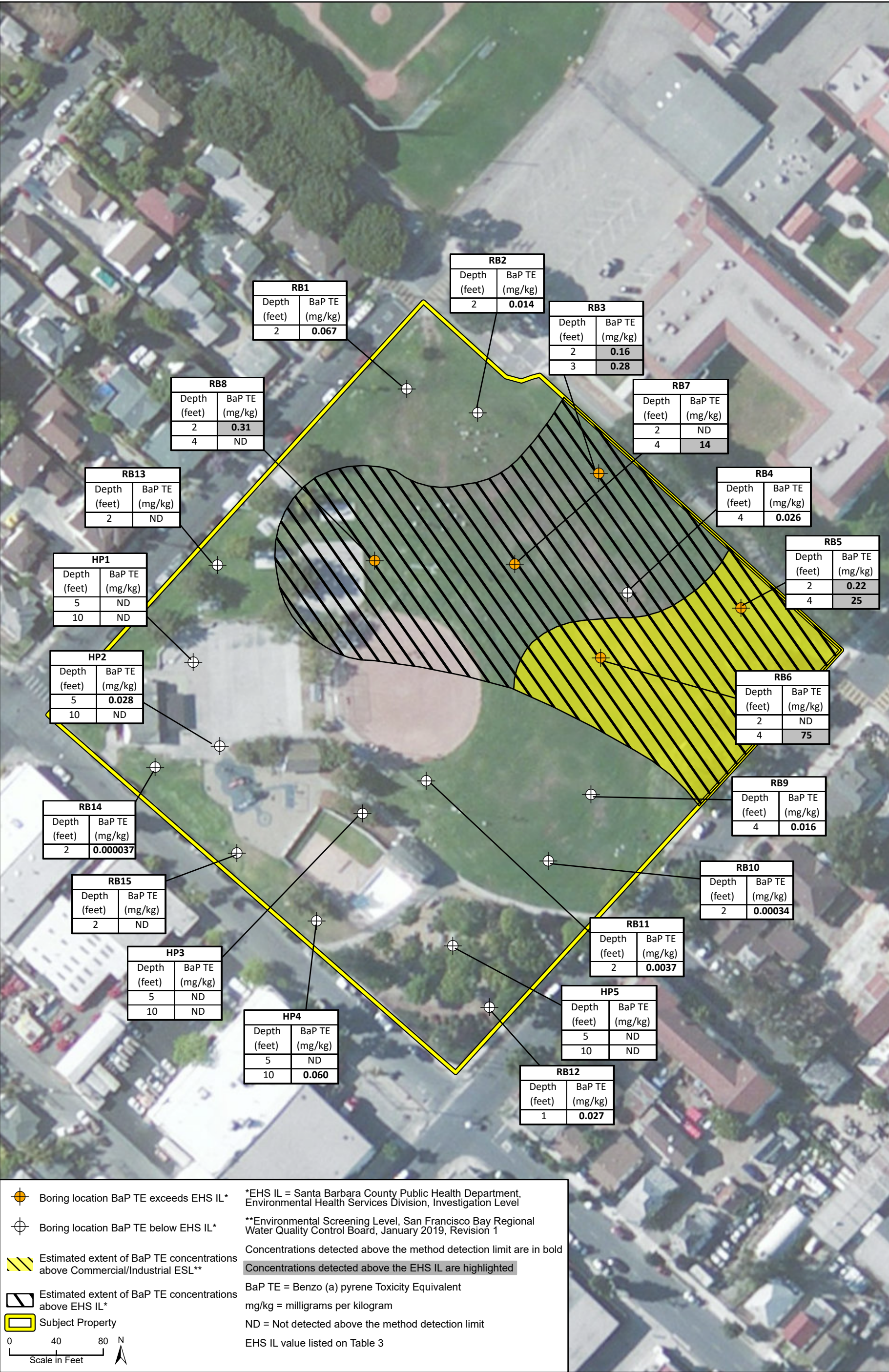


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Lead Concentrations in Soil Map

Figure 4
Rincon Consultants, Inc.



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Tables

TABLE 1
Summary of TPH, VOCs, and PCBs in Soil Matrix Samples
Ortega Park Phase II Environmental Site Assessment
604 East Ortega Street, Santa Barbara, California

Sample Location	Sample Depth (feet)	TPH				VOCs		PCBs
		TPHg (C ₄ -C ₁₂)	TPHd (C ₁₃ -C ₂₂)	TPHo (C ₂₃ -C ₄₀)	Full Range TPH	4-Isopropyl Toluene	Other VOCs	
		Results in milligrams per kilogram (mg/kg)						
RB1	2	<0.00099	<7.6	64	64	--	--	--
	4	--	--	--	--	--	--	--
RB2	2	<0.098	<7.6	58	58	--	--	--
	4	--	--	--	--	--	--	--
RB3	2	--	--	--	--	--	--	--
	3	0.32	<7.6	<40	0.32	0.12	ND	<0.010
RB4	2	<0.097	110	890	1,000	--	--	--
	4	<0.099	1,000	8,000	9,000	<0.0020	ND	<0.010
RB5	2	--	--	--	--	--	--	--
	4	<0.10	<7.5	130	130	<0.0020	ND	--
RB6	2	<0.099	31	960	991	<0.0020	ND	--
	4	<0.10	5,800	6,900	12,700	<0.0020	ND	--
RB7	2	<0.097	120	2,400	2,520	--	--	--
	4	<0.10	31	360	391	<0.0020	ND	<0.030
RB8	2	<0.098	<7.6	56	56	--	--	--
	4	--	--	--	--	--	--	--
RB9	2	<0.098	<7.6	<40	ND	--	--	--
	4	<0.10	420	3,300	3,720	<0.0020	ND	<0.010
RB10	2	<0.099	54	450	504	<0.0020	ND	--
	4	<0.099	<7.6	110	110	--	--	--
RB11	2	<0.099	<7.6	<40	ND	--	--	--
	4	--	--	--	--	--	--	--
RB12	1	<0.10	120	1,700	1,820	<0.0020	ND	<0.010
RB13	2	<0.098	<7.5	<40	ND	--	--	--
	4	--	--	--	--	--	--	--
RB14	2	<0.099	<7.6	<40	ND	--	--	--
	4	--	--	--	--	--	--	--
RB15	2	3.4	<7.6	<40	3.4	--	--	--
	4	--	--	--	--	--	--	--
HP1	5	<0.097	<7.6	<40	ND	<0.0020	ND	--
	10	--	<7.6	<40	ND	<0.0020	ND	--
HP2	5	<0.10	9.6	<40	10	--	--	--
	10	<0.096	<7.6	<40	ND	--	--	--
HP3	5	<0.097	<7.6	75	75	--	--	--
	10	<0.098	<7.5	<40	ND	--	--	--
HP4	5	<0.097	<7.6	40	40	--	--	--
	10	<0.20	21	<40	21	<0.0020	ND	--
HP5	5	<0.099	10	92	102	--	--	--
	10	<0.098	<7.6	<40	ND	--	--	--
EHS IL		100	100	100	100	--	varies	0.23
Tier 1 ESL		100	260	1,600	--	--	varies	0.23
ESL (C/I)		2,000	1,200	180,000	--	--	varies	0.94
ESL (CW)		1,800	1,100	54,000	--	--	varies	5.5

Soil samples collected by Rincon Consultants on April 16, 2019
Concentrations detected above the method detection limit are in **bold**
Concentrations detected above the EHS IL are highlighted grey
TPH = Total Petroleum Hydrocarbons
 TPHg = TPH as gasoline
 TPHd = TPH as diesel fuel
 TPHo = TPH as motor oil
VOCs = Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
EHS IL = Santa Barbara County Public Health Department, Environmental Health Services Division, Investigation Level
ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, January 2019, Rev. 1
 Tier 1 ESL = Based on a generic conceptual site model designed for use at most sites
 ESL (C/I) = Commercial/Industrial: Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1)
 ESL (CW) = Any Land Use/Any Depth Soil Exposure: Construction Worker - Direct Exposure Human Health Risk Levels (Table S-1)
mg/kg = milligrams per kilogram
<0.1 = Not detected above the method detection limit
ND = Not detected above the method detection limit
-- = Value not established
Soil samples analyzed by Oilfield Environmental and Compliance, Inc.

Analyses:
 Full Range TPH by EPA Method 8015M
 VOCs by EPA Method 8260B
 PCBs by EPA Method 8082



TABLE 2
Summary of Metals in Soil Matrix Samples
Ortega Park Phase II Environmental Site Assessment
604 East Ortega Street, Santa Barbara, California

Sample Location	Sample Depth (Feet)	Antimony	Arsenic	Barium	STLC Barium (mg/L)	Beryllium	Cadmium	Chromium	STLC Chromium (mg/L)	TCLP Chromium (mg/L)	Cobalt	Copper	Lead	STLC Lead (mg/L)	TCLP Lead (mg/L)	Mercury	STLC Mercury (mg/L)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	STLC Zinc (mg/L)
		Results in milligrams per kilogram (mg/kg) unless otherwise noted																							
RB1	2	<0.95	4.4	74	--	0.38	<0.14	22	--	--	4.3	18	40	--	--	0.078	--	0.40	19	<0.95	<0.19	1.9	27	65	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB2	2	<1.0	4.9	67	--	0.37	<0.15	22	--	--	4.4	22	34	--	--	0.079	--	0.59	18	<1.0	<0.20	1.7	25	63	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB3	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3	<0.99	10	57	--	0.31	<0.15	15	--	--	4.1	14	20	--	--	0.049	--	0.27	15	<0.99	<0.20	1.8	20	41	--
RB4	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4	<0.93	3.3	57	--	0.28	<0.14	15	--	--	4.1	11	29	--	--	0.32	--	0.59	14	<0.93	<0.19	1.6	22	90	--
RB5	2	--	--	--	--	--	--	15	--	--	--	--	120	--	<0.050	0.075	--	--	--	--	--	--	--	--	--
	4	9.9	5.0	500	--	0.25	<0.15	120	0.071	<0.025	5.7	150	3,800	--	<0.050	2.1	<0.00050	0.62	21	<0.97	<0.19	<0.48	16	1,100	--
RB6	2	--	--	--	--	--	--	--	--	--	--	--	29	--	--	--	--	--	--	--	--	--	--	39	--
	4	2.7	4.7	680	--	<0.24	3.1	20	--	--	2.9	46	240	100	0.61	0.067	--	<0.24	16	<0.96	<0.19	1.4	7.3	3,300	330
RB7	2	--	5.9	100	--	--	--	13	--	--	--	--	77	--	--	--	--	--	--	--	--	--	--	--	--
	4	5.9	20	1,200	13	<0.24	<0.14	72	0.19	--	7.1	170	940	100	0.83	0.44	--	1.9	120	<0.96	<0.19	<0.48	5.8	380	--
RB8	2	<0.93	3.2	72	--	0.27	<0.14	14	--	--	4.0	24	120	2.4	<0.030	0.15	--	<0.23	15	<0.93	<0.19	0.55	17	100	--
	4	--	--	--	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--	--	--	--	--
RB9	2	--	--	--	--	--	--	--	--	--	--	--	41	--	--	--	--	--	--	--	--	<0.49	--	--	--
	4	<0.95	4.2	640	--	0.46	<0.14	20	--	--	7.6	16	120	190	0.093	0.45	--	0.32	16	<0.95	13	2.0	26	120	--
RB10	2	2.1	3.7	260	--	0.28	<0.15	40	--	--	5.1	42	420	53	<0.050	1.3	--	0.46	14	<0.99	0.65	1.1	19	630	--
	4	--	--	--	--	--	--	--	--	--	--	--	4,600	--	3.3	--	--	--	--	--	--	--	--	--	--
RB11	2	<0.98	3.4	74	--	0.26	0.19	19	--	--	3.2	12	21	--	--	0.065	--	1.4	16	<0.98	<0.20	2.0	31	51	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.47	--	--	--	--
RB12	1	<0.99	4.7	150	--	0.28	1.8	17	--	--	5.6	54	260	13	0.69	0.47	--	<0.25	19	<0.99	<0.20	0.61	20	630	--
RB13	2	<0.95	3.7	96	--	0.53	<0.14	23	--	--	3.0	12	5.6	--	--	0.034	--	<0.24	19	<0.95	<0.19	0.95	31	33	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB14	2	<0.92	4.9	53	--	0.32	<0.14	22	--	--	4.1	7.5	8.2	--	--	0.024	--	2.2	23	<0.92	<0.18	2.1	21	31	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.48	--	--	--	--
RB15	2	<0.97	3.9	25	--	0.29	<0.15	18	--	--	3.8	5.9	4.2	--	--	0.013	--	1.3	20	<0.97	<0.19	1.7	19	24	--
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HP1	5	<0.93	2.8	96	--	0.44	<0.14	12	--	--	6.4	6.1	5.2	--	--	0.0099	--	<0.23	12	<0.93	<0.19	<0.46	22	11	--
	10	<0.92	2.0	57	--	0.31	<0.14	11	--	--	2.5	6.3	4.9	--	--	<0.010	--	<0.23	8.2	<0.92	<0.18	<0.46	17	18	--
HP2	5	<0.95	2.4	95	--	0.42	<0.14	14	--	--	7.2	12	16	--	--	0.29	--	<0.24	14	<0.95	<0.19	0.76	22	32	--
	10	<1.0	5.2	44	--	0.50	<0.15	15	--	--	3.9	9.5	6.2	--	--	<0.010	--	0.64	19	<1.0	<0.20	1.0	23	31	--
HP3	5	<0.97	2.5	61	--	0.40	<0.15	13	--	--	5.4	8.4	10	--	--	0.028	--	<0.24	11	<0.97	<0.19	1.0	21	23	--
	10	<0.97	5.5	130	--	0.72	<0.15	25	--	--	6.4	23	100	0.34	0.056	0.17	--	<0.24	17	<0.97	<0.19	0.65	38	360	--
HP4	5	<0.99	4.1	36	--	0.27	<0.15	18	--	--	3.5	5.7	4.8	--	--	0.017	--	1.4	19	<0.99	<0.20	1.9	18	25	--
	10	1.2	3.9	360	--	0.29	<0.14	20	--	--	3.7	79	830	300	4.7	0.66	--	<0.23	15	<0.93	1.9	0.46	18	1,200	--
HP5	5	<0.93	3.2	130	--	0.51	<0.14	28	--	--	6.8	17	9.0	--	--	0.014	--	<0.23	33	<0.93	<0.19	2.8	34	200	--
	10	1.1	5.3	170	--	0.67	<0.14	44	--	--	8.7	20	7.1	--	--	0.016	--	<0.23	50	<0.91	<0.18	2.7	38	59	--
Background Concentration		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	
EHS IL		11	11	1,000		7.5	10	50			23	250	50			2		390	200	10	50	2	240	2,500	
Tier 1		11	0.067	390		5.0	1.9	16			23	18	32			13		6.9	86	2.4	25	0.78	18	34	
ESLs (C/I)		160	0.31	220,000		230	1,100	1,800,000			350	47,000	320			190		5,800	11,000	5,800	5,800	12	5,800	350,000	
ESL (CW)		50	0.98	3,000		27	5,100	53,000			28	14,000	160			44		1,800	86	1,700	1,800	3.5	470	110,000	
TTLC		500	500	10,000		75	100	2,500			8,000	2,500	1,000			20		3,500	2,000	100	500	700	2,400	5,000	
STLC (mg/L)		15	5	100		0.75	1	5			80	25	5			0.2		350	20	1	5	7	24	250	
TCLP (mg/L)		--	5	100		--	1	5			--	--	5			0.2		--	--	1	5	--	--	--	

Soil samples collected by Rincon Consultants on April 16, 2019

Concentrations detected above the method detection limit are in **bold**

Concentrations detected above EHS ILs are highlighted grey

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

EHS IL = Santa Barbara County Public Health Department, Environmental Health Services Division, Investigation Level

ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, January 2019, Rev. 1

Tier 1 ESL = Based on a generic conceptual site model designed for use at most sites

ESL (C/I) = Commercial/Industrial: Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1)

ESL (CW) = Any Land Use/Any Depth Soil Exposure: Construction Worker - Direct Exposure Human Health Risk Levels (Table S-1)

TTLC = Total Threshold Limit Concentration, California Code of Regulations, Title 22, Chapter 11, Article 3

STLC = Soluble Threshold Limit Concentration, California Code of Regulations, Title 22, Chapter 11, Article 3

TCLP = Toxicity characteristic leaching procedure, USEPA

mg/L = milligrams per liter

mg/kg = milligrams per kilogram

<0.1 = Not detected above the method detection limit

-- = Sample not analyzed or value not established

Soil samples analyzed by Oilfield Environmental and Compliance, Inc.

Analyses:

CAM17 Metals by EPA Method 6010B/7471A

TABLE 3
Summary of PAHs in Soil Matrix Samples
Ortega Park Phase II Environmental Site Assessment
604 East Ortega Street, Santa Barbara, California

Sample Location	Sample Depth (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benz (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Benzo (g,h,i) perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene Toxicity Equivalent Concentration
		Results in milligrams per kilogram (mg/kg)																
RB1	2	<0.0060	0.0060	<0.0060	0.020	0.031	0.032	0.059	0.072	0.029	<0.010	0.062	<0.0060	0.023	<0.010	0.023	0.14	0.067
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB2	2	<0.0060	0.0067	<0.0060	0.0080	0.0093	0.013	0.012	<0.010	0.013	<0.010	0.017	<0.0060	<0.0060	0.039	0.015	0.020	0.014
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB3	2	<0.030	<0.030	<0.030	0.050	0.097	0.077	0.14	0.21	0.067	<0.050	0.15	<0.030	0.063	<0.050	0.067	0.31	0.16
	3	0.042	<0.0030	0.096	0.22	0.23	0.19	0.21	0.060	0.26	0.014	0.480	0.040	0.063	0.018	0.39	0.40	0.28
RB4	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4	<0.012	<0.012	<0.012	<0.012	0.015	0.015	0.024	0.032	0.016	<0.020	0.031	<0.012	<0.012	<0.020	0.016	0.059	0.026
RB5	2	<0.012	0.020	0.012	0.051	0.11	0.088	0.19	0.28	0.077	<0.020	0.20	<0.012	0.083	<0.020	0.061	0.41	0.22
	4	<0.060	1.3	0.73	2.9	6.5	4.4	22	67	4.2	0.14	18	0.11	15	0.23	3.5	61	25
RB6	2	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.040	<0.024	<0.040	<0.024	<0.024	<0.024	<0.040	<0.024	<0.024	ND
	4	0.90	25	24	36	30	39	59	47	51	5.2	130	11	40	42	200	150	75
RB7	2	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<1.0	<0.60	<1.0	<0.60	<0.60	<0.60	<1.0	<0.60	<0.60	ND
	4	0.92	0.91	0.85	1.7	3.8	2.6	12	42	2.4	0.11	11	0.21	8.5	0.23	4.6	31	14
RB8	2	<0.024	0.027	0.027	0.045	0.13	0.053	0.27	0.65	0.064	<0.040	0.39	<0.024	0.17	<0.040	0.15	0.81	0.31
	4	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	0.0030	<0.0030	<0.0030	<0.0050	<0.0030	0.0076	ND
RB9	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4	<0.0030	<0.0030	0.0030	0.010	<0.0030	<0.0030	0.014	0.011	0.012	<0.0050	0.017	<0.0030	0.0050	<0.0050	0.0090	0.021	0.016
RB10	2	<0.0030	<0.0030	<0.0030	<0.0030	0.0033	<0.0030	<0.0030	<0.0050	0.0083	<0.0050	0.0033	<0.0030	<0.0030	<0.0050	0.0040	0.0040	0.00034
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB11	2	<0.0030	<0.0030	<0.0030	<0.0030	0.0040	<0.0030	0.0033	<0.0050	<0.0030	<0.0050	0.0067	<0.0030	<0.0030	<0.0050	0.0043	0.0077	0.0037
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB12	1	<0.0060	0.0080	<0.0060	0.013	<0.0060	<0.0060	0.024	0.057	0.025	<0.010	0.033	<0.0060	0.014	<0.010	0.011	0.047	0.027
RB13	2	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB14	2	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0037	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	0.000037
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB15	2	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HP1	5	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
	10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
HP2	5	<0.0033	0.0033	<0.0030	0.013	<0.0030	<0.0030	0.026	0.024	0.020	<0.0050	0.012	<0.0030	0.010	<0.0050	0.012	0.040	0.028
	10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
HP3	5	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.010	<0.0060	<0.010	0.0060	<0.0060	<0.0060	<0.010	<0.0060	0.0060	ND
	10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
HP4	5	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
	10	<0.018	<0.018	<0.018	0.042	0.054	<0.018	0.050	0.044	0.078	<0.030	0.034	<0.018	<0.018	<0.030	0.020	0.064	0.060
HP5	5	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
	10	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0050	<0.0030	<0.0030	<0.0030	<0.0050	<0.0030	<0.0030	ND
Benzo (a) pyrene TEF		--	--	--	0.1	0.1	0.01	1	--	0.001	1	--	--	0.1	--*	--	--	--
EHS IL		12	6.4	1.9	0.63	1.1	2.8	0.11	2.5	2.2	0.11	0.69	6.0	0.48	0.042	7.8	45	0.11
Tier 1 ESL		12	6.4	1.9	0.63	1.1	2.8	0.11	2.5	2.2	0.11	0.69	6.0	0.48	0.042	7.8	45	0.11
ESL (C/I)		45,000	--	230,000	20	21	210	20	--	2,100	2.1	30,000	30,000	21	17	--	23,000	20
ESL (CW)		10,000	--	50,000	11	11	910	110	--	9,100	11	6,700	6,700	110	400	--	5,000	110

Soil samples collected by Rincon Consultants on April 16, 2019
Concentrations detected above the method detection limit are in **bold**
Concentrations detected above the EHS IL are **highlighted**
PAHs = Polycyclic Aromatic Hydrocarbons
Benzo (a) pyrene TEF = Relative Potency Factor values for carcinogenic PAHs (excluding naphthalene*), United States Environmental Protection Agency
*Naphthalene is evaluated separately from other carcinogenic PAHs, no TEF is listed
EHS IL = Santa Barbara County Public Health Department, Environmental Health Services Division, Investigation Level
ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, January 2019, Rev. 1
Tier 1 ESL = Based on a generic conceptual site model designed for use at most sites
ESL (C/I) = Commercial/Industrial: Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1)
ESL (CW) = Any Land Use/Any Depth Soil Exposure: Construction Worker - Direct Exposure Human Health Risk Levels (Table S-1)
mg/kg = milligrams per kilogram
<0.1 = Not detected above the method detection limit
-- = Value not established
Soil samples analyzed by Oilfield Environmental and Compliance, Inc.

Analyses:
PAHs by EPA Method 8270

TABLE 4
Summary of TPH and VOCs in Groundwater Samples

Ortega Park Phase II Environmental Site Assessment
604 East Ortega Street, Santa Barbara, California

Sample Location	TPH				VOCs				
	TPHg (C ₄ -C ₁₂)	TPHd (C ₁₃ -C ₂₂)	TPHo (C ₂₃ -C ₄₀)	Full Range TPH	Benzene	t-Butyl Alcohol	Toluene	Trichloroethene (TCE)	Other VOCs
	Results in micrograms per liter (µg/L)								
HP2	<20	<44	57	57	<0.25	<2.5	<0.25	0.31	ND
HP3	<200	1,300	2,000	3,300	<2.5	26	<2.5	<2.5	ND
HP4	<200	170	520	690	<2.5	<25	<2.5	<2.5	ND
HP5	<20	81	170	251	1.0	<2.5	0.36	<2.5	ND
<i>EHS IL</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1</i>	--	<i>150</i>	<i>5</i>	<i>varies</i>
<i>MCL</i>	--	--	--	--	<i>1</i>	--	<i>150</i>	<i>5</i>	<i>varies</i>

Soil samples collected by Rincon Consultants on April 16, 2019

Concentrations detected above the method detection limit are in **bold**

Concentrations detected above EHS ILs are **highlighted**

TPH = Total Petroleum Hydrocarbons

TPHg = TPH as gasoline

TPHd = TPH as diesel fuel

TPHo = TPH as motor oil

VOCs = Volatile Organic Compounds

EHS IL = Santa Barbara County Public Health Department, Environmental Health Services Division, Investigation Level

MCL = Maximum Contaminant Levels for drinking water established by the California Department of Public Health, March 2018

<0.1, ND = Not detected above the method detection limit

-- = Sample not analyzed or value not established

Soil samples analyzed by Oilfield Environmental and Compliance, Inc.

Analyses:

TPHd and TPHo by EPA Method 8015M

VOCs including TPHg by EPA Method 8260B



Appendix A

Boring Logs

LOG OF BORING HP1

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.425142, -119.690793


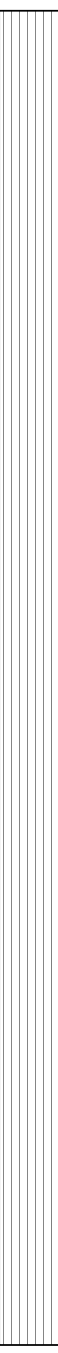

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2					
3					
4					
5	■	SC		Silty clayey SAND, dark brown to black, moist, loose to moderately dense, slightly plastic, medium grained sand, poorly graded, no odor.	0.0
6					
7					
8					
9					
10	■			Light brown.	0.0

LOG OF BORING HP2

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.424946, -119.690714

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Clayey SILT with some sand, red to dark brown, moist, soft, slightly plastic, no odor, brick and building debris from 0 to 5 below grade.	
1					
2					
3					
4					
5		ML		Saturated.	0.0
6					
7					
8					
9					
10				Light brown.	0.0

LOG OF BORING HP3

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.424794, -119.690307

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Silty clayey SAND, dark brown, wet, loose to moderately dense, slightly plastic, medium to coars grained sand, moderately graded, no odor.	
1					
2					
3					
4					
5	■	SC		Saturated.	0.0
6					
7					
8					
9					
10	■			Dark grey, organic odor.	0.0

LOG OF BORING HP4

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.424541, -119.690432


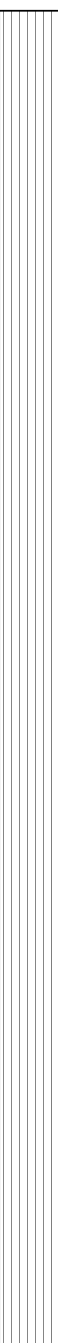

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Silty clayey SAND, light brown, wet, loose to moderately dense, slightly plastic, medium grained sand, poorly graded, no odor.	
1					
2					
3					
4					
5	■	SC		Saturated.	0.0
6					
7					
8					
9					
10	■	ML		Clayey SILT with occasional sand, dark brown to black, wet, soft, slightly plastic to plastic, no odor.	0.0

LOG OF BORING HP5

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.424487, -119.690045

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy clayey SILT, dark brown, very moist to wet, soft, slightly plastic, no odor.	
1					
2					
3					
4					
5		ML		Saturated.	0.0
6					
7					
8					
9					
10					0.0


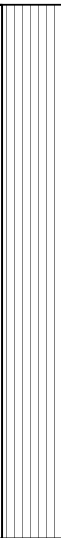
LOG OF BORING RB1

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.425792, -119.690202

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Clayey silty SAND, light brown, moist, loose to moderately dense, slightly plastic, medium grained sand, poorly graded, no odor.	
1					
2		SM			0.0
3					
4					0.0
5					
6					
7					
8					
9					
10					

<div>rincon</div> <div>Rincon Consultants, Inc.</div> <div>Environmental Scientists Planners Engineers</div> <div>www.rinconconsultants.com</div>				<div>LOG OF BORING RB2</div> <div>(Page 1 of 1)</div>	
<div>Ortega Park</div> <div>Phase II Environmental Site Assessment</div> <div>604 East Ortega Street</div> <div>Santa Barbara, California</div> <div>Project # 18-06506</div>				<div>Date Completed : April 16, 2019</div> <div>Method : Geoprobe</div> <div>Drilled By : OEC</div> <div>Logged By : Nico Navarro</div> <div>Location : 34.425738, -119.690000</div>	
Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy clayey SILT, dark brown, slightly moist, soft, slightly plastic, no odor.	0.0
1					
2		ML		Less sand, light/dark brown mix.	0.0
3					
4					
5					
6					
7					
8					
9					
10					

LOG OF BORING RB3

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.425601, -119.689655

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2		ML		Clayey SILT with some sand, medium brown, moist, soft, slightly plastic, no odor.	4.0
3					
4				Sandy clayey SILT, dark brown, moist, soft, slightly plastic, no odor.	10.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB4

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.425323, -119.689568


Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2		ML		Sandy clayey SILT, medium brown, moist, soft, slightly plastic, no odor.	0.0
3					
4				Dark brown/black mix, metal debris.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB5

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.425291, -119.689246

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2	■	SM		Clayey silty SAND, medium brown, moist, loose to moderately dense, slightly plastic, medium grained sand, poorly graded, no odor.	0.0
3					
4	■			Light brown/black mix.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB6

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.425169, -119.68964

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2	■	SC	■	Silty clayey SAND, dark brown, moist, loose to moderately dense, slightly plastic, fine to medium grained sand, moderately graded, no odor.	0.0
3					
4	■			Dark brown/black/light grey mix, glass and other debris.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB7

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.425385, -119.689888

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Clayey silty SAND, light/dark brown mix, moist, soft, slightly plastic, medium grained sand, poorly graded, no odor, unknown shards and debris.	
1					
2		SM			0.0
3					
4				Dark brown.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB8

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.425388, -119.690285

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Clayey silty SAND, dark brown, moist, loose to moderately dense, slightly plastic, medium to coarse grained sand, moderately graded, no odor.	
1					
2		SM			0.0
3					
4				Grey/brown mix.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB9

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.424848, -119.689661

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2	SC	SC		Silty clayey SAND, medium brown, moist, loose to moderately dense, slightly plastic, medium grained sand, poorly graded, no odor.	0.0
3					
4				Black/red/brown mix, possible brick/building debris.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB10

(Page 1 of 1)

Ortega Park Phase II Environmental Site Assessment 604 East Ortega Street Santa Barbara, California Project # 18-06506	Date Completed : April 16, 2019 Method : Geoprobe Drilled By : OEC Logged By : Nico Navarro Location : 34.424690, -119.689779
--	---

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2		ML		Clayey SILT with some sand, dark brown, moist, soft, slightly plastic to plastic, no odor, glass debris.	0.0
3					
4				Black, no debris.	0.0
5					
6					
7					
8					
9					
10					


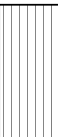
LOG OF BORING RB11

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.424873, -119.690128

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2	■	SC	■	Silty clayey SAND, dark brown, moist, loose to moderately dense, slightly plastic, medium to coarse grained sand, moderately graded, no odor, debris.	0.0
3					
4	■			Light brown, possible fill material.	0.0
5					
6					
7					
8					
9					
10					

 Rincon Consultants, Inc. Environmental Scientists Planners Engineers www.rinconconsultants.com				<h1>LOG OF BORING RB12</h1> <p>(Page 1 of 1)</p>	
Ortega Park Phase II Environmental Site Assessment 604 East Ortega Street Santa Barbara, California Project # 18-06506				Date Completed : April 16, 2019 Method : Hand Auger Drilled By : Rincon Logged By : Cody Wilgus Location : 34.424344, -119.689939	
Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0		ML		Clayey SILT, medium brown, dry to slightly moist, slightly plastic, no odor, abundant glass, metal, and wood debris starting at 8 inches below grade.	0.0
1				Refusal at 1 foot below grade.	
2					
3					
4					
5					
6					
7					
8					
9					
10					

LOG OF BORING RB13

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Geoprobe
Drilled By : OEC
Logged By : Nico Navarro
Location : 34.425371, -119.690729

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Silty clayey SAND, medium brown/red mix, moist, loose to moderately dense, slightly plastic, medium to coarse grained sand, moderately graded, no odor.	
1					
2	■	SC	■		0.0
3					
4	■		■		0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB14

(Page 1 of 1)

Ortega Park
 Phase II Environmental Site Assessment
 604 East Ortega Street
 Santa Barbara, California
 Project # 18-06506

Date Completed : April 16, 2019
 Method : Geoprobe
 Drilled By : OEC
 Logged By : Nico Navarro
 Location : 34.424895, -119.690896

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0					
1					
2	CL			Silty CLAY with some sand, medium brown, wet, soft, slightly plastic to plastic, no odor.	0.0
3					
4				Grey-brown.	0.0
5					
6					
7					
8					
9					
10					

LOG OF BORING RB15

(Page 1 of 1)

Ortega Park
Phase II Environmental Site Assessment
604 East Ortega Street
Santa Barbara, California
Project # 18-06506

Date Completed : April 16, 2019
Method : Hand Auger
Drilled By : Rincon
Logged By : Nico Navarro
Location : 34.424696, -119.690661

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Clayey SILT with some sand, light brown, moist, soft, slightly plastic to plastic, no odor.	
1					
2		ML			0.0
3					
4				Medium brown.	0.0
5					
6					
7					
8					
9					
10					

Appendix B

Laboratory Analytical Reports



Oilfield Environmental & Compliance, Inc.

Nico Navarro
Rincon Consultants
180 N. Ashwood Ave.
Ventura, CA 93003

Report: May 31, 2019 12:54

Work Order: 1901966

Project: Ortega Park
Number: 18-06506/604 E. Ortega St., Santa Barbara, CA

Dear Client:

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on April 17, 2019 07:55 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Alyssa Zuniga, Project Manager

azuniga@oecusa.com



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

SAMPLE SUMMARY

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
RB1-2	1901966-01	Solid	Solid	04/16/19 08:30	04/17/19 07:55
RB2-2	1901966-03	Solid	Solid	04/16/19 09:00	04/17/19 07:55
RB3-2	1901966-05	Solid	Solid	04/16/19 09:10	04/17/19 07:55
RB3-4	1901966-06	Solid	Solid	04/16/19 09:10	04/17/19 07:55
RB7-2	1901966-07	Solid	Solid	04/16/19 09:25	04/17/19 07:55
RB7-4	1901966-08	Solid	Solid	04/16/19 09:25	04/17/19 07:55
RB4-2	1901966-09	Solid	Solid	04/16/19 09:45	04/17/19 07:55
RB4-4	1901966-10	Solid	Solid	04/16/19 09:45	04/17/19 07:55
RB6-2	1901966-11	Solid	Solid	04/16/19 09:50	04/17/19 07:55
RB6-4	1901966-12	Solid	Solid	04/16/19 09:50	04/17/19 07:55
RB5-2	1901966-13	Solid	Solid	04/16/19 10:00	04/17/19 07:55
RB5-4	1901966-14	Solid	Solid	04/16/19 10:00	04/17/19 07:55
RB9-2	1901966-15	Solid	Solid	04/16/19 10:20	04/17/19 07:55
RB9-4	1901966-16	Solid	Solid	04/16/19 10:20	04/17/19 07:55
RB10-2	1901966-17	Solid	Solid	04/16/19 10:30	04/17/19 07:55
RB10-4	1901966-18	Solid	Solid	04/16/19 10:30	04/17/19 07:55
HP4-5	1901966-19	Solid	Solid	04/16/19 13:45	04/17/19 07:55
HP4-10	1901966-20	Solid	Solid	04/16/19 13:50	04/17/19 07:55
RB15-2	1901966-21	Solid	Solid	04/16/19 14:10	04/17/19 07:55
RB14-2	1901966-23	Solid	Solid	04/16/19 14:20	04/17/19 07:55
RB14-4	1901966-24	Solid	Solid	04/16/19 14:20	04/17/19 07:55
HP5-5	1901966-25	Solid	Solid	04/16/19 10:45	04/17/19 07:55
HP5-10	1901966-26	Solid	Solid	04/16/19 10:50	04/17/19 07:55
RB11-2	1901966-27	Solid	Solid	04/16/19 11:50	04/17/19 07:55
RB11-4	1901966-28	Solid	Solid	04/16/19 11:50	04/17/19 07:55
HP3-5	1901966-29	Solid	Solid	04/16/19 12:20	04/17/19 07:55

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

SAMPLE SUMMARY

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
HP3-10	1901966-30	Solid	Solid	04/16/19 12:25	04/17/19 07:55
HP2-5	1901966-31	Solid	Solid	04/16/19 14:35	04/17/19 07:55
HP2-10	1901966-32	Solid	Solid	04/16/19 14:40	04/17/19 07:55
HP1-5	1901966-33	Solid	Solid	04/16/19 14:50	04/17/19 07:55
HP1-10	1901966-34	Solid	Solid	04/16/19 14:55	04/17/19 07:55
RB13-2	1901966-35	Solid	Solid	04/16/19 15:10	04/17/19 07:55
RB8-2	1901966-37	Solid	Solid	04/16/19 15:25	04/17/19 07:55
RB8-4	1901966-38	Solid	Solid	04/16/19 15:25	04/17/19 07:55
RB12-1	1901966-39	Solid	Solid	04/16/19 15:18	04/17/19 07:55

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Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

ANALYTICAL REPORT FOR SAMPLES 1901966-01 (Solid) RB1-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.079	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.4	1.9	"	"	"	"	"	"	
Barium	74	0.95	"	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	22	0.47	"	"	"	"	"	"	
Cobalt	4.3	0.47	"	"	"	"	"	"	
Copper	18	0.95	"	"	"	"	"	"	
Lead	40	0.47	"	"	"	"	"	"	
Molybdenum	ND	0.47	"	"	"	"	"	"	
Nickel	19	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	"	
Thallium	1.9	0.95	"	"	"	"	"	"	
Vanadium	27	0.95	"	"	"	"	"	"	
Zinc	65	0.95	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.0050	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		69.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	64	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		91.2 %	(67 - 134)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-01 (Solid)

RB1-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-05

Acenaphthene	ND	0.010	mg/kg	2	B9D0605	04/22/19	04/26/19	EPA 8270-SIM	
Acenaphthylene	ND	0.010	"	"	"	"	"	"	
Anthracene	ND	0.010	"	"	"	"	"	"	
Benz (a) anthracene	0.020	0.010	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.031	0.010	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	0.032	0.010	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.059	0.010	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	0.072	0.020	"	"	"	"	"	"	ISlowA
Chrysene	0.029	0.010	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	
Fluoranthene	0.062	0.010	"	"	"	"	"	"	
Fluorene	ND	0.010	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.023	0.010	"	"	"	"	"	"	ISlowA
Naphthalene	ND	0.020	"	"	"	"	"	"	
Phenanthrene	0.023	0.010	"	"	"	"	"	"	
Pyrene	0.14	0.010	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		102 %	(13 - 180)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-03 (Solid)

RB2-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.095	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.9	2.0	"	"	"	"	"	"	
Barium	67	1.0	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	22	0.50	"	"	"	"	"	"	
Cobalt	4.4	0.50	"	"	"	"	"	"	
Copper	22	1.0	"	"	"	"	"	"	
Lead	34	0.50	"	"	"	"	"	"	
Molybdenum	0.59	0.50	"	"	"	"	"	"	
Nickel	18	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	"	
Thallium	1.7	1.0	"	"	"	"	"	"	
Vanadium	25	1.0	"	"	"	"	"	"	
Zinc	63	1.0	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		78.4 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	58	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		93.9 %	(67 - 134)		"	"	"	"	

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Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-03 (Solid)

RB2-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-05

Acenaphthene	ND	0.010	mg/kg	2	B9D0605	04/22/19	04/26/19	EPA 8270-SIM	
Acenaphthylene	ND	0.010	"	"	"	"	"	"	
Anthracene	ND	0.010	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.010	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.010	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	0.013	0.010	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.012	0.010	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	ND	0.020	"	"	"	"	"	"	
Chrysene	0.013	0.010	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	
Fluoranthene	0.017	0.010	"	"	"	"	"	"	
Fluorene	ND	0.010	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.010	"	"	"	"	"	"	
Naphthalene	0.039	0.020	"	"	"	"	"	"	
Phenanthrene	0.015	0.010	"	"	"	"	"	"	
Pyrene	0.020	0.010	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		105 %	(13 - 180)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-05 (Solid)

RB3-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring									R-01
Acenaphthene	ND	0.050	mg/kg	5	B9D0848	04/30/19	05/02/19	EPA 8270-SIM	
Acenaphthylene	ND	0.050	"	"	"	"	"	"	
Anthracene	ND	0.050	"	"	"	"	"	"	
Benz (a) anthracene	0.050	0.050	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.097	0.050	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	0.077	0.050	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.14	0.050	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	0.21	0.10	"	"	"	"	"	"	ISlowA
Chrysene	0.067	0.050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.15	0.050	"	"	"	"	"	"	
Fluorene	ND	0.050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.063	0.050	"	"	"	"	"	"	ISlowA
Naphthalene	ND	0.10	"	"	"	"	"	"	
Phenanthrene	0.067	0.050	"	"	"	"	"	"	
Pyrene	0.31	0.050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		100 %	(13 - 180)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-06 (Solid)

RB3-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.089	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	10	2.0	"	"	"	"	"	"	
Barium	57	0.99	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	15	0.50	"	"	"	"	"	"	
Cobalt	4.1	0.50	"	"	"	"	"	"	
Copper	14	0.99	"	"	"	"	"	"	
Lead	20	0.50	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	15	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	"	
Thallium	1.8	0.99	"	"	"	"	"	"	
Vanadium	20	0.99	"	"	"	"	"	"	
Zinc	41	0.99	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.0 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/18/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		100 %	(67 - 134)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-06 (Solid)

RB3-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-06 (Solid)

RB3-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Ethanol	ND	4.0	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	0.12	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.0 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	(78 - 118)		"	"	"	"	

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Ventura CA, 93003

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-06 (Solid)

RB3-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by GC/ECD

C-01

PCB-1016	ND	0.020	mg/kg	1	B9D0538	04/18/19	04/19/19	EPA 8082	
PCB-1221	ND	0.020	"	"	"	"	"	"	
PCB-1232	ND	0.020	"	"	"	"	"	"	
PCB-1242	ND	0.020	"	"	"	"	"	"	
PCB-1248	ND	0.020	"	"	"	"	"	"	
PCB-1254	ND	0.020	"	"	"	"	"	"	
PCB-1260	ND	0.020	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		81.6 %	(10 - 163)		"	"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene		55.8 %	(10 - 150)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	0.042	0.025	mg/kg	5	B9D0605	04/22/19	04/25/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	1	"	"	04/24/19	"	
Anthracene	0.096	0.025	"	5	"	"	04/25/19	"	
Benz (a) anthracene	0.22	0.025	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.23	0.025	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.19	0.025	"	"	"	"	"	"	
Benzo (a) pyrene	0.21	0.025	"	"	"	"	"	"	
Benzo (g,h,i) perylene	0.060	0.050	"	"	"	"	"	"	
Chrysene	0.26	0.025	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.014	0.010	"	1	"	"	04/24/19	"	ISlowA
Fluoranthene	0.48	0.025	"	5	"	"	04/25/19	"	
Fluorene	0.040	0.025	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.063	0.025	"	"	"	"	"	"	
Naphthalene	0.018	0.010	"	1	"	"	04/24/19	"	
Phenanthrene	0.39	0.025	"	5	"	"	04/25/19	"	
Pyrene	0.40	0.025	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		125 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-07 (Solid)

RB7-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Arsenic	5.9	1.9	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
Barium	100	0.96	"	"	"	"	"	"	
Chromium	13	0.48	"	"	"	"	"	"	
Lead	77	0.48	"	"	"	"	"	"	N-02

Volatile Organic TPH by GC/FID

HT-03

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9E0113	05/03/19	05/04/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		87.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

HT-04

TPH Diesel (C13-C22)	120	20	mg/kg	2	B9E0073	05/02/19	05/03/19	EPA 8015M	
TPH Motor Oil (C23-C40)	2400	99	"	"	"	"	"	"	
Surrogate: o-Terphenyl		96.5 %	(67 - 134)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	1.0	mg/kg	50	B9D0848	04/30/19	05/02/19	EPA 8270-SIM	
Acenaphthylene	ND	1.0	"	"	"	"	"	"	
Anthracene	ND	1.0	"	"	"	"	"	"	
Benz (a) anthracene	ND	1.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	2.0	"	"	"	"	"	"	
Chrysene	ND	1.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	2.0	"	"	"	"	"	"	
Fluoranthene	ND	1.0	"	"	"	"	"	"	
Fluorene	ND	1.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
Phenanthrene	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	1.0	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		%	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-08 (Solid)

RB7-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.44	0.084	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	5.9	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	20	1.9	"	"	"	"	"	"	
Barium	1200	0.96	"	"	"	"	"	"	N-02
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	72	0.48	"	"	"	"	"	"	N-02
Cobalt	7.1	0.48	"	"	"	"	"	"	
Copper	170	0.96	"	"	"	"	"	"	
Lead	940	0.48	"	"	"	"	"	"	N-02, N-03
Molybdenum	1.9	0.48	"	"	"	"	"	"	
Nickel	120	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	ND	0.96	"	"	"	"	"	"	
Vanadium	5.8	0.96	"	"	"	"	"	"	
Zinc	380	0.96	"	"	"	"	"	"	

STLC Metals by ICP

Barium	13	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	QB-01
Chromium	0.19	0.050	"	"	"	"	"	"	
Lead	100	0.050	"	"	"	"	"	"	N-07

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05/31/2019 12:54

1901966-08 (Solid)

RB7-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TCLP Metals by ICP

Lead	0.83	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		80.6 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	31	20	mg/kg	2	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	360	100	"	"	"	"	"	"	
Surrogate: o-Terphenyl		98.7 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	

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1901966
05/31/2019 12:54

1901966-08 (Solid)

RB7-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

1,1-Dichloroethane	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

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05/31/2019 12:54

1901966-08 (Solid)

RB7-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Surrogate: Dibromofluoromethane	94.7 %	(73 - 132)			B9D0564	04/19/19	04/19/19	EPA 8260B	
Surrogate: Toluene-d8	98.9 %	(70 - 126)			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	(78 - 118)			"	"	"	"	

Polychlorinated Biphenyls by GC/ECD

C-01, C-06

PCB-1016	ND	0.060	mg/kg	1	B9D0538	04/18/19	04/19/19	EPA 8082	
PCB-1221	ND	0.060	"	"	"	"	"	"	
PCB-1232	ND	0.060	"	"	"	"	"	"	
PCB-1242	ND	0.060	"	"	"	"	"	"	
PCB-1248	ND	0.060	"	"	"	"	"	"	
PCB-1254	ND	0.060	"	"	"	"	"	"	
PCB-1260	ND	0.060	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl	53.3 %	(10 - 163)			"	"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	42.3 %	(10 - 150)			"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	0.92	0.20	mg/kg	20	B9D0605	04/22/19	04/25/19	EPA 8270-SIM	
Acenaphthylene	0.91	0.20	"	"	"	"	"	"	
Anthracene	0.85	0.20	"	"	"	"	"	"	
Benz (a) anthracene	1.7	0.20	"	"	"	"	"	"	
Benzo (b) fluoranthene	3.8	0.20	"	"	"	"	"	"	
Benzo (k) fluoranthene	2.6	0.20	"	"	"	"	"	"	
Benzo (a) pyrene	12	1.0	"	100	"	"	04/25/19	"	
Benzo (g,h,i) perylene	42	4.0	"	200	"	"	04/26/19	"	
Chrysene	2.4	0.20	"	20	"	"	04/25/19	"	
Dibenz (a,h) anthracene	0.11	0.10	"	5	"	"	04/24/19	"	ISlowA
Fluoranthene	11	1.0	"	100	"	"	04/25/19	"	
Fluorene	0.21	0.20	"	20	"	"	04/25/19	"	
Indeno (1,2,3-cd) pyrene	8.5	1.0	"	100	"	"	04/25/19	"	
Naphthalene	0.23	0.10	"	5	"	"	04/24/19	"	ISlowA
Phenanthrene	4.6	1.0	"	100	"	"	04/25/19	"	
Pyrene	31	2.0	"	200	"	"	04/26/19	"	
Surrogate: p-Terphenyl-d14		100 %	(13 - 180)		"	"	04/25/19	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-09 (Solid)

RB4-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

HT-03

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9E0113	05/03/19	05/04/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		96.2 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

HT-04

TPH Diesel (C13-C22)	110	9.9	mg/kg	1	B9E0073	05/02/19	05/07/19	EPA 8015M	
TPH Motor Oil (C23-C40)	890	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		88.2 %	(67 - 134)		"	"	"	"	

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05/31/2019 12:54

1901966-10 (Solid) RB4-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.32	0.099	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.3	1.9	"	"	"	"	"	"	
Barium	57	0.93	"	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	15	0.47	"	"	"	"	"	"	
Cobalt	4.1	0.47	"	"	"	"	"	"	
Copper	11	0.93	"	"	"	"	"	"	
Lead	29	0.47	"	"	"	"	"	"	
Molybdenum	0.59	0.47	"	"	"	"	"	"	
Nickel	14	0.23	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	"	
Thallium	1.6	0.93	"	"	"	"	"	"	
Vanadium	22	0.93	"	"	"	"	"	"	
Zinc	90	0.93	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0618	04/22/19	04/22/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		32.8 %	(36 - 163)		"	"	"	"	S-LOW

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	1000	100	mg/kg	10	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	8000	500	"	"	"	"	"	"	
Surrogate: o-Terphenyl		73.3 %	(67 - 134)		"	"	"	"	

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1901966
05/31/2019 12:54

1901966-10 (Solid)

RB4-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	

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05/31/2019 12:54

1901966-10 (Solid)

RB4-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Ethanol	ND	4.0	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.1 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		97.5 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	(78 - 118)		"	"	"	"	

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1901966
05/31/2019 12:54

1901966-10 (Solid) RB4-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by GC/ECD

C-01, C-06

PCB-1016	ND	0.020	mg/kg	1	B9D0538	04/18/19	04/19/19	EPA 8082	
PCB-1221	ND	0.020	"	"	"	"	"	"	
PCB-1232	ND	0.020	"	"	"	"	"	"	
PCB-1242	ND	0.020	"	"	"	"	"	"	
PCB-1248	ND	0.020	"	"	"	"	"	"	
PCB-1254	ND	0.020	"	"	"	"	"	"	
PCB-1260	ND	0.020	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		138 %	(10 - 163)		"	"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene		101 %	(10 - 150)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	0.020	mg/kg	2	B9D0605	04/22/19	04/26/19	EPA 8270-SIM	
Acenaphthylene	ND	0.020	"	"	"	"	"	"	
Anthracene	ND	0.020	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.020	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.024	0.020	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	ND	0.040	"	"	"	"	"	"	ISlowA
Chrysene	ND	0.020	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.040	"	"	"	"	"	"	
Fluoranthene	0.031	0.020	"	"	"	"	"	"	
Fluorene	ND	0.020	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	"	
Naphthalene	ND	0.040	"	"	"	"	"	"	
Phenanthrene	ND	0.020	"	"	"	"	"	"	
Pyrene	0.059	0.020	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		120 %	(13 - 180)		"	"	"	"	

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05/31/2019 12:54

1901966-11 (Solid)

RB6-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Lead	29	0.50	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
Zinc	39	0.99	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

HT-03

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9E0113	05/03/19	05/04/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		89.7 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

HT-04

TPH Diesel (C13-C22)	31	10	mg/kg	1	B9E0073	05/02/19	05/07/19	EPA 8015M	
TPH Motor Oil (C23-C40)	960	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		80.5 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

HT-03

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9E0098	05/03/19	05/03/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.099	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	

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05/31/2019 12:54

1901966-11 (Solid)

RB6-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

HT-03

1,1-Dichloroethane	ND	0.0050	mg/kg	1	B9E0098	05/03/19	05/03/19	EPA 8260B	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-11 (Solid)

RB6-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

HT-03

Surrogate: Dibromofluoromethane	104 %	(73 - 132)			B9E0098	05/03/19	05/03/19	EPA 8260B	
Surrogate: Toluene-d8	97.4 %	(70 - 126)			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %	(78 - 118)			"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	0.040	mg/kg	4	B9D0848	04/30/19	05/02/19	EPA 8270-SIM	
Acenaphthylene	ND	0.040	"	"	"	"	"	"	
Anthracene	ND	0.040	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.040	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.040	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.040	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.040	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.080	"	"	"	"	"	"	
Chrysene	ND	0.040	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.080	"	"	"	"	"	"	
Fluoranthene	ND	0.040	"	"	"	"	"	"	
Fluorene	ND	0.040	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.040	"	"	"	"	"	"	
Naphthalene	ND	0.080	"	"	"	"	"	"	
Phenanthrene	ND	0.040	"	"	"	"	"	"	
Pyrene	ND	0.040	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	100 %	(13 - 180)			"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-12 (Solid)

RB6-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.10	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	2.7	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.7	1.9	"	"	"	"	"	"	
Barium	680	0.96	"	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	3.1	0.24	"	"	"	"	"	"	
Chromium	20	0.48	"	"	"	"	"	"	
Cobalt	2.9	0.48	"	"	"	"	"	"	
Copper	46	0.96	"	"	"	"	"	"	
Lead	240	0.48	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.48	"	"	"	"	"	"	
Nickel	16	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	1.4	0.96	"	"	"	"	"	"	
Vanadium	7.3	0.96	"	"	"	"	"	"	
Zinc	3300	0.96	"	"	"	"	"	"	N-02

STLC Metals by ICP

Lead	100	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	N-07
Zinc	330	0.25	"	"	"	"	"	"	B-02n, N-07

TCLP Metals by ICP

Lead	0.61	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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05/31/2019 12:54

1901966-12 (Solid)

RB6-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0618	04/22/19	04/22/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		76.5 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	5800	400	mg/kg	40	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	6900	2000	"	"	"	"	"	"	
Surrogate: o-Terphenyl		83.4 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-12 (Solid)

RB6-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

cis-1,2-Dichloroethene	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	0.056	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.5 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.7 %	(78 - 118)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-12 (Solid)

RB6-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	0.90	0.10	mg/kg	10	B9D0605	04/22/19	04/24/19	EPA 8270-SIM
Acenaphthylene	25	2.0	"	200	"	"	04/25/19	"
Anthracene	24	2.0	"	"	"	"	"	"
Benz (a) anthracene	36	2.0	"	"	"	"	"	"
Benzo (b) fluoranthene	30	2.0	"	"	"	"	"	"
Benzo (k) fluoranthene	39	2.0	"	"	"	"	"	"
Benzo (a) pyrene	59	4.0	"	400	"	"	04/25/19	"
Benzo (g,h,i) perylene	47	8.0	"	"	"	"	"	"
Chrysene	51	4.0	"	"	"	"	"	"
Dibenz (a,h) anthracene	5.2	4.0	"	200	"	"	04/25/19	"
Fluoranthene	130	16	"	1600	"	"	04/25/19	"
Fluorene	11	2.0	"	200	"	"	04/25/19	"
Indeno (1,2,3-cd) pyrene	40	2.0	"	"	"	"	"	"
Naphthalene	42	4.0	"	"	"	"	"	"
Phenanthrene	200	16	"	1600	"	"	04/25/19	"
Pyrene	150	16	"	"	"	"	"	"
Surrogate: p-Terphenyl-d14		150 %	(13 - 180)		"	"	04/24/19	"

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Ventura CA, 93003

Project: Ortega Park
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-13 (Solid)

RB5-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.095	mg/kg	1	B9E0123	05/06/19	05/06/19	EPA 7471A	
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Total Metals by ICP

Chromium	15	0.46	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
Lead	120	0.46	"	"	"	"	"	"	N-02, N-03

TCLP Metals by ICP

Lead	ND	0.050	mg/L	1	B9E0807	05/28/19	05/28/19	EPA 1311/EPA 6010B	
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	0.020	mg/kg	2	B9D0848	04/30/19	05/02/19	EPA 8270-SIM	
Acenaphthylene	0.020	0.020	"	"	"	"	"	"	
Anthracene	ND	0.020	"	"	"	"	"	"	
Benz (a) anthracene	0.051	0.040	"	4	"	"	05/02/19	"	
Benzo (b) fluoranthene	0.11	0.040	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	0.088	0.040	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.19	0.040	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	0.28	0.080	"	"	"	"	"	"	ISlowA
Chrysene	0.077	0.040	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.040	"	2	"	"	05/02/19	"	
Fluoranthene	0.20	0.020	"	"	"	"	"	"	
Fluorene	ND	0.020	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.083	0.040	"	4	"	"	05/02/19	"	ISlowA
Naphthalene	ND	0.040	"	2	"	"	05/02/19	"	
Phenanthrene	0.061	0.020	"	"	"	"	"	"	
Pyrene	0.41	0.020	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.040	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.040	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		95.0 %	(13 - 180)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-14 (Solid)

RB5-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	2.1	0.81	mg/kg	10	B9D0688	04/24/19	04/24/19	EPA 7471A	N-02
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Total Metals by ICP

Antimony	9.9	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	5.0	1.9	"	"	"	"	"	"	
Barium	500	0.97	"	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	120	0.48	"	"	"	"	"	"	N-02, N-03
Cobalt	5.7	0.48	"	"	"	"	"	"	
Copper	150	0.97	"	"	"	"	"	"	
Lead	3800	0.48	"	"	"	"	"	"	N-01, N-03
Molybdenum	0.62	0.48	"	"	"	"	"	"	
Nickel	21	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	"	
Vanadium	16	0.97	"	"	"	"	"	"	
Zinc	1100	0.97	"	"	"	"	"	"	

STLC Metals by CVAA

Mercury	ND	0.0010	mg/L	1	B9E0176	05/07/19	05/07/19	STLC/EPA 7470A	
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STLC Metals by ICP

Chromium	0.071	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	
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1901966-14 (Solid)

RB5-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TCLP Metals by ICP

Chromium	ND	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
Lead	ND	0.050	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		70.3 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	130	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		91.8 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.099	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-14 (Solid)

RB5-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Dichlorodifluoromethane	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-14 (Solid)

RB5-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Xylenes (total)	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Surrogate: Dibromofluoromethane		84.4 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	(78 - 118)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	0.10	mg/kg	10	B9D0605	04/22/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	1.3	0.50	"	50	"	"	04/26/19	"	
Anthracene	0.73	0.50	"	"	"	"	"	"	
Benz (a) anthracene	2.9	0.50	"	"	"	"	"	"	
Benzo (b) fluoranthene	6.5	0.50	"	"	"	"	"	"	
Benzo (k) fluoranthene	4.4	0.50	"	"	"	"	"	"	
Benzo (a) pyrene	22	2.0	"	200	"	"	04/25/19	"	
Benzo (g,h,i) perylene	67	16	"	800	"	"	04/25/19	"	
Chrysene	4.2	0.50	"	50	"	"	04/26/19	"	
Dibenz (a,h) anthracene	ND	0.20	"	10	"	"	04/24/19	"	ISlowA
Fluoranthene	18	2.0	"	200	"	"	04/25/19	"	
Fluorene	0.11	0.10	"	10	"	"	04/24/19	"	ISlowA
Indeno (1,2,3-cd) pyrene	15	2.0	"	200	"	"	04/25/19	"	
Naphthalene	0.23	0.20	"	10	"	"	04/24/19	"	ISlowA
Phenanthrene	3.5	0.50	"	50	"	"	04/26/19	"	
Pyrene	61	8.0	"	800	"	"	04/25/19	"	
Surrogate: p-Terphenyl-d14		125 %	(13 - 180)		"	"	04/26/19	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-15 (Solid)

RB9-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Lead	41	0.49	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
Thallium	ND	0.98	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

HT-03

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9E0113	05/03/19	05/04/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		88.3 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

HT-04

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9E0073	05/02/19	05/03/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		102 %	(67 - 134)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-16 (Solid)

RB9-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.45	0.085	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.2	1.9	"	"	"	"	"	"	
Barium	640	0.95	"	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	20	0.47	"	"	"	"	"	"	
Cobalt	7.6	0.47	"	"	"	"	"	"	
Copper	16	0.95	"	"	"	"	"	"	
Lead	120	0.47	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.47	"	"	"	"	"	"	
Nickel	16	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	13	0.47	"	"	"	"	"	"	
Thallium	2.0	0.95	"	"	"	"	"	"	
Vanadium	26	0.95	"	"	"	"	"	"	
Zinc	120	0.95	"	"	"	"	"	"	

STLC Metals by ICP

Lead	190	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	N-07
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TCLP Metals by ICP

Lead	0.093	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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05/31/2019 12:54

1901966-16 (Solid)

RB9-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		77.4 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	420	100	mg/kg	10	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	3300	500	"	"	"	"	"	"	
Surrogate: o-Terphenyl		91.2 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0049	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0049	"	"	"	"	"	"	
Bromobenzene	ND	0.0049	"	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.099	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-16 (Solid)

RB9-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

cis-1,2-Dichloroethene	ND	0.0049	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0049	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0049	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0049	"	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		99.4 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.1 %	(78 - 118)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-16 (Solid)

RB9-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by GC/ECD

C-01, C-06

PCB-1016	ND	0.020	mg/kg	1	B9D0538	04/18/19	04/19/19	EPA 8082	
PCB-1221	ND	0.020	"	"	"	"	"	"	
PCB-1232	ND	0.020	"	"	"	"	"	"	
PCB-1242	ND	0.020	"	"	"	"	"	"	
PCB-1248	ND	0.020	"	"	"	"	"	"	
PCB-1254	ND	0.020	"	"	"	"	"	"	
PCB-1260	ND	0.020	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		118 %	(10 - 163)		"	"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene		90.5 %	(10 - 150)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0605	04/22/19	04/26/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	0.010	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	0.014	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	0.011	0.010	"	"	"	"	"	"	
Chrysene	0.012	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.017	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0050	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	0.0090	0.0050	"	"	"	"	"	"	
Pyrene	0.021	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		104 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-17 (Solid) RB10-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	1.3	0.095	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.7	2.0	"	"	"	"	"	"	
Barium	260	0.99	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	40	0.49	"	"	"	"	"	"	
Cobalt	5.1	0.49	"	"	"	"	"	"	
Copper	42	0.99	"	"	"	"	"	"	
Lead	420	0.49	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.49	"	"	"	"	"	"	
Nickel	14	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	0.65	0.49	"	"	"	"	"	"	
Thallium	1.1	0.99	"	"	"	"	"	"	
Vanadium	19	0.99	"	"	"	"	"	"	
Zinc	630	0.99	"	"	"	"	"	"	

STLC Metals by ICP

Lead	53	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	N-07
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TCLP Metals by ICP

Lead	ND	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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05/31/2019 12:54

1901966-17 (Solid) RB10-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		60.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	54	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	450	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		117 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	

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Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-17 (Solid) RB10-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

cis-1,2-Dichloroethene	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		95.9 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.7 %	(78 - 118)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-17 (Solid) RB10-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0605	04/22/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	0.0083	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		78.7 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
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1901966-18 (Solid)

RB10-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Lead	4600	4.9	mg/kg	10	B9E0122	05/06/19	05/07/19	EPA 6010B	N-01, N-03
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TCLP Metals by ICP

Lead	3.3	0.050	mg/L	1	B9E0807	05/28/19	05/28/19	EPA 1311/EPA 6010B	
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Volatile Organic TPH by GC/FID

HT-03

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9E0113	05/03/19	05/04/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		61.9 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

HT-04

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9E0073	05/02/19	05/03/19	EPA 8015M	
TPH Motor Oil (C23-C40)	110	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		104 %	(67 - 134)		"	"	"	"	

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05/31/2019 12:54

1901966-19 (Solid) HP4-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.078	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.1	2.0	"	"	"	"	"	"	
Barium	36	0.99	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	18	0.49	"	"	"	"	"	"	
Cobalt	3.5	0.49	"	"	"	"	"	"	
Copper	5.7	0.99	"	"	"	"	"	"	
Lead	4.8	0.49	"	"	"	"	"	"	
Molybdenum	1.4	0.49	"	"	"	"	"	"	
Nickel	19	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	1.9	0.99	"	"	"	"	"	"	
Vanadium	18	0.99	"	"	"	"	"	"	
Zinc	25	0.99	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	B9D0596	04/19/19	04/19/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		80.9 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		95.3 %	(67 - 134)		"	"	"	"	

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Ventura CA, 93003

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-19 (Solid) HP4-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0605	04/22/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		93.7 %	(13 - 180)		"	"	"	"	

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Ventura CA, 93003

Project: Ortega Park
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-20 (Solid) HP4-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.66	0.077	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.9	1.9	"	"	"	"	"	"	
Barium	360	0.93	"	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	20	0.46	"	"	"	"	"	"	
Cobalt	3.7	0.46	"	"	"	"	"	"	
Copper	79	0.93	"	"	"	"	"	"	
Lead	830	0.46	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.46	"	"	"	"	"	"	
Nickel	15	0.23	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	1.9	0.46	"	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	"	
Vanadium	18	0.93	"	"	"	"	"	"	
Zinc	1200	0.93	"	"	"	"	"	"	

STLC Metals by ICP

Lead	300	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	N-07
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TCLP Metals by ICP

Lead	4.7	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-20 (Solid) HP4-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.98	mg/kg	1	B9D0618	04/22/19	04/22/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		77.5 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	21	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		98.4 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.099	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	

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05/31/2019 12:54

1901966-20 (Solid) HP4-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

cis-1,2-Dichloroethene	ND	0.0050	mg/kg	1	B9D0564	04/19/19	04/19/19	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.4 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		95.4 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	(78 - 118)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-20 (Solid) HP4-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring									R-01
Acenaphthene	ND	0.030	mg/kg	2	B9D0605	04/22/19	04/26/19	EPA 8270-SIM	
Acenaphthylene	ND	0.030	"	"	"	"	"	"	
Anthracene	ND	0.030	"	"	"	"	"	"	
Benz (a) anthracene	0.042	0.030	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.054	0.030	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	ND	0.030	"	"	"	"	"	"	
Benzo (a) pyrene	0.050	0.030	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	ND	0.060	"	"	"	"	"	"	ISlowA
Chrysene	0.078	0.030	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.060	"	"	"	"	"	"	
Fluoranthene	0.034	0.030	"	"	"	"	"	"	
Fluorene	ND	0.030	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.030	"	"	"	"	"	"	
Naphthalene	ND	0.060	"	"	"	"	"	"	
Phenanthrene	ND	0.030	"	"	"	"	"	"	
Pyrene	0.064	0.030	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		120 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-21 (Solid) RB15-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.094	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.9	1.9	"	"	"	"	"	"	
Barium	25	0.97	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	18	0.49	"	"	"	"	"	"	
Cobalt	3.8	0.49	"	"	"	"	"	"	
Copper	5.9	0.97	"	"	"	"	"	"	
Lead	4.2	0.49	"	"	"	"	"	"	
Molybdenum	1.3	0.49	"	"	"	"	"	"	
Nickel	20	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	1.7	0.97	"	"	"	"	"	"	
Vanadium	19	0.97	"	"	"	"	"	"	
Zinc	24	0.97	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	3.4	0.50	mg/kg	1	B9D0618	04/22/19	04/22/19	EPA 8015M	D-04
<i>Surrogate: 4-Bromofluorobenzene</i>		95.7 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		94.0 %	(67 - 134)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-21 (Solid) RB15-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0605	04/22/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		67.5 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

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1901966
05/31/2019 12:54

1901966-23 (Solid) RB14-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.076	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.9	1.8	"	"	"	"	"	"	
Barium	53	0.92	"	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	22	0.46	"	"	"	"	"	"	
Cobalt	4.1	0.46	"	"	"	"	"	"	
Copper	7.5	0.92	"	"	"	"	"	"	
Lead	8.2	0.46	"	"	"	"	"	"	
Molybdenum	2.2	0.46	"	"	"	"	"	"	
Nickel	23	0.23	"	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	"	
Thallium	2.1	0.92	"	"	"	"	"	"	
Vanadium	21	0.92	"	"	"	"	"	"	
Zinc	31	0.92	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		84.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/18/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		98.6 %	(67 - 134)		"	"	"	"	

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1901966
05/31/2019 12:54

1901966-23 (Solid)

RB14-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		90.0 %	(13 - 180)		"	"	"	"	

1901966-24 (Solid)

RB14-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Thallium	ND	0.96	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
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Ventura CA, 93003

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-25 (Solid) HP5-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.079	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.2	1.9	"	"	"	"	"	"	
Barium	130	0.93	"	"	"	"	"	"	
Beryllium	0.51	0.47	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	28	0.47	"	"	"	"	"	"	
Cobalt	6.8	0.47	"	"	"	"	"	"	
Copper	17	0.93	"	"	"	"	"	"	
Lead	9.0	0.47	"	"	"	"	"	"	
Molybdenum	ND	0.47	"	"	"	"	"	"	
Nickel	33	0.23	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	"	
Thallium	2.8	0.93	"	"	"	"	"	"	
Vanadium	34	0.93	"	"	"	"	"	"	
Zinc	200	0.93	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		88.5 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	10	9.9	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	92	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		92.0 %	(67 - 134)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-25 (Solid) HP5-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		82.5 %	(13 - 180)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-26 (Solid) HP5-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.091	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	5.3	1.8	"	"	"	"	"	"	
Barium	170	0.91	"	"	"	"	"	"	
Beryllium	0.67	0.45	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	44	0.45	"	"	"	"	"	"	
Cobalt	8.7	0.45	"	"	"	"	"	"	
Copper	20	0.91	"	"	"	"	"	"	
Lead	7.1	0.45	"	"	"	"	"	"	
Molybdenum	ND	0.45	"	"	"	"	"	"	
Nickel	50	0.23	"	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	"	
Silver	ND	0.45	"	"	"	"	"	"	
Thallium	2.7	0.91	"	"	"	"	"	"	
Vanadium	38	0.91	"	"	"	"	"	"	
Zinc	59	0.91	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.6 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/18/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		96.9 %	(67 - 134)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-26 (Solid) HP5-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		91.3 %	(13 - 180)		"	"	"	"	

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Ventura CA, 93003

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-27 (Solid) RB11-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.090	mg/kg	1	B9D0688	04/24/19	04/24/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0566	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.4	2.0	"	"	"	"	"	"	
Barium	74	0.98	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	19	0.49	"	"	"	"	"	"	
Cobalt	3.2	0.49	"	"	"	"	"	"	
Copper	12	0.98	"	"	"	"	"	"	
Lead	21	0.49	"	"	"	"	"	"	
Molybdenum	1.4	0.49	"	"	"	"	"	"	
Nickel	16	0.24	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	2.0	0.98	"	"	"	"	"	"	
Vanadium	31	0.98	"	"	"	"	"	"	
Zinc	51	0.98	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		71.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		93.8 %	(67 - 134)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-27 (Solid)

RB11-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.0067	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	0.0077	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		102 %	(13 - 180)		"	"	"	"	

1901966-28 (Solid)

RB11-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Thallium	ND	0.94	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
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Ventura CA, 93003

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1901966
05/31/2019 12:54

1901966-29 (Solid) HP3-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.092	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	2.5	1.9	"	"	"	"	"	"	
Barium	61	0.97	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	13	0.49	"	"	"	"	"	"	
Cobalt	5.4	0.49	"	"	"	"	"	"	
Copper	8.4	0.97	"	"	"	"	"	"	
Lead	10	0.49	"	"	"	"	"	"	
Molybdenum	ND	0.49	"	"	"	"	"	"	
Nickel	11	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	1.0	0.97	"	"	"	"	"	"	
Vanadium	21	0.97	"	"	"	"	"	"	
Zinc	23	0.97	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		66.8 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	75	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		94.9 %	(67 - 134)		"	"	"	"	

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Project Manager: Nico Navarro

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1901966-29 (Solid) HP3-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-05

Acenaphthene	ND	0.010	mg/kg	2	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.010	"	"	"	"	"	"	
Anthracene	ND	0.010	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.010	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.010	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.010	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.010	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.020	"	"	"	"	"	"	
Chrysene	ND	0.010	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	
Fluoranthene	ND	0.010	"	"	"	"	"	"	
Fluorene	ND	0.010	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.010	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
Phenanthrene	ND	0.010	"	"	"	"	"	"	
Pyrene	ND	0.010	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		92.5 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

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1901966
05/31/2019 12:54

1901966-30 (Solid) HP3-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.17	0.087	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	5.5	1.9	"	"	"	"	"	"	
Barium	130	0.97	"	"	"	"	"	"	
Beryllium	0.72	0.49	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	25	0.49	"	"	"	"	"	"	
Cobalt	6.4	0.49	"	"	"	"	"	"	
Copper	23	0.97	"	"	"	"	"	"	
Lead	100	0.49	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.49	"	"	"	"	"	"	
Nickel	17	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	"	
Vanadium	38	0.97	"	"	"	"	"	"	
Zinc	360	0.97	"	"	"	"	"	"	

STLC Metals by ICP

Lead	0.34	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	
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TCLP Metals by ICP

Lead	0.056	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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WO & Reported:
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05/31/2019 12:54

1901966-30 (Solid) HP3-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		90.0 %	(67 - 134)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		116 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-31 (Solid) HP2-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.29	0.087	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	2.4	1.9	"	"	"	"	"	"	
Barium	95	0.95	"	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	14	0.48	"	"	"	"	"	"	
Cobalt	7.2	0.48	"	"	"	"	"	"	
Copper	12	0.95	"	"	"	"	"	"	
Lead	16	0.48	"	"	"	"	"	"	
Molybdenum	ND	0.48	"	"	"	"	"	"	
Nickel	14	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	ND	0.95	"	"	"	"	"	"	
Vanadium	22	0.95	"	"	"	"	"	"	
Zinc	32	0.95	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		68.7 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		95.0 %	(67 - 134)		"	"	"	"	

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1901966
05/31/2019 12:54

1901966-31 (Solid)

HP2-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/25/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	0.013	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	0.026	0.0050	"	"	"	"	"	"	ISlowA
Benzo (g,h,i) perylene	0.024	0.010	"	"	"	"	"	"	ISlowA
Chrysene	0.020	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.012	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.010	0.0050	"	"	"	"	"	"	ISlowA
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	0.012	0.0050	"	"	"	"	"	"	
Pyrene	0.040	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		88.8 %	(13 - 180)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-32 (Solid) HP2-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.095	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	5.2	2.0	"	"	"	"	"	"	
Barium	44	1.0	"	"	"	"	"	"	
Beryllium	0.50	0.50	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	15	0.50	"	"	"	"	"	"	
Cobalt	3.9	0.50	"	"	"	"	"	"	
Copper	9.5	1.0	"	"	"	"	"	"	
Lead	6.2	0.50	"	"	"	"	"	"	
Molybdenum	0.64	0.50	"	"	"	"	"	"	
Nickel	19	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	"	
Thallium	1.0	1.0	"	"	"	"	"	"	
Vanadium	23	1.0	"	"	"	"	"	"	
Zinc	31	1.0	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		85.2 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0534	04/18/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		93.2 %	(67 - 134)		"	"	"	"	

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05/31/2019 12:54

1901966-32 (Solid) HP2-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		96.3 %	(13 - 180)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-33 (Solid)

HP1-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.081	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	2.8	1.9	"	"	"	"	"	"	
Barium	96	0.93	"	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	12	0.46	"	"	"	"	"	"	
Cobalt	6.4	0.46	"	"	"	"	"	"	
Copper	6.1	0.93	"	"	"	"	"	"	
Lead	5.2	0.46	"	"	"	"	"	"	
Molybdenum	ND	0.46	"	"	"	"	"	"	
Nickel	12	0.23	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	"	
Vanadium	22	0.93	"	"	"	"	"	"	
Zinc	11	0.93	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.5 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0549	04/19/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		96.3 %	(67 - 134)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-33 (Solid)

HP1-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-33 (Solid)

HP1-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Ethanol	ND	4.0	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		102 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %	(78 - 118)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-33 (Solid)

HP1-5

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		114 %	(13 - 180)		"	"	"	"	

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-34 (Solid)

HP1-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.097	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	2.0	1.8	"	"	"	"	"	"	
Barium	57	0.92	"	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	11	0.46	"	"	"	"	"	"	
Cobalt	2.5	0.46	"	"	"	"	"	"	
Copper	6.3	0.92	"	"	"	"	"	"	
Lead	4.9	0.46	"	"	"	"	"	"	
Molybdenum	ND	0.46	"	"	"	"	"	"	
Nickel	8.2	0.23	"	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	"	
Thallium	ND	0.92	"	"	"	"	"	"	
Vanadium	17	0.92	"	"	"	"	"	"	
Zinc	18	0.92	"	"	"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0549	04/19/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		95.0 %	(67 - 134)		"	"	"	"	

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05/31/2019 12:54

1901966-34 (Solid)

HP1-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.099	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-34 (Solid)

HP1-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

Ethanol	ND	4.0	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		104 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.9 %	(78 - 118)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-34 (Solid)

HP1-10

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		111 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-35 (Solid) RB13-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	ND	0.098	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.4	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.7	1.9	"	"	"	"	"	"	
Barium	96	0.95	"	"	"	"	"	"	
Beryllium	0.53	0.47	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	23	0.47	"	"	"	"	"	"	
Cobalt	3.0	0.47	"	"	"	"	"	"	
Copper	12	0.95	"	"	"	"	"	"	
Lead	5.6	0.47	"	"	"	"	"	"	
Molybdenum	ND	0.47	"	"	"	"	"	"	
Nickel	19	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	"	
Thallium	0.95	0.95	"	"	"	"	"	"	
Vanadium	31	0.95	"	"	"	"	"	"	
Zinc	33	0.95	"	"	"	"	"	"	

Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.1 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B9D0549	04/18/19	04/18/19	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		100 %	(67 - 134)		"	"	"	"	

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-35 (Solid) RB13-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		139 %	(13 - 180)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-37 (Solid) RB8-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.15	0.091	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.3	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	3.2	1.9	"	"	"	"	"	"	
Barium	72	0.93	"	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	"	
Chromium	14	0.46	"	"	"	"	"	"	
Cobalt	4.0	0.46	"	"	"	"	"	"	
Copper	24	0.93	"	"	"	"	"	"	
Lead	120	0.46	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.46	"	"	"	"	"	"	
Nickel	15	0.23	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	"	
Vanadium	17	0.93	"	"	"	"	"	"	
Zinc	100	0.93	"	"	"	"	"	"	

STLC Metals by ICP

Lead	2.4	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	
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TCLP Metals by ICP

Lead	ND	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-37 (Solid)

RB8-2

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		84.2 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	B9D0549	04/19/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	56	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		96.6 %	(67 - 134)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

R-01

Acenaphthene	ND	0.040	mg/kg	4	B9D0665	04/23/19	04/24/19	EPA 8270-SIM	
Acenaphthylene	ND	0.040	"	"	"	"	"	"	
Anthracene	ND	0.040	"	"	"	"	"	"	
Benz (a) anthracene	0.045	0.040	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.13	0.040	"	"	"	"	"	"	ISlowA
Benzo (k) fluoranthene	0.053	0.040	"	"	"	"	"	"	ISlowA
Benzo (a) pyrene	0.27	0.080	"	8	"	"	04/25/19	"	
Benzo (g,h,i) perylene	0.65	0.16	"	"	"	"	"	"	
Chrysene	0.064	0.040	"	4	"	"	04/24/19	"	
Dibenz (a,h) anthracene	ND	0.080	"	"	"	"	"	"	
Fluoranthene	0.39	0.040	"	"	"	"	"	"	
Fluorene	ND	0.040	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.17	0.080	"	8	"	"	04/25/19	"	
Naphthalene	ND	0.080	"	4	"	"	04/24/19	"	
Phenanthrene	0.15	0.040	"	"	"	"	"	"	
Pyrene	0.81	0.080	"	8	"	"	04/25/19	"	
Surrogate: p-Terphenyl-d14		110 %	(13 - 180)		"	"	04/24/19	"	

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-38 (Solid)

RB8-4

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by ICP

Lead	46	0.48	mg/kg	1	B9E0122	05/06/19	05/07/19	EPA 6010B	
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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	B9D0848	04/30/19	05/02/19	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	0.0076	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		104 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

1901966-39 (Solid)

RB12-1

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by CVAA

Mercury	0.47	0.098	mg/kg	1	B9D0617	04/22/19	04/23/19	EPA 7471A	
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Total Metals by ICP

Antimony	ND	2.5	mg/kg	1	B9D0587	04/19/19	04/23/19	EPA 6010B	
Arsenic	4.7	2.0	"	"	"	"	"	"	
Barium	150	0.99	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	1.8	0.25	"	"	"	"	"	"	
Chromium	17	0.50	"	"	"	"	"	"	
Cobalt	5.6	0.50	"	"	"	"	"	"	
Copper	54	0.99	"	"	"	"	"	"	
Lead	260	0.50	"	"	"	"	"	"	N-02, N-03
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	19	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	"	
Thallium	ND	0.99	"	"	"	"	"	"	
Vanadium	20	0.99	"	"	"	"	"	"	
Zinc	630	0.99	"	"	"	"	"	"	

STLC Metals by ICP

Lead	13	0.050	mg/L	1	B9E0157	05/06/19	05/06/19	STLC/EPA 6010B	N-07
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TCLP Metals by ICP

Lead	0.69	0.050	mg/L	1	B9E0076	05/02/19	05/02/19	EPA 1311/EPA 6010B	
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WO & Reported:
1901966
05/31/2019 12:54

1901966-39 (Solid)

RB12-1

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic TPH by GC/FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	B9D0618	04/22/19	04/23/19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		50.2 %	(36 - 163)		"	"	"	"	

Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	120	10	mg/kg	1	B9D0549	04/19/19	04/19/19	EPA 8015M	
TPH Motor Oil (C23-C40)	1700	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		81.1 %	(67 - 134)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.0050	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Bromobenzene	ND	0.0050	"	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
t-Butyl alcohol	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	

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05/31/2019 12:54

1901966-39 (Solid)

RB12-1

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

cis-1,2-Dichloroethene	ND	0.0050	mg/kg	1	B9D0578	04/19/19	04/19/19	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	4.0	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	(73 - 132)		"	"	"	"	
Surrogate: Toluene-d8		90.7 %	(70 - 126)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.1 %	(78 - 118)		"	"	"	"	

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WO & Reported:
1901966
05/31/2019 12:54

1901966-39 (Solid)

RB12-1

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by GC/ECD

C-01, C-06

PCB-1016	ND	0.020	mg/kg	1	B9D0538	04/18/19	04/19/19	EPA 8082	
PCB-1221	ND	0.020	"	"	"	"	"	"	
PCB-1232	ND	0.020	"	"	"	"	"	"	
PCB-1242	ND	0.020	"	"	"	"	"	"	
PCB-1248	ND	0.020	"	"	"	"	"	"	
PCB-1254	ND	0.020	"	"	"	"	"	"	
PCB-1260	ND	0.020	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		117 %	(10 - 163)		"	"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene		93.6 %	(10 - 150)		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.010	mg/kg	2	B9D0665	04/23/19	04/25/19	EPA 8270-SIM	
Acenaphthylene	ND	0.010	"	"	"	"	"	"	
Anthracene	ND	0.010	"	"	"	"	"	"	
Benz (a) anthracene	0.013	0.010	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.010	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.010	"	"	"	"	"	"	
Benzo (a) pyrene	0.024	0.020	"	4	"	"	04/24/19	"	ISlowA
Benzo (g,h,i) perylene	0.057	0.040	"	"	"	"	"	"	ISlowA
Chrysene	0.025	0.010	"	2	"	"	04/25/19	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	
Fluoranthene	0.033	0.010	"	"	"	"	"	"	
Fluorene	ND	0.010	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.014	0.010	"	"	"	"	"	"	ISlowA
Naphthalene	ND	0.020	"	"	"	"	"	"	
Phenanthrene	0.011	0.010	"	"	"	"	"	"	
Pyrene	0.047	0.010	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		87.5 %	(13 - 180)		"	"	"	"	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0617 - EPA 7471A Preparation: EPA 7471A Prep 04/22/19 09:48

Blank (B9D0617-BLK1)			Analyzed: 04/23/19 12:18								
Mercury	ND	0.10	mg/kg								
LCS (B9D0617-BS1)			Analyzed: 04/23/19 12:14								
Mercury	0.847	0.10	mg/kg	0.833	102	85-115					
LCS Dup (B9D0617-BSD1)			Analyzed: 04/23/19 12:16								
Mercury	0.849	0.10	mg/kg	0.833	102	85-115	0.216	20			
Duplicate (B9D0617-DUP1)		Source: 1902029-08		Analyzed: 04/23/19 12:22							
Mercury	0.0160	0.076	mg/kg	0.0260					47.5	20	QR-04
Matrix Spike (B9D0617-MS1)		Source: 1902029-08		Analyzed: 04/23/19 12:24							
Mercury	0.703	0.082	mg/kg	0.685	0.0260	98.8	75-125				
Matrix Spike Dup (B9D0617-MSD1)		Source: 1902029-08		Analyzed: 04/23/19 12:26							
Mercury	0.881	0.096	mg/kg	0.804	0.0260	106	75-125	22.5	20	QR-02	
Post Spike (B9D0617-PS1)		Source: 1902029-08		Analyzed: 04/23/19 12:28							
Mercury	5.24		ug/L	5.00	0.202	101	85-115				

Batch B9D0688 - EPA 7471A Preparation: EPA 7471A Prep 04/24/19 09:22

Blank (B9D0688-BLK1)			Analyzed: 04/24/19 13:27							
Mercury	ND	0.10	mg/kg							
LCS (B9D0688-BS1)			Analyzed: 04/24/19 13:21							
Mercury	0.880	0.10	mg/kg	0.833	106	85-115				
LCS Dup (B9D0688-BSD1)			Analyzed: 04/24/19 13:23							
Mercury	0.965	0.10	mg/kg	0.833	116	85-115	9.14	20	QM-09	
Duplicate (B9D0688-DUP1)		Source: 1902016-01		Analyzed: 04/24/19 13:31						
Mercury	ND	0.082	mg/kg	ND						20
Matrix Spike (B9D0688-MS1)		Source: 1902016-01		Analyzed: 04/24/19 13:33						
Mercury	0.755	0.082	mg/kg	0.679	ND	111	75-125			
Matrix Spike Dup (B9D0688-MSD1)		Source: 1902016-01		Analyzed: 04/24/19 13:35						
Mercury	0.816	0.091	mg/kg	0.755	ND	108	75-125	7.86	20	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0688 - EPA 7471A Preparation: EPA 7471A Prep 04/24/19 09:22

Post Spike (B9D0688-PS1)	Source: 1902016-01	Analyzed: 04/24/19 13:37								
Mercury	5.38	ug/L	5.00	0.0468	107	85-115				

Batch B9E0123 - EPA 7471A Preparation: EPA 7471A Prep 05/06/19 08:37

Blank (B9E0123-BLK1)		Analyzed: 05/06/19 12:59								
Mercury	ND	0.10 mg/kg								
LCS (B9E0123-BS1)		Analyzed: 05/06/19 12:55								
Mercury	0.817	0.10 mg/kg	0.833		98.0	85-115				
LCS Dup (B9E0123-BSD1)		Analyzed: 05/06/19 12:57								
Mercury	0.849	0.10 mg/kg	0.833		102	85-115	3.84	20		
Duplicate (B9E0123-DUP1)	Source: 1902178-01	Analyzed: 05/06/19 13:04								
Mercury	0.0660	0.099 mg/kg	0.0676				2.43	20		
Matrix Spike (B9E0123-MS1)	Source: 1902178-01	Analyzed: 05/06/19 13:06								
Mercury	0.873	0.098 mg/kg	0.814	0.0676	98.9	75-125				
Matrix Spike Dup (B9E0123-MSD1)	Source: 1902178-01	Analyzed: 05/06/19 13:08								
Mercury	0.832	0.091 mg/kg	0.762	0.0676	100	75-125	4.90	20		
Post Spike (B9E0123-PS1)	Source: 1902178-01	Analyzed: 05/06/19 13:10								
Mercury	4.90	ug/L	5.00	0.443	89.2	85-115				

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0566 - EPA 6010B Preparation: EPA 3050B 04/19/19 09:23

Blank (B9D0566-BLK1)

Analyzed: 04/23/19 16:24

Antimony	ND	2.5	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.25	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	1.0	"							

LCS (B9D0566-BS1)

Analyzed: 04/23/19 16:27

Antimony	96.2	2.5	mg/kg	100		96.2	80-120
Arsenic	95.1	2.0	"	100		95.1	80-120
Barium	98.0	1.0	"	100		98.0	80-120
Beryllium	96.6	0.50	"	100		96.6	80-120
Cadmium	98.2	0.25	"	100		98.2	80-120
Chromium	97.1	0.50	"	100		97.1	80-120
Cobalt	99.1	0.50	"	100		99.1	80-120
Copper	99.8	1.0	"	100		99.8	80-120
Lead	99.6	0.50	"	100		99.6	80-120
Molybdenum	96.6	0.50	"	100		96.6	80-120
Nickel	98.6	0.25	"	100		98.6	80-120
Selenium	94.4	2.0	"	100		94.4	80-120
Silver	4.91	0.50	"	5.00		98.2	80-120
Thallium	98.0	1.0	"	100		98.0	80-120
Vanadium	96.3	1.0	"	100		96.3	80-120
Zinc	97.6	1.0	"	100		97.6	80-120

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0566 - EPA 6010B Preparation: EPA 3050B 04/19/19 09:23

LCS Dup (B9D0566-BSD1)

Analyzed: 04/23/19 16:29

Antimony	95.6	2.5	mg/kg	100		95.6	80-120	0.521	20	
Arsenic	95.8	2.0	"	100		95.8	80-120	0.733	20	
Barium	98.1	1.0	"	100		98.1	80-120	0.0510	20	
Beryllium	96.7	0.50	"	100		96.7	80-120	0.155	20	
Cadmium	98.0	0.25	"	100		98.0	80-120	0.255	20	
Chromium	96.2	0.50	"	100		96.2	80-120	0.879	20	
Cobalt	98.8	0.50	"	100		98.8	80-120	0.253	20	
Copper	98.9	1.0	"	100		98.9	80-120	0.906	20	
Lead	99.6	0.50	"	100		99.6	80-120	0.00	20	
Molybdenum	97.4	0.50	"	100		97.4	80-120	0.824	20	
Nickel	98.4	0.25	"	100		98.4	80-120	0.254	20	
Selenium	94.8	2.0	"	100		94.8	80-120	0.476	20	
Silver	4.85	0.50	"	5.00		97.0	80-120	1.23	20	
Thallium	98.4	1.0	"	100		98.4	80-120	0.408	20	
Vanadium	95.5	1.0	"	100		95.5	80-120	0.834	20	
Zinc	97.0	1.0	"	100		97.0	80-120	0.617	20	

Duplicate (B9D0566-DUP1)

Source: 1901964-05

Analyzed: 04/23/19 17:06

Antimony	ND	2.3	mg/kg	ND					20	
Arsenic	2.59	1.9	"	2.01				25.3	20	QR-04
Barium	17.6	0.93	"	16.5				6.60	20	
Beryllium	ND	0.46	"	ND					20	
Cadmium	1.17	0.23	"	1.32				12.6	20	
Chromium	20.7	0.46	"	22.9				10.1	20	
Cobalt	0.819	0.46	"	1.11				29.7	20	QR-04
Copper	3.19	0.93	"	3.12				2.17	20	
Lead	2.56	0.46	"	2.51				1.88	20	
Molybdenum	2.51	0.46	"	1.28				64.8	20	QR-04
Nickel	9.79	0.23	"	10.6				7.55	20	
Selenium	ND	1.9	"	ND					20	
Silver	ND	0.46	"	ND					20	
Thallium	1.58	0.93	"	1.73				9.40	20	
Vanadium	11.9	0.93	"	13.1				9.40	20	
Zinc	17.8	0.93	"	18.0				0.997	20	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0566 - EPA 6010B Preparation: EPA 3050B 04/19/19 09:23

Matrix Spike (B9D0566-MS1)

Source: 1901964-05

Analyzed: 04/23/19 16:31

Antimony	57.4	2.3	mg/kg	91.5	ND	62.7	10-103
Arsenic	89.0	1.8	"	91.5	2.01	95.1	75-122
Barium	107	0.91	"	91.5	16.5	98.9	23-186
Beryllium	87.6	0.46	"	91.5	ND	95.8	70-127
Cadmium	89.4	0.23	"	91.5	1.32	96.3	73-120
Chromium	115	0.46	"	91.5	22.9	101	47-159
Cobalt	88.5	0.46	"	91.5	1.11	95.5	67-125
Copper	93.6	0.91	"	91.5	3.12	98.9	60-147
Lead	89.9	0.46	"	91.5	2.51	95.6	57-134
Molybdenum	87.7	0.46	"	91.5	1.28	94.5	59-121
Nickel	97.7	0.23	"	91.5	10.6	95.2	40-154
Selenium	85.2	1.8	"	91.5	ND	93.1	60-125
Silver	4.32	0.46	"	4.57	ND	94.4	39-137
Thallium	85.1	0.91	"	91.5	1.73	91.1	57-126
Vanadium	103	0.91	"	91.5	13.1	97.8	67-137
Zinc	105	0.91	"	91.5	18.0	95.4	45-151

Matrix Spike Dup (B9D0566-MSD1)

Source: 1901964-05

Analyzed: 04/23/19 16:34

Antimony	61.1	2.4	mg/kg	97.8	ND	62.4	10-103	6.23	20
Arsenic	91.4	2.0	"	97.8	2.01	91.3	75-122	2.68	20
Barium	108	0.98	"	97.8	16.5	93.4	23-186	0.902	20
Beryllium	89.3	0.49	"	97.8	ND	91.3	70-127	1.91	20
Cadmium	91.6	0.24	"	97.8	1.32	92.3	73-120	2.48	20
Chromium	115	0.49	"	97.8	22.9	94.4	47-159	0.308	20
Cobalt	90.5	0.49	"	97.8	1.11	91.3	67-125	2.17	20
Copper	95.7	0.98	"	97.8	3.12	94.6	60-147	2.22	20
Lead	92.7	0.49	"	97.8	2.51	92.2	57-134	3.04	20
Molybdenum	90.5	0.49	"	97.8	1.28	91.1	59-121	3.05	20
Nickel	98.2	0.24	"	97.8	10.6	89.6	40-154	0.534	20
Selenium	88.0	2.0	"	97.8	ND	90.0	60-125	3.27	20
Silver	4.51	0.49	"	4.89	ND	92.1	39-137	4.25	20
Thallium	89.1	0.98	"	97.8	1.73	89.3	57-126	4.65	20
Vanadium	104	0.98	"	97.8	13.1	92.6	67-137	1.12	20
Zinc	107	0.98	"	97.8	18.0	90.7	45-151	1.41	20

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Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0566 - EPA 6010B Preparation: EPA 3050B 04/19/19 09:23

Post Spike (B9D0566-PS1)

Source: 1901964-05

Analyzed: 04/23/19 16:36

Antimony	1.86		mg/L	2.00	0.00841	92.6	75-125			
Arsenic	1.92		"	2.00	0.0396	94.0	75-125			
Barium	2.23		"	2.00	0.325	95.4	75-125			
Beryllium	1.87		"	2.00	0.00372	93.5	75-125			
Cadmium	1.92		"	2.00	0.0261	94.6	75-125			
Chromium	2.31		"	2.00	0.453	93.0	75-125			
Cobalt	1.91		"	2.00	0.0218	94.5	75-125			
Copper	2.00		"	2.00	0.0615	97.1	75-125			
Lead	1.94		"	2.00	0.0496	94.4	75-125			
Molybdenum	1.90		"	2.00	0.0253	93.6	75-125			
Nickel	2.08		"	2.00	0.208	93.8	75-125			
Selenium	1.85		"	2.00	-0.0202	92.6	75-125			
Silver	0.0931		"	0.100	-0.00186	93.1	75-125			
Thallium	1.87		"	2.00	0.0342	91.9	75-125			
Vanadium	2.11		"	2.00	0.258	92.8	75-125			
Zinc	2.22		"	2.00	0.355	93.4	75-125			

Batch B9D0587 - EPA 6010B Preparation: EPA 3050B 04/19/19 15:06

Blank (B9D0587-BLK1)

Analyzed: 04/23/19 18:48

Antimony	ND	2.5	mg/kg
Arsenic	ND	2.0	"
Barium	ND	1.0	"
Beryllium	ND	0.50	"
Cadmium	ND	0.25	"
Chromium	ND	0.50	"
Cobalt	ND	0.50	"
Copper	ND	1.0	"
Lead	ND	0.50	"
Molybdenum	ND	0.50	"
Nickel	ND	0.25	"
Selenium	ND	2.0	"
Silver	ND	0.50	"
Thallium	ND	1.0	"
Vanadium	ND	1.0	"
Zinc	ND	1.0	"

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Project: Ortega Park
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0587 - EPA 6010B Preparation: EPA 3050B 04/19/19 15:06

LCS (B9D0587-BS1)

Analyzed: 04/23/19 18:25

Antimony	95.8	2.5	mg/kg	100		95.8	80-120			
Arsenic	95.5	2.0	"	100		95.5	80-120			
Barium	97.5	1.0	"	100		97.5	80-120			
Beryllium	95.0	0.50	"	100		95.0	80-120			
Cadmium	98.2	0.25	"	100		98.2	80-120			
Chromium	95.1	0.50	"	100		95.1	80-120			
Cobalt	99.0	0.50	"	100		99.0	80-120			
Copper	96.4	1.0	"	100		96.4	80-120			
Lead	99.4	0.50	"	100		99.4	80-120			
Molybdenum	96.5	0.50	"	100		96.5	80-120			
Nickel	98.8	0.25	"	100		98.8	80-120			
Selenium	93.8	2.0	"	100		93.8	80-120			
Silver	4.74	0.50	"	5.00		94.8	80-120			
Thallium	95.8	1.0	"	100		95.8	80-120			
Vanadium	93.2	1.0	"	100		93.2	80-120			
Zinc	96.8	1.0	"	100		96.8	80-120			

LCS Dup (B9D0587-BSD1)

Analyzed: 04/23/19 18:28

Antimony	96.6	2.5	mg/kg	100		96.6	80-120	0.779	20	
Arsenic	96.9	2.0	"	100		96.9	80-120	1.46	20	
Barium	99.4	1.0	"	100		99.4	80-120	1.93	20	
Beryllium	97.0	0.50	"	100		97.0	80-120	2.08	20	
Cadmium	100	0.25	"	100		100	80-120	1.82	20	
Chromium	97.7	0.50	"	100		97.7	80-120	2.70	20	
Cobalt	101	0.50	"	100		101	80-120	1.85	20	
Copper	99.0	1.0	"	100		99.0	80-120	2.66	20	
Lead	101	0.50	"	100		101	80-120	1.99	20	
Molybdenum	97.8	0.50	"	100		97.8	80-120	1.39	20	
Nickel	100	0.25	"	100		100	80-120	1.61	20	
Selenium	96.4	2.0	"	100		96.4	80-120	2.84	20	
Silver	4.82	0.50	"	5.00		96.5	80-120	1.78	20	
Thallium	98.4	1.0	"	100		98.4	80-120	2.68	20	
Vanadium	96.2	1.0	"	100		96.2	80-120	3.17	20	
Zinc	98.8	1.0	"	100		98.8	80-120	1.94	20	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0587 - EPA 6010B Preparation: EPA 3050B 04/19/19 15:06

Duplicate (B9D0587-DUP1)

Source: 1901966-29

Analyzed: 04/23/19 18:54

Antimony	ND	2.4	mg/kg	ND					20	
Arsenic	3.18	1.9	"	2.45				25.7	20	QR-04
Barium	66.2	0.97	"	60.8				8.49	20	
Beryllium	0.429	0.49	"	0.398				7.35	20	
Cadmium	ND	0.24	"	ND					20	
Chromium	15.0	0.49	"	12.8				15.6	20	
Cobalt	6.72	0.49	"	5.42				21.5	20	QR-04
Copper	8.58	0.97	"	8.39				2.18	20	
Lead	11.8	0.49	"	10.3				13.9	20	
Molybdenum	ND	0.49	"	ND					20	
Nickel	12.1	0.24	"	11.1				8.29	20	
Selenium	ND	1.9	"	ND					20	
Silver	ND	0.49	"	ND					20	
Thallium	1.41	0.97	"	1.01				33.7	20	QR-04
Vanadium	26.3	0.97	"	21.2				21.5	20	QR-04
Zinc	25.0	0.97	"	23.3				6.95	20	

Matrix Spike (B9D0587-MS1)

Source: 1901966-29

Analyzed: 04/23/19 18:30

Antimony	33.0	2.4	mg/kg	97.4	ND	33.9	10-103
Arsenic	94.9	1.9	"	97.4	2.45	95.0	75-122
Barium	166	0.97	"	97.4	60.8	108	23-186
Beryllium	93.4	0.49	"	97.4	0.398	95.5	70-127
Cadmium	93.0	0.24	"	97.4	ND	95.6	73-120
Chromium	111	0.49	"	97.4	12.8	101	47-159
Cobalt	100	0.49	"	97.4	5.42	97.4	67-125
Copper	107	0.97	"	97.4	8.39	101	60-147
Lead	106	0.49	"	97.4	10.3	98.0	57-134
Molybdenum	86.6	0.49	"	97.4	ND	88.9	59-121
Nickel	108	0.24	"	97.4	11.1	99.6	40-154
Selenium	87.8	1.9	"	97.4	ND	90.1	60-125
Silver	4.39	0.49	"	4.87	ND	90.1	39-137
Thallium	87.3	0.97	"	97.4	1.01	88.6	57-126
Vanadium	121	0.97	"	97.4	21.2	102	67-137
Zinc	119	0.97	"	97.4	23.3	98.3	45-151

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0587 - EPA 6010B Preparation: EPA 3050B 04/19/19 15:06

Matrix Spike Dup (B9D0587-MSD1)

Source: 1901966-29

Analyzed: 04/23/19 18:33

Antimony	28.6	2.3	mg/kg	92.3	ND	31.0	10-103	14.3	20	
Arsenic	89.9	1.8	"	92.3	2.45	94.7	75-122	5.50	20	
Barium	163	0.92	"	92.3	60.8	111	23-186	1.77	20	
Beryllium	88.1	0.46	"	92.3	0.398	95.1	70-127	5.82	20	
Cadmium	87.5	0.23	"	92.3	ND	94.8	73-120	6.19	20	
Chromium	104	0.46	"	92.3	12.8	99.1	47-159	6.19	20	
Cobalt	95.8	0.46	"	92.3	5.42	97.9	67-125	4.58	20	
Copper	102	0.92	"	92.3	8.39	101	60-147	5.26	20	
Lead	97.0	0.46	"	92.3	10.3	94.0	57-134	8.58	20	
Molybdenum	81.7	0.46	"	92.3	ND	88.5	59-121	5.79	20	
Nickel	103	0.23	"	92.3	11.1	99.8	40-154	4.64	20	
Selenium	82.9	1.8	"	92.3	ND	89.8	60-125	5.73	20	
Silver	4.08	0.46	"	4.61	ND	88.4	39-137	7.30	20	
Thallium	82.6	0.92	"	92.3	1.01	88.4	57-126	5.57	20	
Vanadium	114	0.92	"	92.3	21.2	100	67-137	5.97	20	
Zinc	112	0.92	"	92.3	23.3	96.6	45-151	5.73	20	

Post Spike (B9D0587-PS1)

Source: 1901966-29

Analyzed: 04/23/19 18:35

Antimony	89.7	2.5	mg/kg	99.4	ND	90.2	75-125			
Arsenic	96.3	2.0	"	99.4	2.45	94.4	75-125			
Barium	157	0.99	"	99.4	60.8	97.0	75-125			
Beryllium	93.0	0.50	"	99.4	0.398	93.2	75-125			
Cadmium	93.9	0.25	"	99.4	ND	94.5	75-125			
Chromium	106	0.50	"	99.4	12.8	93.7	75-125			
Cobalt	99.7	0.50	"	99.4	5.42	94.8	75-125			
Copper	105	0.99	"	99.4	8.39	97.2	75-125			
Lead	104	0.50	"	99.4	10.3	94.5	75-125			
Molybdenum	92.6	0.50	"	99.4	ND	93.2	75-125			
Nickel	105	0.25	"	99.4	11.1	94.3	75-125			
Selenium	90.4	2.0	"	99.4	ND	91.0	75-125			
Silver	4.32	0.50	"	4.97	ND	87.0	75-125			
Thallium	89.0	0.99	"	99.4	1.01	88.6	75-125			
Vanadium	114	0.99	"	99.4	21.2	93.4	75-125			
Zinc	117	0.99	"	99.4	23.3	94.1	75-125			

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Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0122 - EPA 6010B Preparation: EPA 3050B 05/06/19 08:31

Blank (B9E0122-BLK1)

Analyzed: 05/06/19 14:11

Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	"							
Chromium	ND	0.50	"							
Lead	ND	0.50	"							
Thallium	ND	1.0	"							
Zinc	ND	1.0	"							

LCS (B9E0122-BS1)

Analyzed: 05/06/19 14:00

Arsenic	109	2.0	mg/kg	100		109	80-120			
Barium	113	1.0	"	100		113	80-120			
Chromium	112	0.50	"	100		112	80-120			
Lead	114	0.50	"	100		114	80-120			
Thallium	114	1.0	"	100		114	80-120			
Zinc	113	1.0	"	100		113	80-120			

LCS Dup (B9E0122-BSD1)

Analyzed: 05/06/19 14:13

Arsenic	112	2.0	mg/kg	100		112	80-120	2.27	20	
Barium	113	1.0	"	100		113	80-120	0.0444	20	
Chromium	113	0.50	"	100		113	80-120	0.935	20	
Lead	116	0.50	"	100		116	80-120	1.13	20	
Thallium	108	1.0	"	100		108	80-120	5.61	20	
Zinc	115	1.0	"	100		115	80-120	1.23	20	

Duplicate (B9E0122-DUP1)

Source: 1902230-01

Analyzed: 05/06/19 14:19

Arsenic	3.96	1.9	mg/kg		3.33			17.3	20	
Barium	84.3	0.96	"		82.0			2.79	20	
Chromium	12.5	0.48	"		14.3			13.1	20	
Lead	3.04	0.48	"		3.08			1.26	20	
Thallium	3.23	0.96	"		3.43			5.85	20	
Zinc	41.5	0.96	"		44.3			6.66	20	

Matrix Spike (B9E0122-MS1)

Source: 1902230-01

Analyzed: 05/06/19 14:16

Arsenic	115	2.0	mg/kg	98.6	3.33	113	75-122			
Barium	197	0.99	"	98.6	82.0	116	23-186			
Chromium	124	0.49	"	98.6	14.3	112	47-159			
Lead	111	0.49	"	98.6	3.08	110	57-134			
Thallium	108	0.99	"	98.6	3.43	107	57-126			
Zinc	154	0.99	"	98.6	44.3	112	45-151			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0122 - EPA 6010B Preparation: EPA 3050B 05/06/19 08:31

Matrix Spike Dup (B9E0122-MSD1)

Source: 1902230-01

Analyzed: 05/06/19 14:29

Arsenic	110	1.9	mg/kg	95.7	3.33	112	75-122	3.96	20	
Barium	189	0.96	"	95.7	82.0	112	23-186	4.14	20	
Chromium	120	0.48	"	95.7	14.3	110	47-159	3.65	20	
Lead	108	0.48	"	95.7	3.08	109	57-134	3.10	20	
Thallium	104	0.96	"	95.7	3.43	105	57-126	4.06	20	
Zinc	150	0.96	"	95.7	44.3	111	45-151	2.79	20	

Post Spike (B9E0122-PS1)

Source: 1902230-01

Analyzed: 05/06/19 14:21

Arsenic	2.03		mg/L	2.00	0.0693	98.2	75-125			
Barium	3.70		"	2.00	1.71	99.7	75-125			
Chromium	2.24		"	2.00	0.298	96.9	75-125			
Lead	1.99		"	2.00	0.0642	96.5	75-125			
Thallium	1.91		"	2.00	0.0713	91.7	75-125			
Zinc	2.92		"	2.00	0.922	100	75-125			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

STLC Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0176 - STLC/EPA 7470A Preparation: EPA 7471A Leachate 05/07/19 09:23

Blank (B9E0176-BLK1)

Analyzed: 05/07/19 13:11

Mercury ND 0.0010 mg/L

LCS (B9E0176-BS1)

Analyzed: 05/07/19 13:07

Mercury 0.0510 0.0010 mg/L 0.0500 102 85-115

LCS Dup (B9E0176-BSD1)

Analyzed: 05/07/19 13:09

Mercury 0.0460 0.0010 mg/L 0.0500 92.0 85-115 10.2 20

Duplicate (B9E0176-DUP1)

Source: 1901966-14

Analyzed: 05/07/19 13:15

Mercury ND 0.0010 mg/L ND 20

Leach Fluid Blank (B9E0176-LBK1)

Analyzed: 05/07/19 13:23

Mercury ND 0.0010 mg/L

Matrix Spike (B9E0176-MS1)

Source: 1901966-14

Analyzed: 05/07/19 13:17

Mercury 0.0455 0.0010 mg/L 0.0500 ND 91.0 75-125

Matrix Spike Dup (B9E0176-MSD1)

Source: 1901966-14

Analyzed: 05/07/19 13:19

Mercury 0.0502 0.0010 mg/L 0.0500 ND 100 75-125 9.88 20

Post Spike (B9E0176-PS1)

Source: 1901966-14

Analyzed: 05/07/19 13:21

Mercury 5.00 ug/L 5.00 0.0388 99.2 85-115

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

STLC Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0157 - STLC/EPA 6010B Preparation: EPA 3010A Leachate 05/06/19 15:59

Blank (B9E0157-BLK1)

Analyzed: 05/06/19 16:44

Barium	ND	0.010	mg/L							
Chromium	ND	0.010	"							
Lead	ND	0.010	"							
Zinc	ND	0.050	"							

LCS (B9E0157-BS1)

Analyzed: 05/06/19 16:49

Barium	2.09	0.010	mg/L	2.00		104	80-120			
Chromium	2.09	0.010	"	2.00		104	80-120			
Lead	2.15	0.010	"	2.00		107	80-120			
Zinc	2.09	0.050	"	2.00		105	80-120			

LCS Dup (B9E0157-BSD1)

Analyzed: 05/06/19 16:52

Barium	2.14	0.010	mg/L	2.00		107	80-120	2.46	20	
Chromium	2.13	0.010	"	2.00		107	80-120	2.04	20	
Lead	2.20	0.010	"	2.00		110	80-120	2.16	20	
Zinc	2.14	0.050	"	2.00		107	80-120	2.27	20	

Duplicate (B9E0157-DUP1)

Source: 1901966-08

Analyzed: 05/06/19 17:13

Barium	13.0	0.050	mg/L	12.9				1.12	20	
Chromium	0.202	0.050	"	0.188				7.18	20	
Lead	102	0.050	"	101				0.494	20	
Zinc	29.9	0.25	"	29.6				0.840	20	

Leach Fluid Blank (B9E0157-LBK1)

Analyzed: 05/06/19 16:46

Barium	0.155	0.050	mg/L							B-01
Chromium	ND	0.050	"							
Lead	ND	0.050	"							
Zinc	0.114	0.25	"							B-02

Matrix Spike (B9E0157-MS1)

Source: 1901966-08

Analyzed: 05/06/19 16:54

Barium	23.3	0.050	mg/L	10.0	12.9	104	70-132			
Chromium	10.8	0.050	"	10.0	0.188	106	82-123			
Lead	111	0.050	"	10.0	101	102	79-121			
Zinc	40.2	0.25	"	10.0	29.6	105	72-140			

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

STLC Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0157 - STLC/EPA 6010B Preparation: EPA 3010A Leachate 05/06/19 15:59

Matrix Spike Dup (B9E0157-MSD1)

Source: 1901966-08

Analyzed: 05/06/19 16:57

Barium	23.2	0.050	mg/L	10.0	12.9	103	70-132	0.538	20	
Chromium	10.8	0.050	"	10.0	0.188	107	82-123	0.323	20	
Lead	111	0.050	"	10.0	101	98.0	79-121	0.360	20	
Zinc	40.0	0.25	"	10.0	29.6	104	72-140	0.299	20	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

TCLP Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0076 - EPA 1311/EPA 6010B Preparation: EPA 3010A Leachate 05/02/19 14:05

Blank (B9E0076-BLK1)

Analyzed: 05/02/19 15:10

Chromium	ND	0.010	mg/L							
Lead	ND	0.010	"							

LCS (B9E0076-BS1)

Analyzed: 05/02/19 15:15

Chromium	2.11	0.010	mg/L	2.00		106	80-120			
Lead	2.14	0.010	"	2.00		107	80-120			

LCS Dup (B9E0076-BSD1)

Analyzed: 05/02/19 15:18

Chromium	2.03	0.010	mg/L	2.00		102	80-120	3.76	20	
Lead	2.13	0.010	"	2.00		107	80-120	0.562	20	

Duplicate (B9E0076-DUP1)

Source: 1901966-08

Analyzed: 05/02/19 15:39

Chromium	ND	0.050	mg/L		ND				20	
Lead	0.811	0.050	"		0.828			2.07	20	

Leach Fluid Blank (B9E0076-LBK1)

Analyzed: 05/02/19 15:12

Chromium	ND	0.050	mg/L							
Lead	ND	0.050	"							

Matrix Spike (B9E0076-MS1)

Source: 1901966-08

Analyzed: 05/02/19 15:20

Chromium	10.4	0.050	mg/L	10.0	ND	104	82-123			
Lead	11.1	0.050	"	10.0	0.828	102	79-121			

Matrix Spike Dup (B9E0076-MSD1)

Source: 1901966-08

Analyzed: 05/02/19 15:31

Chromium	10.4	0.050	mg/L	10.0	ND	104	82-123	0.240	20	
Lead	11.1	0.050	"	10.0	0.828	102	79-121	0.181	20	

Batch B9E0807 - EPA 1311/EPA 6010B Preparation: EPA 3010A Leachate 05/28/19 11:37

Blank (B9E0807-BLK1)

Analyzed: 05/28/19 13:17

Lead	ND	0.010	mg/L							
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LCS (B9E0807-BS1)

Analyzed: 05/28/19 12:59

Lead	2.09	0.010	mg/L	2.00		105	80-120			
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LCS Dup (B9E0807-BSD1)

Analyzed: 05/28/19 13:02

Lead	2.09	0.010	mg/L	2.00		105	80-120	0.00	20	
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Project: Ortega Park
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

TCLP Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0807 - EPA 1311/EPA 6010B Preparation: EPA 3010A Leachate 05/28/19 11:37

Duplicate (B9E0807-DUP1)

Source: 1901966-13

Analyzed: 05/28/19 13:28

Lead	ND	0.050	mg/L		0.0300				20	
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Leach Fluid Blank (B9E0807-LBK1)

Analyzed: 05/28/19 13:20

Lead	ND	0.050	mg/L							
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Matrix Spike (B9E0807-MS1)

Source: 1901966-13

Analyzed: 05/28/19 13:04

Lead	10.1	0.050	mg/L	10.0	0.0300	101	78-119			
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Matrix Spike Dup (B9E0807-MSD1)

Source: 1901966-13

Analyzed: 05/28/19 13:07

Lead	10.2	0.050	mg/L	10.0	0.0300	101	78-119	0.691	20	
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0596 - EPA 8015M Preparation: EPA 5035/5030B MEOH GC 04/19/19 16:42

Blank (B9D0596-BLK1)

Analyzed: 04/19/19 17:54

TPH Gasoline (C4-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.125		87.5	36-163			

LCS (B9D0596-BS1)

Analyzed: 04/19/19 16:56

TPH Gasoline (C4-C12)	0.477	0.50	mg/kg	0.498		95.9	64-161			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.125		95.7	36-163			

LCS Dup (B9D0596-BSD1)

Analyzed: 04/19/19 17:25

TPH Gasoline (C4-C12)	0.484	0.50	mg/kg	0.499		96.9	64-161	1.27	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.125		95.4	36-163			

Duplicate (B9D0596-DUP1)

Source: 1901966-01

Analyzed: 04/19/19 18:52

TPH Gasoline (C4-C12)	ND	0.49	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene	0.0940		"	0.122		76.8	36-163			

Matrix Spike (B9D0596-MS1)

Source: 1901966-01

Analyzed: 04/19/19 23:43

TPH Gasoline (C4-C12)	0.237	0.50	mg/kg	0.498	ND	47.6	10-161			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.125		87.3	36-163			

Matrix Spike Dup (B9D0596-MSD1)

Source: 1901966-01

Analyzed: 04/20/19 00:12

TPH Gasoline (C4-C12)	0.293	0.49	mg/kg	0.488	ND	59.9	10-161	21.1	20	QR-02
Surrogate: 4-Bromofluorobenzene	0.105		"	0.122		86.2	36-163			

Batch B9D0618 - EPA 8015M Preparation: EPA 5035/5030B MEOH GC 04/22/19 09:51

Blank (B9D0618-BLK1)

Analyzed: 04/22/19 11:57

TPH Gasoline (C4-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.125		85.9	36-163			

LCS (B9D0618-BS1)

Analyzed: 04/22/19 10:59

TPH Gasoline (C4-C12)	0.452	0.50	mg/kg	0.499		90.6	64-161			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.125		93.4	36-163			

LCS Dup (B9D0618-BSD1)

Analyzed: 04/22/19 11:28

TPH Gasoline (C4-C12)	0.454	0.50	mg/kg	0.500		90.7	64-161	0.332	20	
Surrogate: 4-Bromofluorobenzene	0.117		"	0.125		93.7	36-163			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0618 - EPA 8015M Preparation: EPA 5035/5030B MEOH GC 04/22/19 09:51

Duplicate (B9D0618-DUP1)		Source: 1901890-02RE1		Analyzed: 04/22/19 12:55						
TPH Gasoline (C4-C12)	ND	0.50	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene	0.0537		"	0.124		43.2	36-163			
Matrix Spike (B9D0618-MS1)		Source: 1901966-21		Analyzed: 04/23/19 08:46						
TPH Gasoline (C4-C12)	9.16	0.50	mg/kg	0.495	3.41	NR	10-161			QM-4X
Surrogate: 4-Bromofluorobenzene	19.7		"	0.124		NR	36-163			S-02
Matrix Spike Dup (B9D0618-MSD1)		Source: 1901966-21		Analyzed: 04/23/19 09:15						
TPH Gasoline (C4-C12)	3.96	0.50	mg/kg	0.499	3.41	110	10-161	79.3	20	QR-04
Surrogate: 4-Bromofluorobenzene	9.22		"	0.125		NR	36-163			S-02

Batch B9E0113 - EPA 8015M Preparation: EPA 5035/5030B MEOH GC 05/03/19 15:32

Blank (B9E0113-BLK1)				Analyzed: 05/04/19 01:34						
TPH Gasoline (C4-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene	0.123		"	0.125		98.5	36-163			
LCS (B9E0113-BS1)				Analyzed: 05/04/19 00:36						
TPH Gasoline (C4-C12)	0.588	0.50	mg/kg	0.500		118	64-161			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.125		103	36-163			
LCS Dup (B9E0113-BSD1)				Analyzed: 05/04/19 01:05						
TPH Gasoline (C4-C12)	0.600	0.50	mg/kg	0.500		120	64-161	2.01	20	
Surrogate: 4-Bromofluorobenzene	0.129		"	0.125		103	36-163			
Duplicate (B9E0113-DUP1)		Source: 1901966-07		Analyzed: 05/04/19 02:32						
TPH Gasoline (C4-C12)	ND	0.49	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene	0.0774		"	0.123		63.2	36-163			
Matrix Spike (B9E0113-MS1)		Source: 1901966-07		Analyzed: 05/04/19 13:11						
TPH Gasoline (C4-C12)	0.351	0.50	mg/kg	0.500	ND	70.1	10-161			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.125		84.6	36-163			
Matrix Spike Dup (B9E0113-MSD1)		Source: 1901966-07		Analyzed: 05/04/19 13:40						
TPH Gasoline (C4-C12)	0.274	0.49	mg/kg	0.490	ND	55.9	10-161	24.6	20	QR-02
Surrogate: 4-Bromofluorobenzene	0.104		"	0.123		85.0	36-163			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0534 - EPA 8015M Preparation: EPA 3550C 04/18/19 13:15

Blank (B9D0534-BLK1)

Analyzed: 04/18/19 18:58

TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl	49.7		"	50.0		99.4	67-134			

LCS (B9D0534-BS1)

Analyzed: 04/18/19 18:00

TPH Diesel (C13-C22)	509	10	mg/kg	500		102	74-125			
TPH Motor Oil (C23-C40)	533	50	"	500		107	84-125			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	67-134			

LCS Dup (B9D0534-BSD1)

Analyzed: 04/18/19 18:15

TPH Diesel (C13-C22)	515	10	mg/kg	500		103	74-125	1.12	20	
TPH Motor Oil (C23-C40)	532	50	"	500		106	84-125	0.284	20	
Surrogate: o-Terphenyl	47.5		"	50.0		95.1	67-134			

Duplicate (B9D0534-DUP1)

Source: 1901966-23

Analyzed: 04/18/19 16:48

TPH Diesel (C13-C22)	ND	10	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl	49.0		"	49.9		98.2	67-134			

Matrix Spike (B9D0534-MS1)

Source: 1901966-23

Analyzed: 04/18/19 18:29

TPH Diesel (C13-C22)	519	10	mg/kg	499	ND	104	48-150			
TPH Motor Oil (C23-C40)	549	50	"	499	ND	110	78-136			
Surrogate: o-Terphenyl	49.3		"	49.9		98.9	67-134			

Matrix Spike Dup (B9D0534-MSD1)

Source: 1901966-23

Analyzed: 04/18/19 18:44

TPH Diesel (C13-C22)	510	10	mg/kg	498	ND	102	48-150	1.76	20	
TPH Motor Oil (C23-C40)	552	50	"	498	ND	111	78-136	0.525	20	
Surrogate: o-Terphenyl	49.1		"	49.8		98.5	67-134			

Batch B9D0549 - EPA 8015M Preparation: EPA 3550C 04/18/19 15:58

Blank (B9D0549-BLK1)

Analyzed: 04/18/19 21:50

TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl	49.1		"	50.0		98.2	67-134			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0549 - EPA 8015M Preparation: EPA 3550C 04/18/19 15:58

LCS (B9D0549-BS1)

Analyzed: 04/18/19 20:52

TPH Diesel (C13-C22)	508	10	mg/kg	500		102	74-125			
TPH Motor Oil (C23-C40)	532	50	"	500		106	84-125			
Surrogate: o-Terphenyl	49.6		"	50.0		99.1	67-134			

LCS Dup (B9D0549-BSD1)

Analyzed: 04/18/19 21:07

TPH Diesel (C13-C22)	495	10	mg/kg	500		98.9	74-125	2.61	20	
TPH Motor Oil (C23-C40)	521	50	"	500		104	84-125	2.03	20	
Surrogate: o-Terphenyl	48.2		"	50.0		96.4	67-134			

Duplicate (B9D0549-DUP1)

Source: 1901966-35

Analyzed: 04/18/19 22:05

TPH Diesel (C13-C22)	ND	9.9	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl	49.2		"	49.7		99.1	67-134			

Matrix Spike (B9D0549-MS1)

Source: 1901966-35

Analyzed: 04/18/19 21:21

TPH Diesel (C13-C22)	499	10	mg/kg	499	ND	100	48-150			
TPH Motor Oil (C23-C40)	532	50	"	499	ND	107	78-136			
Surrogate: o-Terphenyl	47.1		"	49.9		94.6	67-134			

Matrix Spike Dup (B9D0549-MSD1)

Source: 1901966-35

Analyzed: 04/18/19 21:36

TPH Diesel (C13-C22)	492	9.9	mg/kg	496	ND	99.3	48-150	1.52	20	
TPH Motor Oil (C23-C40)	513	50	"	496	ND	103	78-136	3.67	20	
Surrogate: o-Terphenyl	48.1		"	49.6		97.0	67-134			

Batch B9E0073 - EPA 8015M Preparation: EPA 3550C 05/02/19 15:57

Blank (B9E0073-BLK1)

Analyzed: 05/02/19 17:56

TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl	42.2		"	50.0		84.4	67-134			

LCS (B9E0073-BS1)

Analyzed: 05/03/19 12:28

TPH Diesel (C13-C22)	511	10	mg/kg	500		102	74-125			
TPH Motor Oil (C23-C40)	520	50	"	500		104	84-125			
Surrogate: o-Terphenyl	50.5		"	50.0		101	67-134			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0073 - EPA 8015M Preparation: EPA 3550C 05/02/19 15:57

LCS Dup (B9E0073-BSD1)

Analyzed: 05/03/19 12:42

TPH Diesel (C13-C22)	505	10	mg/kg	500		101	74-125	1.17	20	
TPH Motor Oil (C23-C40)	519	50	"	500		104	84-125	0.241	20	
Surrogate: o-Terphenyl	50.0		"	50.0		100	67-134			

Duplicate (B9E0073-DUP1)

Source: 1902231-06

Analyzed: 05/02/19 18:10

TPH Diesel (C13-C22)	ND	10	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl	41.2		"	49.8		82.8	67-134			

Matrix Spike (B9E0073-MS1)

Source: 1902231-06

Analyzed: 05/02/19 17:27

TPH Diesel (C13-C22)	439	9.9	mg/kg	497	ND	88.5	48-150			
TPH Motor Oil (C23-C40)	432	50	"	497	ND	87.0	78-136			
Surrogate: o-Terphenyl	42.2		"	49.7		85.1	67-134			

Matrix Spike Dup (B9E0073-MSD1)

Source: 1902231-06

Analyzed: 05/02/19 17:42

TPH Diesel (C13-C22)	429	10	mg/kg	499	ND	86.0	48-150	2.30	20	
TPH Motor Oil (C23-C40)	421	50	"	499	ND	84.5	78-136	2.42	20	
Surrogate: o-Terphenyl	43.0		"	49.9		86.1	67-134			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0564 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 09:11

Blank (B9D0564-BLK1)

Analyzed: 04/19/19 12:00

t-Amyl Methyl Ether	ND	0.0050	mg/kg
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
t-Butyl alcohol	ND	0.10	"
n-Butylbenzene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0050	"
Dibromomethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,1-Dichloroethene	ND	0.0050	"
cis-1,2-Dichloroethene	ND	0.0050	"
trans-1,2-Dichloroethene	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
2,2-Dichloropropane	ND	0.0050	"
1,1-Dichloropropene	ND	0.0050	"
cis-1,3-Dichloropropene	ND	0.0050	"
trans-1,3-Dichloropropene	ND	0.0050	"
Diisopropyl Ether	ND	0.0050	"
Ethanol	ND	4.0	"
Ethyl t-Butyl Ether	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
4-Isopropyl Toluene	ND	0.0050	"

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0564 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 09:11

Blank (B9D0564-BLK1)

Analyzed: 04/19/19 12:00

Isopropylbenzene	ND	0.0050	mg/kg							
Methylene chloride	ND	0.0050	"							
Methyl-t-butyl ether	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	0.0416		"	0.0499		83.4	73-132			
Surrogate: Toluene-d8	0.0497		"	0.0499		99.6	70-126			
Surrogate: 4-Bromofluorobenzene	0.0497		"	0.0499		99.6	78-118			

LCS (B9D0564-BS1)

Analyzed: 04/19/19 10:04

Benzene	0.0217	0.0050	mg/kg	0.0199		109	74-135			
Chlorobenzene	0.0235	0.0050	"	0.0199		118	79-130			
1,1-Dichloroethene	0.0184	0.0050	"	0.0199		92.2	40-158			
Toluene	0.0227	0.0050	"	0.0199		114	70-137			
Trichloroethene (TCE)	0.0229	0.0050	"	0.0199		115	79-142			
Surrogate: Dibromofluoromethane	0.0430		"	0.0498		86.4	73-132			
Surrogate: Toluene-d8	0.0495		"	0.0498		99.4	70-126			
Surrogate: 4-Bromofluorobenzene	0.0496		"	0.0498		99.7	78-118			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0564 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 09:11

LCS Dup (B9D0564-BSD1)

Analyzed: 04/19/19 10:33

Benzene	0.0214	0.0050	mg/kg	0.0200		107	74-135	1.28	20	
Chlorobenzene	0.0236	0.0050	"	0.0200		118	79-130	0.707	20	
1,1-Dichloroethene	0.0180	0.0050	"	0.0200		90.4	40-158	1.77	20	
Toluene	0.0225	0.0050	"	0.0200		113	70-137	1.21	20	
Trichloroethene (TCE)	0.0227	0.0050	"	0.0200		114	79-142	0.850	20	
Surrogate: Dibromofluoromethane	0.0447		"	0.0499		89.6	73-132			
Surrogate: Toluene-d8	0.0496		"	0.0499		99.4	70-126			
Surrogate: 4-Bromofluorobenzene	0.0515		"	0.0499		103	78-118			

Duplicate (B9D0564-DUP1)

Source: 1901966-06

Analyzed: 04/19/19 14:00

t-Amyl Methyl Ether	ND	0.0050	mg/kg		ND				20	
Benzene	ND	0.0050	"		ND				20	
Bromobenzene	ND	0.0050	"		ND				20	
Bromochloromethane	ND	0.0050	"		ND				20	
Bromodichloromethane	ND	0.0050	"		ND				20	
Bromoform	ND	0.0050	"		ND				20	
Bromomethane	ND	0.0050	"		ND				20	
t-Butyl alcohol	ND	0.099	"		ND				20	
n-Butylbenzene	ND	0.0050	"		ND				20	
sec-Butylbenzene	ND	0.0050	"		ND				20	
tert-Butylbenzene	ND	0.0050	"		ND				20	
Carbon tetrachloride	ND	0.0050	"		ND				20	
Chlorobenzene	ND	0.0050	"		ND				20	
Chloroethane	ND	0.0050	"		ND				20	
Chloroform	ND	0.0050	"		ND				20	
Chloromethane	ND	0.0050	"		ND				20	
2-Chlorotoluene	ND	0.0050	"		ND				20	
4-Chlorotoluene	ND	0.0050	"		ND				20	
Dibromochloromethane	ND	0.0050	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0050	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0050	"		ND				20	
Dibromomethane	ND	0.0050	"		ND				20	
1,2-Dichlorobenzene	ND	0.0050	"		ND				20	
1,3-Dichlorobenzene	ND	0.0050	"		ND				20	
1,4-Dichlorobenzene	ND	0.0050	"		ND				20	
Dichlorodifluoromethane	ND	0.0050	"		ND				20	
1,1-Dichloroethane	ND	0.0050	"		ND				20	
1,2-Dichloroethane	ND	0.0050	"		ND				20	
1,1-Dichloroethene	ND	0.0050	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0050	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0050	"		ND				20	
1,2-Dichloropropane	ND	0.0050	"		ND				20	
1,3-Dichloropropane	ND	0.0050	"		ND				20	

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0564 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 09:11

Duplicate (B9D0564-DUP1)	Source: 1901966-06		Analyzed: 04/19/19 14:00							
2,2-Dichloropropane	ND	0.0050	mg/kg		ND				20	
1,1-Dichloropropene	ND	0.0050	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0050	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0050	"		ND				20	
Diisopropyl Ether	ND	0.0050	"		ND				20	
Ethanol	ND	4.0	"		ND				20	
Ethyl t-Butyl Ether	ND	0.0050	"		ND				20	
Ethylbenzene	ND	0.0050	"		ND				20	
Hexachlorobutadiene	ND	0.0050	"		ND				20	
4-Isopropyl Toluene	0.0991	0.0050	"		0.121			19.5	20	
Isopropylbenzene	ND	0.0050	"		ND				20	
Methylene chloride	ND	0.0050	"		ND				20	
Methyl-t-butyl ether	ND	0.0050	"		ND				20	
Naphthalene	ND	0.0050	"		ND				20	
n-Propylbenzene	ND	0.0050	"		ND				20	
Styrene	ND	0.0050	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0050	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0050	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0050	"		ND				20	
Toluene	ND	0.0050	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.0050	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0050	"		ND				20	
1,1,1-Trichloroethane	ND	0.0050	"		ND				20	
1,1,2-Trichloroethane	ND	0.0050	"		ND				20	
Trichloroethene (TCE)	ND	0.0050	"		ND				20	
Trichlorofluoromethane	ND	0.0050	"		ND				20	
1,2,3-Trichloropropane	ND	0.0050	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0050	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0050	"		ND				20	
Vinyl chloride	ND	0.0050	"		ND				20	
Xylenes (total)	ND	0.0050	"		ND				20	
Surrogate: Dibromofluoromethane	0.0418		"	0.0496		84.2	73-132			
Surrogate: Toluene-d8	0.0490		"	0.0496		98.7	70-126			
Surrogate: 4-Bromofluorobenzene	0.0495		"	0.0496		99.8	78-118			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0564 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 09:11

Matrix Spike (B9D0564-MS1)

Source: 1901966-08

Analyzed: 04/19/19 19:49

Benzene	0.0410	0.0050	mg/kg	0.0398	ND	103	40-148
Chlorobenzene	0.0424	0.0050	"	0.0398	ND	106	37-149
1,1-Dichloroethene	0.0358	0.0050	"	0.0398	ND	89.9	10-169
Toluene	0.0420	0.0050	"	0.0398	ND	105	37-149
Trichloroethene (TCE)	0.0441	0.0050	"	0.0398	ND	111	34-162
Surrogate: Dibromofluoromethane	0.0491		"	0.0498		98.6	73-132
Surrogate: Toluene-d8	0.0501		"	0.0498		101	70-126
Surrogate: 4-Bromofluorobenzene	0.0504		"	0.0498		101	78-118

Batch B9D0578 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 14:05

Blank (B9D0578-BLK2)

Analyzed: 04/19/19 17:11

t-Amyl Methyl Ether	ND	0.0050	mg/kg
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
t-Butyl alcohol	ND	0.099	"
n-Butylbenzene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0050	"
Dibromomethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,1-Dichloroethene	ND	0.0050	"
cis-1,2-Dichloroethene	ND	0.0050	"
trans-1,2-Dichloroethene	ND	0.0050	"

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0578 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 14:05

Blank (B9D0578-BLK2)

Analyzed: 04/19/19 17:11

1,2-Dichloropropane	ND	0.0050	mg/kg							
1,3-Dichloropropane	ND	0.0050	"							
2,2-Dichloropropane	ND	0.0050	"							
1,1-Dichloropropene	ND	0.0050	"							
cis-1,3-Dichloropropene	ND	0.0050	"							
trans-1,3-Dichloropropene	ND	0.0050	"							
Diisopropyl Ether	ND	0.0050	"							
Ethanol	ND	4.0	"							
Ethyl t-Butyl Ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
4-Isopropyl Toluene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							
Methylene chloride	ND	0.0050	"							
Methyl-t-butyl ether	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	0.0509		"	0.0495		103	73-132			
Surrogate: Toluene-d8	0.0516		"	0.0495		104	70-126			
Surrogate: 4-Bromofluorobenzene	0.0490		"	0.0495		98.9	78-118			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0578 - EPA 8260B Preparation: EPA 5035/5030B MEOH 04/19/19 14:05

LCS (B9D0578-BS1)

Analyzed: 04/19/19 14:24

Benzene	0.0432	0.0050	mg/kg	0.0399		108	74-135			
Chlorobenzene	0.0406	0.0050	"	0.0399		102	79-130			
1,1-Dichloroethene	0.0364	0.0050	"	0.0399		91.3	40-158			
Toluene	0.0388	0.0050	"	0.0399		97.1	70-137			
Trichloroethene (TCE)	0.0395	0.0050	"	0.0399		98.9	79-142			
Surrogate: Dibromofluoromethane	0.0509		"	0.0499		102	73-132			
Surrogate: Toluene-d8	0.0506		"	0.0499		101	70-126			
Surrogate: 4-Bromofluorobenzene	0.0515		"	0.0499		103	78-118			

LCS Dup (B9D0578-BS1)

Analyzed: 04/19/19 14:52

Benzene	0.0453	0.0050	mg/kg	0.0399		114	74-135	4.78	20	
Chlorobenzene	0.0449	0.0050	"	0.0399		112	79-130	10.1	20	
1,1-Dichloroethene	0.0376	0.0050	"	0.0399		94.2	40-158	3.13	20	
Toluene	0.0422	0.0050	"	0.0399		106	70-137	8.39	20	
Trichloroethene (TCE)	0.0468	0.0050	"	0.0399		117	79-142	17.0	20	
Surrogate: Dibromofluoromethane	0.0505		"	0.0499		101	73-132			
Surrogate: Toluene-d8	0.0496		"	0.0499		99.4	70-126			
Surrogate: 4-Bromofluorobenzene	0.0509		"	0.0499		102	78-118			

Matrix Spike (B9D0578-MS1)

Source: 1901966-39

Analyzed: 04/19/19 21:47

Benzene	0.0379	0.0050	mg/kg	0.0399	ND	95.0	40-148			
Chlorobenzene	0.0270	0.0050	"	0.0399	ND	67.7	37-149			
1,1-Dichloroethene	0.0352	0.0050	"	0.0399	ND	88.3	10-169			
Toluene	0.0300	0.0050	"	0.0399	ND	75.2	37-149			
Trichloroethene (TCE)	0.0322	0.0050	"	0.0399	ND	80.7	34-162			
Surrogate: Dibromofluoromethane	0.0524		"	0.0499		105	73-132			
Surrogate: Toluene-d8	0.0511		"	0.0499		102	70-126			
Surrogate: 4-Bromofluorobenzene	0.0487		"	0.0499		97.6	78-118			

Matrix Spike Dup (B9D0578-MSD1)

Source: 1901966-39

Analyzed: 04/19/19 22:15

Benzene	0.0440	0.0050	mg/kg	0.0398	ND	111	40-148	14.9	20	
Chlorobenzene	0.0307	0.0050	"	0.0398	ND	77.2	37-149	12.7	20	
1,1-Dichloroethene	0.0433	0.0050	"	0.0398	ND	109	10-169	20.6	20	QR-02
Toluene	0.0327	0.0050	"	0.0398	ND	82.3	37-149	8.62	20	
Trichloroethene (TCE)	0.0403	0.0050	"	0.0398	ND	101	34-162	22.2	20	QR-02
Surrogate: Dibromofluoromethane	0.0528		"	0.0497		106	73-132			
Surrogate: Toluene-d8	0.0476		"	0.0497		95.7	70-126			
Surrogate: 4-Bromofluorobenzene	0.0450		"	0.0497		90.6	78-118			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0098 - EPA 8260B Preparation: EPA 5035/5030B MEOH 05/03/19 09:39

Blank (B9E0098-BLK1)

Analyzed: 05/03/19 11:59

t-Amyl Methyl Ether	ND	0.0050	mg/kg
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
t-Butyl alcohol	ND	0.10	"
n-Butylbenzene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0050	"
Dibromomethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,1-Dichloroethene	ND	0.0050	"
cis-1,2-Dichloroethene	ND	0.0050	"
trans-1,2-Dichloroethene	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
2,2-Dichloropropane	ND	0.0050	"
1,1-Dichloropropene	ND	0.0050	"
cis-1,3-Dichloropropene	ND	0.0050	"
trans-1,3-Dichloropropene	ND	0.0050	"
Diisopropyl Ether	ND	0.0050	"
Ethanol	ND	4.0	"
Ethyl t-Butyl Ether	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
4-Isopropyl Toluene	ND	0.0050	"

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0098 - EPA 8260B Preparation: EPA 5035/5030B MEOH 05/03/19 09:39

Blank (B9E0098-BLK1)

Analyzed: 05/03/19 11:59

Isopropylbenzene	ND	0.0050	mg/kg							
Methylene chloride	ND	0.0050	"							
Methyl-t-butyl ether	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	0.0510		"	0.0500		102	73-132			
Surrogate: Toluene-d8	0.0453		"	0.0500		90.6	70-126			
Surrogate: 4-Bromofluorobenzene	0.0499		"	0.0500		99.8	78-118			

LCS (B9E0098-BS1)

Analyzed: 05/03/19 10:02

Benzene	0.0231	0.0050	mg/kg	0.0200		115	74-135			
Chlorobenzene	0.0232	0.0050	"	0.0200		116	79-130			
1,1-Dichloroethene	0.0202	0.0050	"	0.0200		101	40-158			
Toluene	0.0212	0.0050	"	0.0200		106	70-137			
Trichloroethene (TCE)	0.0211	0.0050	"	0.0200		105	79-142			
Surrogate: Dibromofluoromethane	0.0513		"	0.0500		103	73-132			
Surrogate: Toluene-d8	0.0461		"	0.0500		92.2	70-126			
Surrogate: 4-Bromofluorobenzene	0.0517		"	0.0500		103	78-118			

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0098 - EPA 8260B Preparation: EPA 5035/5030B MEOH 05/03/19 09:39

LCS Dup (B9E0098-BS1)

Analyzed: 05/03/19 10:31

Benzene	0.0207	0.0050	mg/kg	0.0200		103	74-135	11.0	20	
Chlorobenzene	0.0210	0.0050	"	0.0200		105	79-130	10.1	20	
1,1-Dichloroethene	0.0177	0.0050	"	0.0200		88.4	40-158	13.1	20	
Toluene	0.0191	0.0050	"	0.0200		95.4	70-137	10.3	20	
Trichloroethene (TCE)	0.0204	0.0050	"	0.0200		102	79-142	3.47	20	
Surrogate: Dibromofluoromethane	0.0528		"	0.0500		106	73-132			
Surrogate: Toluene-d8	0.0453		"	0.0500		90.6	70-126			
Surrogate: 4-Bromofluorobenzene	0.0513		"	0.0500		103	78-118			

Duplicate (B9E0098-DUP1)

Source: 1902178-03

Analyzed: 05/03/19 15:53

t-Amyl Methyl Ether	ND	0.0050	mg/kg		ND				20	
Benzene	ND	0.0050	"		ND				20	
Bromobenzene	ND	0.0050	"		ND				20	
Bromochloromethane	ND	0.0050	"		ND				20	
Bromodichloromethane	ND	0.0050	"		ND				20	
Bromoform	ND	0.0050	"		ND				20	
Bromomethane	ND	0.0050	"		ND				20	
t-Butyl alcohol	ND	0.099	"		ND				20	
n-Butylbenzene	ND	0.0050	"		0.00204				20	
sec-Butylbenzene	ND	0.0050	"		ND				20	
tert-Butylbenzene	ND	0.0050	"		ND				20	
Carbon tetrachloride	ND	0.0050	"		ND				20	
Chlorobenzene	ND	0.0050	"		ND				20	
Chloroethane	ND	0.0050	"		ND				20	
Chloroform	ND	0.0050	"		ND				20	
Chloromethane	ND	0.0050	"		ND				20	
2-Chlorotoluene	ND	0.0050	"		ND				20	
4-Chlorotoluene	ND	0.0050	"		ND				20	
Dibromochloromethane	ND	0.0050	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0050	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0050	"		ND				20	
Dibromomethane	ND	0.0050	"		ND				20	
1,2-Dichlorobenzene	ND	0.0050	"		ND				20	
1,3-Dichlorobenzene	ND	0.0050	"		ND				20	
1,4-Dichlorobenzene	ND	0.0050	"		ND				20	
Dichlorodifluoromethane	ND	0.0050	"		ND				20	
1,1-Dichloroethane	ND	0.0050	"		ND				20	
1,2-Dichloroethane	ND	0.0050	"		ND				20	
1,1-Dichloroethene	ND	0.0050	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0050	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0050	"		ND				20	
1,2-Dichloropropane	ND	0.0050	"		ND				20	
1,3-Dichloropropane	ND	0.0050	"		ND				20	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0098 - EPA 8260B Preparation: EPA 5035/5030B MEOH 05/03/19 09:39

Duplicate (B9E0098-DUP1)

Source: 1902178-03

Analyzed: 05/03/19 15:53

2,2-Dichloropropane	ND	0.0050	mg/kg		ND				20	
1,1-Dichloropropene	ND	0.0050	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0050	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0050	"		ND				20	
Diisopropyl Ether	ND	0.0050	"		ND				20	
Ethanol	ND	4.0	"		ND				20	
Ethyl t-Butyl Ether	ND	0.0050	"		ND				20	
Ethylbenzene	ND	0.0050	"		ND				20	
Hexachlorobutadiene	ND	0.0050	"		ND				20	
4-Isopropyl Toluene	ND	0.0050	"		ND				20	
Isopropylbenzene	ND	0.0050	"		ND				20	
Methylene chloride	ND	0.0050	"		ND				20	
Methyl-t-butyl ether	ND	0.0050	"		ND				20	
Naphthalene	0.0109	0.0050	"		0.0117			6.76	20	
n-Propylbenzene	0.00258	0.0050	"		0.00248			4.33	20	
Styrene	ND	0.0050	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0050	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0050	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0050	"		ND				20	
Toluene	ND	0.0050	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.0050	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0050	"		ND				20	
1,1,1-Trichloroethane	ND	0.0050	"		ND				20	
1,1,2-Trichloroethane	ND	0.0050	"		ND				20	
Trichloroethene (TCE)	ND	0.0050	"		ND				20	
Trichlorofluoromethane	ND	0.0050	"		ND				20	
1,2,3-Trichloropropane	ND	0.0050	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0050	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0050	"		ND				20	
Vinyl chloride	ND	0.0050	"		ND				20	
Xylenes (total)	ND	0.0050	"		ND				20	
Surrogate: Dibromofluoromethane	0.0528		"	0.0497		106	73-132			
Surrogate: Toluene-d8	0.0476		"	0.0497		95.8	70-126			
Surrogate: 4-Bromofluorobenzene	0.0480		"	0.0497		96.6	78-118			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9E0098 - EPA 8260B Preparation: EPA 5035/5030B MEOH 05/03/19 09:39

Matrix Spike (B9E0098-MS1)

Source: 1902231-01

Analyzed: 05/03/19 19:48

Benzene	0.0222	0.0049	mg/kg	0.0198	ND	112	40-148
Chlorobenzene	0.0182	0.0049	"	0.0198	ND	92.2	37-149
1,1-Dichloroethene	0.0165	0.0049	"	0.0198	ND	83.4	10-169
Toluene	0.0174	0.0049	"	0.0198	ND	88.0	37-149
Trichloroethene (TCE)	0.0183	0.0049	"	0.0198	ND	92.4	34-162
Surrogate: Dibromofluoromethane	0.0549		"	0.0494		111	73-132
Surrogate: Toluene-d8	0.0479		"	0.0494		97.0	70-126
Surrogate: 4-Bromofluorobenzene	0.0502		"	0.0494		102	78-118

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polychlorinated Biphenyls by GC/ECD - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0538 - EPA 8082 Preparation: EPA 3550C 04/18/19 09:56

Blank (B9D0538-BLK1)

Analyzed: 04/18/19 15:39

PCB-1016	ND	0.020	mg/kg							
PCB-1221	ND	0.020	"							
PCB-1232	ND	0.020	"							
PCB-1242	ND	0.020	"							
PCB-1248	ND	0.020	"							
PCB-1254	ND	0.020	"							
PCB-1260	ND	0.020	"							
Surrogate: Decachlorobiphenyl	0.00822		"	0.00833		98.6	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00550		"	0.00833		66.0	13-150			

LCS (B9D0538-BS1)

Analyzed: 04/18/19 15:01

PCB-1016	0.0610	0.020	mg/kg	0.0667		91.6	49-104			
PCB-1260	0.0608	0.020	"	0.0667		91.2	57-120			
Surrogate: Decachlorobiphenyl	0.00825		"	0.00833		99.0	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00596		"	0.00833		71.5	13-150			

LCS Dup (B9D0538-BSD1)

Analyzed: 04/18/19 15:14

PCB-1016	0.0612	0.020	mg/kg	0.0667		91.7	49-104	0.211	30	
PCB-1260	0.0658	0.020	"	0.0667		98.7	57-120	7.92	30	
Surrogate: Decachlorobiphenyl	0.00843		"	0.00833		101	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00606		"	0.00833		72.7	13-150			

Duplicate (B9D0538-DUP1)

Source: 1901995-01

Analyzed: 04/18/19 17:22

PCB-1016	ND	0.020	mg/kg		ND				30	
PCB-1221	ND	0.020	"		ND				30	
PCB-1232	ND	0.020	"		ND				30	
PCB-1242	ND	0.020	"		ND				30	
PCB-1248	ND	0.020	"		ND				30	
PCB-1254	ND	0.020	"		ND				30	
PCB-1260	ND	0.020	"		ND				30	
Surrogate: Decachlorobiphenyl	0.00656		"	0.00833		78.7	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00618		"	0.00833		74.1	13-150			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polychlorinated Biphenyls by GC/ECD - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0538 - EPA 8082 Preparation: EPA 3550C 04/18/19 09:56

Matrix Spike (B9D0538-MS1)

Source: 1901995-01

Analyzed: 04/18/19 17:34

PCB-1016	0.0589	0.020	mg/kg	0.0666	ND	88.4	52-107			
PCB-1260	0.0559	0.020	"	0.0666	ND	83.9	46-122			
Surrogate: Decachlorobiphenyl	0.00786		"	0.00833		94.4	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00567		"	0.00833		68.0	13-150			

Matrix Spike Dup (B9D0538-MSD1)

Source: 1901995-01

Analyzed: 04/18/19 17:47

PCB-1016	0.0559	0.020	mg/kg	0.0666	ND	83.8	52-107	5.29	30	
PCB-1260	0.0519	0.020	"	0.0666	ND	77.9	46-122	7.40	30	
Surrogate: Decachlorobiphenyl	0.00754		"	0.00833		90.5	11-167			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.00612		"	0.00833		73.5	13-150			

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WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0605 - EPA 8270-SIM Preparation: EPA 3550C MS 04/22/19 09:49

Blank (B9D0605-BLK1)

Analyzed: 04/22/19 17:42

Acenaphthene	ND	0.0050	mg/kg							
Acenaphthylene	ND	0.0050	"							
Anthracene	ND	0.0050	"							
Benz (a) anthracene	ND	0.0050	"							
Benzo (b) fluoranthene	ND	0.0050	"							
Benzo (k) fluoranthene	ND	0.0050	"							
Benzo (a) pyrene	ND	0.0050	"							
Benzo (g,h,i) perylene	ND	0.010	"							
Chrysene	ND	0.0050	"							
Dibenz (a,h) anthracene	ND	0.010	"							
Fluoranthene	ND	0.0050	"							
Fluorene	ND	0.0050	"							
Indeno (1,2,3-cd) pyrene	ND	0.0050	"							
Naphthalene	ND	0.010	"							
Phenanthrene	ND	0.0050	"							
Pyrene	ND	0.0050	"							
Surrogate: p-Terphenyl-d14	0.0267		"	0.0267		100	13-180			

LCS (B9D0605-BS1)

Analyzed: 04/22/19 16:18

Acenaphthene	0.0200	0.0050	mg/kg	0.0266		75.0	30-116			
Acenaphthylene	0.0203	0.0050	"	0.0266		76.3	26-118			
Anthracene	0.0220	0.0050	"	0.0266		82.5	45-135			
Benz (a) anthracene	0.0280	0.0050	"	0.0266		105	70-135			
Benzo (b) fluoranthene	0.0310	0.0050	"	0.0266		116	61-145			
Benzo (k) fluoranthene	0.0290	0.0050	"	0.0266		109	70-157			
Benzo (a) pyrene	0.0260	0.0050	"	0.0266		97.5	69-146			
Benzo (g,h,i) perylene	0.0273	0.010	"	0.0266		102	50-164			
Chrysene	0.0273	0.0050	"	0.0266		102	78-142			
Dibenz (a,h) anthracene	0.0230	0.010	"	0.0266		86.3	50-159			
Fluoranthene	0.0266	0.0050	"	0.0266		100	73-125			
Fluorene	0.0213	0.0050	"	0.0266		80.0	29-122			
Indeno (1,2,3-cd) pyrene	0.0230	0.0050	"	0.0266		86.3	52-164			
Naphthalene	0.0177	0.010	"	0.0266		66.3	22-113			
Phenanthrene	0.0227	0.0050	"	0.0266		85.0	36-125			
Pyrene	0.0266	0.0050	"	0.0266		100	72-127			
Surrogate: p-Terphenyl-d14	0.0263		"	0.0266		98.8	13-180			

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WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0605 - EPA 8270-SIM Preparation: EPA 3550C MS 04/22/19 09:49

LCS Dup (B9D0605-BSD1)

Analyzed: 04/22/19 16:39

Acenaphthene	0.0200	0.0050	mg/kg	0.0267		75.0	30-116	0.0333	30	
Acenaphthylene	0.0200	0.0050	"	0.0267		75.0	26-118	1.62	30	
Anthracene	0.0223	0.0050	"	0.0267		83.8	45-135	1.54	30	
Benz (a) anthracene	0.0280	0.0050	"	0.0267		105	70-135	0.0333	30	
Benzo (b) fluoranthene	0.0323	0.0050	"	0.0267		121	61-145	4.24	30	
Benzo (k) fluoranthene	0.0283	0.0050	"	0.0267		106	70-157	2.29	30	
Benzo (a) pyrene	0.0270	0.0050	"	0.0267		101	69-146	3.81	30	
Benzo (g,h,i) perylene	0.0250	0.010	"	0.0267		93.8	50-164	8.88	30	
Chrysene	0.0277	0.0050	"	0.0267		104	78-142	1.25	30	
Dibenz (a,h) anthracene	0.0223	0.010	"	0.0267		83.8	50-159	2.91	30	
Fluoranthene	0.0267	0.0050	"	0.0267		100	73-125	0.0333	30	
Fluorene	0.0210	0.0050	"	0.0267		78.7	29-122	1.54	30	
Indeno (1,2,3-cd) pyrene	0.0220	0.0050	"	0.0267		82.5	52-164	4.41	30	
Naphthalene	0.0173	0.010	"	0.0267		65.0	22-113	1.87	30	
Phenanthrene	0.0230	0.0050	"	0.0267		86.3	36-125	1.49	30	
Pyrene	0.0273	0.0050	"	0.0267		102	72-127	2.50	30	
Surrogate: p-Terphenyl-d14	0.0270		"	0.0267		101	13-180			

Duplicate (B9D0605-DUP1)

Source: 1902029-05

Analyzed: 04/22/19 18:24

Acenaphthene	ND	0.0050	mg/kg	ND					30	
Acenaphthylene	ND	0.0050	"	ND					30	
Anthracene	ND	0.0050	"	ND					30	
Benz (a) anthracene	ND	0.0050	"	ND					30	
Benzo (b) fluoranthene	ND	0.0050	"	ND					30	
Benzo (k) fluoranthene	ND	0.0050	"	ND					30	
Benzo (a) pyrene	ND	0.0050	"	ND					30	
Benzo (g,h,i) perylene	ND	0.010	"	ND					30	
Chrysene	ND	0.0050	"	ND					30	
Dibenz (a,h) anthracene	ND	0.010	"	ND					30	
Fluoranthene	ND	0.0050	"	ND					30	
Fluorene	ND	0.0050	"	ND					30	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	ND					30	
Naphthalene	ND	0.010	"	ND					30	
Phenanthrene	ND	0.0050	"	ND					30	
Pyrene	ND	0.0050	"	ND					30	
Surrogate: p-Terphenyl-d14	0.0270		"	0.0267		101	13-180			

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Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0605 - EPA 8270-SIM Preparation: EPA 3550C MS 04/22/19 09:49

Matrix Spike (B9D0605-MS1)

Source: 1902029-05

Analyzed: 04/22/19 17:00

Acenaphthene	0.0153	0.0050	mg/kg	0.0266	ND	57.5	23-126			
Acenaphthylene	0.0153	0.0050	"	0.0266	ND	57.5	20-126			
Anthracene	0.0200	0.0050	"	0.0266	ND	75.0	44-142			
Benz (a) anthracene	0.0256	0.0050	"	0.0266	ND	96.3	40-161			
Benzo (b) fluoranthene	0.0279	0.0050	"	0.0266	ND	105	33-179			
Benzo (k) fluoranthene	0.0239	0.0050	"	0.0266	ND	90.0	44-184			
Benzo (a) pyrene	0.0219	0.0050	"	0.0266	ND	82.5	50-156			
Benzo (g,h,i) perylene	0.0183	0.010	"	0.0266	ND	68.8	10-169			
Chrysene	0.0243	0.0050	"	0.0266	ND	91.3	42-163			
Dibenz (a,h) anthracene	0.0170	0.010	"	0.0266	ND	63.8	17-157			
Fluoranthene	0.0243	0.0050	"	0.0266	ND	91.3	43-154			
Fluorene	0.0186	0.0050	"	0.0266	ND	70.0	29-130			
Indeno (1,2,3-cd) pyrene	0.0170	0.0050	"	0.0266	ND	63.8	11-169			
Naphthalene	0.0136	0.010	"	0.0266	ND	51.2	10-123			
Phenanthrene	0.0210	0.0050	"	0.0266	ND	78.7	29-146			
Pyrene	0.0249	0.0050	"	0.0266	ND	93.7	42-152			
Surrogate: p-Terphenyl-d14	0.0273		"	0.0266		102	13-180			

Matrix Spike Dup (B9D0605-MSD1)

Source: 1902029-05

Analyzed: 04/22/19 17:21

Acenaphthene	0.0166	0.0050	mg/kg	0.0266	ND	62.5	23-126	8.23	30	
Acenaphthylene	0.0173	0.0050	"	0.0266	ND	65.0	20-126	12.1	30	
Anthracene	0.0219	0.0050	"	0.0266	ND	82.5	44-142	9.42	30	
Benz (a) anthracene	0.0282	0.0050	"	0.0266	ND	106	40-161	9.78	30	
Benzo (b) fluoranthene	0.0292	0.0050	"	0.0266	ND	110	33-179	4.55	30	
Benzo (k) fluoranthene	0.0276	0.0050	"	0.0266	ND	104	44-184	14.1	30	
Benzo (a) pyrene	0.0233	0.0050	"	0.0266	ND	87.5	50-156	5.78	30	
Benzo (g,h,i) perylene	0.0176	0.010	"	0.0266	ND	66.2	10-169	3.80	30	
Chrysene	0.0269	0.0050	"	0.0266	ND	101	42-163	10.3	30	
Dibenz (a,h) anthracene	0.0189	0.010	"	0.0266	ND	71.3	17-157	11.0	30	
Fluoranthene	0.0266	0.0050	"	0.0266	ND	100	43-154	9.05	30	
Fluorene	0.0196	0.0050	"	0.0266	ND	73.8	29-130	5.12	30	
Indeno (1,2,3-cd) pyrene	0.0183	0.0050	"	0.0266	ND	68.8	11-169	7.45	30	
Naphthalene	0.0130	0.010	"	0.0266	ND	48.8	10-123	5.10	30	
Phenanthrene	0.0226	0.0050	"	0.0266	ND	85.0	29-146	7.53	30	
Pyrene	0.0266	0.0050	"	0.0266	ND	100	42-152	6.35	30	
Surrogate: p-Terphenyl-d14	0.0256		"	0.0266		96.2	13-180			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0665 - EPA 8270-SIM Preparation: EPA 3550C MS 04/23/19 14:20

Blank (B9D0665-BLK1)

Analyzed: 04/24/19 13:49

Acenaphthene	ND	0.0050	mg/kg							
Acenaphthylene	ND	0.0050	"							
Anthracene	ND	0.0050	"							
Benz (a) anthracene	ND	0.0050	"							
Benzo (b) fluoranthene	ND	0.0050	"							
Benzo (k) fluoranthene	ND	0.0050	"							
Benzo (a) pyrene	ND	0.0050	"							
Benzo (g,h,i) perylene	ND	0.010	"							
Chrysene	ND	0.0050	"							
Dibenz (a,h) anthracene	ND	0.010	"							
Fluoranthene	ND	0.0050	"							
Fluorene	ND	0.0050	"							
Indeno (1,2,3-cd) pyrene	ND	0.0050	"							
Naphthalene	ND	0.010	"							
Phenanthrene	ND	0.0050	"							
Pyrene	ND	0.0050	"							
Surrogate: p-Terphenyl-d14	0.0243		"	0.0266		91.3	13-180			

LCS (B9D0665-BS1)

Analyzed: 04/24/19 13:05

Acenaphthene	0.0107	0.0050	mg/kg	0.0266		40.0	30-116			
Acenaphthylene	0.0113	0.0050	"	0.0266		42.5	26-118			
Anthracene	0.0150	0.0050	"	0.0266		56.3	45-135			
Benz (a) anthracene	0.0233	0.0050	"	0.0266		87.5	70-135			
Benzo (b) fluoranthene	0.0230	0.0050	"	0.0266		86.3	61-145			
Benzo (k) fluoranthene	0.0276	0.0050	"	0.0266		104	70-157			
Benzo (a) pyrene	0.0247	0.0050	"	0.0266		92.5	69-146			
Benzo (g,h,i) perylene	0.0290	0.010	"	0.0266		109	50-164			
Chrysene	0.0273	0.0050	"	0.0266		102	78-142			
Dibenz (a,h) anthracene	0.0253	0.010	"	0.0266		95.0	50-159			
Fluoranthene	0.0223	0.0050	"	0.0266		83.7	73-125			
Fluorene	0.0113	0.0050	"	0.0266		42.5	29-122			
Indeno (1,2,3-cd) pyrene	0.0260	0.0050	"	0.0266		97.5	52-164			
Naphthalene	0.00999	0.010	"	0.0266		37.5	22-113			
Phenanthrene	0.0160	0.0050	"	0.0266		60.0	36-125			
Pyrene	0.0230	0.0050	"	0.0266		86.3	72-127			
Surrogate: p-Terphenyl-d14	0.0263		"	0.0266		98.8	13-180			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0665 - EPA 8270-SIM Preparation: EPA 3550C MS 04/23/19 14:20

LCS Dup (B9D0665-BSD1)

Analyzed: 04/24/19 13:27

Acenaphthene	0.0123	0.0050	mg/kg	0.0266		46.2	30-116	14.4	30	
Acenaphthylene	0.0130	0.0050	"	0.0266		48.8	26-118	13.6	30	
Anthracene	0.0160	0.0050	"	0.0266		60.0	45-135	6.39	30	
Benz (a) anthracene	0.0240	0.0050	"	0.0266		90.0	70-135	2.75	30	
Benzo (b) fluoranthene	0.0236	0.0050	"	0.0266		88.7	61-145	2.79	30	
Benzo (k) fluoranthene	0.0283	0.0050	"	0.0266		106	70-157	2.31	30	
Benzo (a) pyrene	0.0273	0.0050	"	0.0266		102	69-146	10.2	30	
Benzo (g,h,i) perylene	0.0303	0.010	"	0.0266		114	50-164	4.43	30	
Chrysene	0.0276	0.0050	"	0.0266		104	78-142	1.15	30	
Dibenz (a,h) anthracene	0.0270	0.010	"	0.0266		101	50-159	6.30	30	
Fluoranthene	0.0243	0.0050	"	0.0266		91.2	73-125	8.50	30	
Fluorene	0.0130	0.0050	"	0.0266		48.8	29-122	13.6	30	
Indeno (1,2,3-cd) pyrene	0.0283	0.0050	"	0.0266		106	52-164	8.52	30	
Naphthalene	0.0117	0.010	"	0.0266		43.7	22-113	15.3	30	
Phenanthrene	0.0150	0.0050	"	0.0266		56.3	36-125	6.52	30	
Pyrene	0.0246	0.0050	"	0.0266		92.5	72-127	6.93	30	
Surrogate: p-Terphenyl-d14	0.0263		"	0.0266		98.8	13-180			

Duplicate (B9D0665-DUP1)

Source: 1901966-27

Analyzed: 04/24/19 20:30

R-05

Acenaphthene	ND	0.020	mg/kg	ND					30	
Acenaphthylene	ND	0.020	"	ND					30	
Anthracene	ND	0.020	"	ND					30	
Benz (a) anthracene	ND	0.020	"	ND					30	
Benzo (b) fluoranthene	0.0160	0.020	"	ND				120	30	QR-03
Benzo (k) fluoranthene	ND	0.020	"	ND					30	
Benzo (a) pyrene	ND	0.020	"	ND					30	
Benzo (g,h,i) perylene	0.0253	0.040	"	ND					30	
Chrysene	ND	0.020	"	ND					30	
Dibenz (a,h) anthracene	ND	0.040	"	ND					30	
Fluoranthene	0.0133	0.020	"	ND				66.8	30	QR-03
Fluorene	ND	0.020	"	ND					30	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	ND					30	
Naphthalene	ND	0.040	"	ND					30	
Phenanthrene	ND	0.020	"	ND					30	
Pyrene	0.0160	0.020	"	ND				70.6	30	QR-03
Surrogate: p-Terphenyl-d14	0.0253		"	0.0267		95.0	13-180			

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Rincon Consultants
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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0665 - EPA 8270-SIM Preparation: EPA 3550C MS 04/23/19 14:20

Matrix Spike (B9D0665-MS1)

Source: 1901966-27

Analyzed: 04/24/19 21:14

Acenaphthene	0.0226	0.020	mg/kg	0.0266	ND	85.0	23-126			
Acenaphthylene	0.0240	0.020	"	0.0266	ND	90.0	20-126			
Anthracene	0.0240	0.020	"	0.0266	ND	90.0	44-142			
Benz (a) anthracene	0.0280	0.020	"	0.0266	ND	105	40-161			
Benzo (b) fluoranthene	0.0386	0.020	"	0.0266	ND	145	33-179			
Benzo (k) fluoranthene	0.0293	0.020	"	0.0266	ND	110	44-184			
Benzo (a) pyrene	0.0360	0.020	"	0.0266	ND	135	50-156			
Benzo (g,h,i) perylene	0.0813	0.040	"	0.0266	ND	305	10-169			QM-07
Chrysene	0.0306	0.020	"	0.0266	ND	115	42-163			
Dibenz (a,h) anthracene	0.0413	0.040	"	0.0266	ND	155	17-157			
Fluoranthene	0.0333	0.020	"	0.0266	ND	125	43-154			
Fluorene	0.0213	0.020	"	0.0266	ND	80.0	29-130			
Indeno (1,2,3-cd) pyrene	0.0386	0.020	"	0.0266	ND	145	11-169			
Naphthalene	ND	0.040	"	0.0266	ND		10-123			QM-12
Phenanthrene	0.0280	0.020	"	0.0266	ND	105	29-146			
Pyrene	0.0346	0.020	"	0.0266	ND	130	42-152			
Surrogate: p-Terphenyl-d14	0.0213		"	0.0266		80.0	13-180			

Matrix Spike Dup (B9D0665-MSD1)

Source: 1901966-27

Analyzed: 04/24/19 20:52

Acenaphthene	0.0227	0.020	mg/kg	0.0266	ND	85.0	23-126	0.0333	30	
Acenaphthylene	0.0227	0.020	"	0.0266	ND	85.0	20-126	5.68	30	
Anthracene	0.0253	0.020	"	0.0266	ND	95.0	44-142	5.44	30	
Benz (a) anthracene	0.0306	0.020	"	0.0266	ND	115	40-161	9.12	30	
Benzo (b) fluoranthene	0.0320	0.020	"	0.0266	ND	120	33-179	18.8	30	
Benzo (k) fluoranthene	0.0346	0.020	"	0.0266	ND	130	44-184	16.7	30	
Benzo (a) pyrene	0.0293	0.020	"	0.0266	ND	110	50-156	20.4	30	
Benzo (g,h,i) perylene	0.0386	0.040	"	0.0266	ND	145	10-169	71.1	30	QR-04
Chrysene	0.0306	0.020	"	0.0266	ND	115	42-163	0.0333	30	
Dibenz (a,h) anthracene	0.0213	0.040	"	0.0266	ND	80.0	17-157	63.8	30	QR-02
Fluoranthene	0.0240	0.020	"	0.0266	ND	90.0	43-154	32.5	30	QR-02
Fluorene	0.0266	0.020	"	0.0266	ND	100	29-130	22.3	30	
Indeno (1,2,3-cd) pyrene	0.0240	0.020	"	0.0266	ND	90.0	11-169	46.8	30	QR-02
Naphthalene	ND	0.040	"	0.0266	ND		10-123		30	QM-12
Phenanthrene	0.0293	0.020	"	0.0266	ND	110	29-146	4.68	30	
Pyrene	0.0253	0.020	"	0.0266	ND	95.0	42-152	31.1	30	QR-02
Surrogate: p-Terphenyl-d14	0.0187		"	0.0266		70.0	13-180			

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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0848 - EPA 8270-SIM Preparation: EPA 3550C MS 04/30/19 10:06

Blank (B9D0848-BLK1)

Analyzed: 04/30/19 19:56

Acenaphthene	ND	0.0050	mg/kg							
Acenaphthylene	ND	0.0050	"							
Anthracene	ND	0.0050	"							
Benz (a) anthracene	ND	0.0050	"							
Benzo (b) fluoranthene	ND	0.0050	"							
Benzo (k) fluoranthene	ND	0.0050	"							
Benzo (a) pyrene	ND	0.0050	"							
Benzo (g,h,i) perylene	ND	0.010	"							
Chrysene	ND	0.0050	"							
Dibenz (a,h) anthracene	ND	0.010	"							
Fluoranthene	ND	0.0050	"							
Fluorene	ND	0.0050	"							
Indeno (1,2,3-cd) pyrene	ND	0.0050	"							
Naphthalene	ND	0.010	"							
Phenanthrene	ND	0.0050	"							
Pyrene	ND	0.0050	"							
Surrogate: p-Terphenyl-d14	0.0360		"	0.0266		135	13-180			

LCS (B9D0848-BS1)

Analyzed: 04/30/19 18:33

Acenaphthene	0.0133	0.0050	mg/kg	0.0266		50.0	30-116			
Acenaphthylene	0.0126	0.0050	"	0.0266		47.5	26-118			
Anthracene	0.0140	0.0050	"	0.0266		52.5	45-135			
Benz (a) anthracene	0.0280	0.0050	"	0.0266		105	70-135			
Benzo (b) fluoranthene	0.0276	0.0050	"	0.0266		104	61-145			
Benzo (k) fluoranthene	0.0250	0.0050	"	0.0266		93.7	70-157			
Benzo (a) pyrene	0.0240	0.0050	"	0.0266		90.0	69-146			
Benzo (g,h,i) perylene	0.0280	0.010	"	0.0266		105	50-164			
Chrysene	0.0196	0.0050	"	0.0266		73.8	78-142			
Dibenz (a,h) anthracene	0.0330	0.010	"	0.0266		124	50-159			
Fluoranthene	0.0233	0.0050	"	0.0266		87.5	73-125			
Fluorene	0.0140	0.0050	"	0.0266		52.5	29-122			
Indeno (1,2,3-cd) pyrene	0.0260	0.0050	"	0.0266		97.5	52-164			
Naphthalene	0.0130	0.010	"	0.0266		48.8	22-113			
Phenanthrene	0.0163	0.0050	"	0.0266		61.2	36-125			
Pyrene	0.0233	0.0050	"	0.0266		87.5	72-127			
Surrogate: p-Terphenyl-d14	0.0280		"	0.0266		105	13-180			

QM-08

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Project Manager: Nico Navarro

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05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0848 - EPA 8270-SIM Preparation: EPA 3550C MS 04/30/19 10:06

LCS Dup (B9D0848-BSD1)

Analyzed: 04/30/19 18:54

Acenaphthene	0.0183	0.0050	mg/kg	0.0266		68.8	30-116	31.6	30	QR-02
Acenaphthylene	0.0163	0.0050	"	0.0266		61.2	26-118	25.4	30	
Anthracene	0.0170	0.0050	"	0.0266		63.7	45-135	19.4	30	
Benz (a) anthracene	0.0276	0.0050	"	0.0266		104	70-135	1.13	30	
Benzo (b) fluoranthene	0.0356	0.0050	"	0.0266		134	61-145	25.3	30	
Benzo (k) fluoranthene	0.0320	0.0050	"	0.0266		120	70-157	24.6	30	
Benzo (a) pyrene	0.0237	0.0050	"	0.0266		88.8	69-146	1.33	30	
Benzo (g,h,i) perylene	0.0260	0.010	"	0.0266		97.5	50-164	7.34	30	
Chrysene	0.0253	0.0050	"	0.0266		95.0	78-142	25.3	30	
Dibenz (a,h) anthracene	0.0306	0.010	"	0.0266		115	50-159	7.26	30	
Fluoranthene	0.0237	0.0050	"	0.0266		88.8	73-125	1.49	30	
Fluorene	0.0273	0.0050	"	0.0266		102	29-122	64.6	30	QR-02
Indeno (1,2,3-cd) pyrene	0.0243	0.0050	"	0.0266		91.2	52-164	6.56	30	
Naphthalene	0.0170	0.010	"	0.0266		63.7	22-113	26.7	30	
Phenanthrene	0.0217	0.0050	"	0.0266		81.2	36-125	28.1	30	
Pyrene	0.0280	0.0050	"	0.0266		105	72-127	18.2	30	
Surrogate: p-Terphenyl-d14	0.0256		"	0.0266		96.3	13-180			

Duplicate (B9D0848-DUP1)

Source: 1902128-13

Analyzed: 04/30/19 20:16

Acenaphthene	ND	0.0050	mg/kg	ND					30	
Acenaphthylene	ND	0.0050	"	ND					30	
Anthracene	ND	0.0050	"	ND					30	
Benz (a) anthracene	ND	0.0050	"	ND					30	
Benzo (b) fluoranthene	ND	0.0050	"	ND					30	
Benzo (k) fluoranthene	ND	0.0050	"	ND					30	
Benzo (a) pyrene	ND	0.0050	"	ND					30	
Benzo (g,h,i) perylene	ND	0.010	"	ND					30	
Chrysene	ND	0.0050	"	ND					30	
Dibenz (a,h) anthracene	ND	0.010	"	ND					30	
Fluoranthene	ND	0.0050	"	ND					30	
Fluorene	ND	0.0050	"	ND					30	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	ND					30	
Naphthalene	ND	0.010	"	ND					30	
Phenanthrene	ND	0.0050	"	ND					30	
Pyrene	ND	0.0050	"	ND					30	
Surrogate: p-Terphenyl-d14	0.0186		"	0.0266		70.0	13-180			

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Project: Ortega Park
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Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0848 - EPA 8270-SIM Preparation: EPA 3550C MS 04/30/19 10:06

Matrix Spike (B9D0848-MS1)

Source: 1902128-13

Analyzed: 04/30/19 19:14

Acenaphthene	0.0107	0.0050	mg/kg	0.0266	ND	40.0	23-126
Acenaphthylene	0.0110	0.0050	"	0.0266	ND	41.2	20-126
Anthracene	0.0127	0.0050	"	0.0266	ND	47.5	44-142
Benz (a) anthracene	0.0283	0.0050	"	0.0266	ND	106	40-161
Benzo (b) fluoranthene	0.0233	0.0050	"	0.0266	ND	87.5	33-179
Benzo (k) fluoranthene	0.0210	0.0050	"	0.0266	ND	78.8	44-184
Benzo (a) pyrene	0.0260	0.0050	"	0.0266	ND	97.5	50-156
Benzo (g,h,i) perylene	0.0296	0.010	"	0.0266	ND	111	10-169
Chrysene	0.0240	0.0050	"	0.0266	ND	90.0	42-163
Dibenz (a,h) anthracene	0.0350	0.010	"	0.0266	ND	131	17-157
Fluoranthene	0.0207	0.0050	"	0.0266	ND	77.5	43-154
Fluorene	0.0113	0.0050	"	0.0266	ND	42.5	29-130
Indeno (1,2,3-cd) pyrene	0.0270	0.0050	"	0.0266	ND	101	11-169
Naphthalene	0.00966	0.010	"	0.0266	ND	36.2	10-123
Phenanthrene	0.0147	0.0050	"	0.0266	ND	55.0	29-146
Pyrene	0.0220	0.0050	"	0.0266	ND	82.5	42-152
Surrogate: p-Terphenyl-d14	0.0256		"	0.0266		96.3	13-180

Matrix Spike Dup (B9D0848-MSD1)

Source: 1902128-13

Analyzed: 04/30/19 19:35

Acenaphthene	0.0173	0.0050	mg/kg	0.0266	ND	65.0	23-126	47.6	30	QR-02
Acenaphthylene	0.0170	0.0050	"	0.0266	ND	63.7	20-126	42.9	30	QR-02
Anthracene	0.0187	0.0050	"	0.0266	ND	70.0	44-142	38.3	30	QR-02
Benz (a) anthracene	0.0260	0.0050	"	0.0266	ND	97.5	40-161	8.59	30	
Benzo (b) fluoranthene	0.0256	0.0050	"	0.0266	ND	96.3	33-179	9.52	30	
Benzo (k) fluoranthene	0.0237	0.0050	"	0.0266	ND	88.8	44-184	11.9	30	
Benzo (a) pyrene	0.0233	0.0050	"	0.0266	ND	87.5	50-156	10.8	30	
Benzo (g,h,i) perylene	0.0463	0.010	"	0.0266	ND	174	10-169	43.9	30	QM-11, QR-04
Chrysene	0.0230	0.0050	"	0.0266	ND	86.3	42-163	4.26	30	
Dibenz (a,h) anthracene	0.0550	0.010	"	0.0266	ND	206	17-157	44.4	30	QM-11, QR-04
Fluoranthene	0.0250	0.0050	"	0.0266	ND	93.7	43-154	19.0	30	
Fluorene	0.0167	0.0050	"	0.0266	ND	62.5	29-130	38.1	30	QR-02
Indeno (1,2,3-cd) pyrene	0.0433	0.0050	"	0.0266	ND	162	11-169	46.4	30	QR-02
Naphthalene	0.0157	0.010	"	0.0266	ND	58.8	10-123	47.4	30	QR-02
Phenanthrene	0.0190	0.0050	"	0.0266	ND	71.2	29-146	25.7	30	
Pyrene	0.0243	0.0050	"	0.0266	ND	91.2	42-152	10.1	30	
Surrogate: p-Terphenyl-d14	0.0293		"	0.0266		110	13-180			

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Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Notes and Definitions

QB-01	The method blank contains analyte at a concentration above the RL/PQL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
B-02	The method blank contains analyte at a J-flag concentration.
B-02n	The method blank contains analyte at a J-flag concentration. Concentration is less than 10% of the sample result, which is negligible according to method criteria.
C-01	To reduce matrix interference, the sample extract has undergone sulfuric acid clean-up, method 3665, which is specific to hydrocarbon contamination.
C-06	To reduce matrix interference, the sample extract has undergone pentane clean-up, which is specific to contamination from high molecular weight material (asphaltenes).
CCHI	The CCV for this analyte failed high. Analyte result is ND. Data is not impacted.
D-04	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
HT-03	This sample was analyzed outside of the EPA recommended holding time per the client's request.
HT-04	This sample was extracted outside of the EPA recommended holding time per the client's request.
ISlowA	The internal standard associated with this analyte fails the method criteria on the low side. Results may be biased high.
N-01	Analyte concentration exceeds TTLC.
N-02	Analyte concentration below TTLC but above 10x STLC.
B-01	The method blank contains analyte at a concentration above the RL/PQL.
N-07	STLC analyte concentration exceeds STLC limit.
S-LOW	Low surrogate recovery confirmed as a matrix effect by a second analysis.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
QM-08	The spike recovery was outside acceptance limits for the LCS. The batch was accepted based on acceptable LCSD recovery.
QM-09	The spike recovery was outside acceptance limits for the LCSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Spike recovery fails high. Sample results are ND. Data results are not impacted.
QM-12	The spike recoveries for the MS and/or MSD are not available due to sample dilution required from high analyte concentration and/or matrix interference(s).
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded the QC control limits.

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.



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506/604 E. Ortega St., Santa Barbara, CA
Project Manager: Nico Navarro

WO & Reported:
1901966
05/31/2019 12:54

Notes and Definitions

R-01	The Reporting Limit has been raised to account for matrix interference.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
N-03	Analyte concentration above 20x TCLP.
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

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Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 1 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK/18-06506									
Address: 180 N. ASHWOOD AVE					Site:									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested								Special Instructions:	
Phone: 805.223.5066 Fax: --- E-mail: nnavarro@rinconconsultants.com					<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH by EPA 8015M</div> <div>PAH by EPA 8270</div> <div>THM 22 - EPA methods 6010B</div> <div>Mercury 7471A</div> <div>VOCs by EPA 8260B</div> <div>PCBs by EPA 8082</div> </div>								<div style="text-align: center; font-size: 2em; margin-top: 50px;">HOLD</div> <div style="text-align: center;">↓</div>	
Report To: Nico NAVARRO Sampler: Nico NAVARRO														
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>														
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID										
19019002	4.16.19/830	S		RB1-2										
02	/ 830			RB1-4										
03	/ 900			RB2-2										
04	/ 900			RB2-4										
05	/ 910			RB3-2										
06	/ 910			RB3-4										
07	/ 925			RB7-2										
08	/ 925			RB7-4										
09	/ 945			RB4-2										
10	/ 945			RB4-4										
11	/ 950			RB6-2										
12	/ 950			RB6-4										
Relinquished By: Nico Navarro Date: 4.16.19 Time: 17:15					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water		Comments/PO#:							
Received By: [Signature] Date: 4/16/19 Time: 17:15														
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12														
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12														
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 07:55														
Received By: [Signature] Date: 4/17/19 Time: 07:55														



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Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 2 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506				
Address: 180 N. ASHWOOD AVE					Site:				
City/State/ZIP: VENTURA, CA 93003					Analysis Requested				
Phone: 805-223-5066 Fax: --- E-mail: nnavarro@rinconconsultants.com					Special Instructions:				
Report To: NICO NAVARRO Sampler: NICO NAVARRO					<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> TPH by EPA 8015M PAH by EPA 8270 Trace Metals by EPA 6010B Mercury by EPA 7471A VOCs by EPA 8260B PCBs by EPA 8082 </div> </div>				
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>									
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>									
NOTE: Samples received after 4:00PM will be considered as received the next business day									
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID					
19019100	4.16.19/1000	S	1	RB5-2					
14	/1000			RB5-4					
5	/1020			RB9-2					
16	/1020			RB9-4					
17	/1030			RB10-2					
18	/1030			RB10-4					
19	/1345			HP4-5					
20	/1350			HP4-10					
21	/1410			RB15-2					
22	/1415			RB15-4					
23	/1420			RB14-2					
24	/1420			RB14-4					
Relinquished By: Nico Navarro Date: 4.16.19 Time: 17:15					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water				
Received By: [Signature] Date: 4/16/19 Time: 17:15									
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12									
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12									
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 0755					Comments/PO#:				
Received By: [Signature] Date: 4/17/19 Time: 0755									



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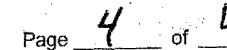
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Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 3 of 4

Company: <u>RINCON CONSULTANTS</u>					Project Name/ #: <u>ORTEGA PARK / 18-06506</u>									
Address: <u>180 N. ASHWOOD AVE</u>					Site:									
City/State/ZIP: <u>VENTURA, CA 93003</u>					Analysis Requested								Special Instructions:	
Phone: <u>805-223-5066</u> Fax: E-mail: <u>nnavarro@rinconconsultants.com</u>					<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH by EPA 8015M</div> <div>PAH by EPA 8270</div> <div>THM 2L by EPA metals 6010B</div> <div>Mercury - 7471A</div> <div>VOCs by EPA 8260B</div> <div>PCBs by EPA 8092</div> </div>								<div style="text-align: center; font-size: 2em;">HOLD</div> <div style="text-align: center; font-size: 4em;">↓</div>	
Report To: <u>NICO NAVARRO</u> Sampler: <u>NICO NAVARRO</u>														
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>														
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID										
<u>19019166</u>	<u>4.16.19/1045</u>	<u>S</u>	<u>1</u>	<u>HP5-5</u>										
<u>21</u>	<u>/1050</u>			<u>HP5-10</u>										
<u>27</u>	<u>/1150</u>			<u>RB11-2</u>										
<u>28</u>	<u>/1150</u>			<u>RB11-4</u>										
<u>29</u>	<u>/1220</u>			<u>HP3-5</u>										
<u>30</u>	<u>/1225</u>			<u>HP3-10</u>										
<u>31</u>	<u>/1435</u>			<u>HP2-5</u>										
<u>32</u>	<u>/1440</u>			<u>HP2-10</u>										
<u>33</u>	<u>/1450</u>			<u>HP1-5</u>										
<u>34</u>	<u>/1455</u>			<u>HP1-10</u>										
<u>35</u>	<u>/1510</u>			<u>RB13-2</u>										
<u>36</u>	<u>/1510</u>			<u>RB13-4</u>										
Relinquished By: <u>Nico Navarro</u> Date: <u>4.16.19</u> Time: <u>1715</u>					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water									
Received By: <u>[Signature]</u> Date: <u>4/16/19</u> Time: <u>1715</u>														
Relinquished By: <u>[Signature]</u> Date: <u>4/16/19</u> Time: <u>1912</u>														
Received By: <u>OEC FRIDGE</u> Date: <u>4/16/19</u> Time: <u>1912</u>														
Relinquished By: <u>OEC</u> Date: <u>4/17/19</u> Time: <u>0755</u>					Comments/PO#:									
Received By: <u>[Signature]</u> Date: <u>4/17/19</u> Time: <u>0755</u>														

Rev. 09/23/2014



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CHAIN OF CUSTODY

Page 1 of 4

Company: RINCON CONSULTANTS					Project Name/#: ORTEGA PARK/18-06506											
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA											
City/State/ZIP: VENTURA, CA 93003					Analysis Requested											
Phone: 805.223.5066 Fax: 805.925.3376 E-mail: nnavarro@rinconconsultants.com					Special Instructions: Report MDL											
Report To: Nico Navarro Sampler: Nico Navarro					<table border="1"> <tr> <td>TPH by EPA 8015M</td> <td>PAH by EPA 8270</td> <td>THM 32 - EPA methods 6010B</td> <td>Mercury 7471A</td> <td>VOCs by EPA 8260B</td> <td>PCBs by EPA 8082</td> <td>Hold (4/17/19)</td> </tr> </table>					TPH by EPA 8015M	PAH by EPA 8270	THM 32 - EPA methods 6010B	Mercury 7471A	VOCs by EPA 8260B	PCBs by EPA 8082	Hold (4/17/19)
TPH by EPA 8015M	PAH by EPA 8270	THM 32 - EPA methods 6010B	Mercury 7471A	VOCs by EPA 8260B						PCBs by EPA 8082	Hold (4/17/19)					
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Col/LUFT EDF <input type="checkbox"/> EDD <input type="checkbox"/>																
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>																
NOTE: Samples received after 4:00PM will be considered as received the next business day																
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH	PAH	THM	Mercury	VOCs	PCBs	Hold					
19019100	4/16/19/830	S	1	RB1-2	X	X	X	X								
	/ 830			RB1-4						X						
	/ 900			RB2-2	X	X	X	X								
	/ 900			RB2-4						X						
	/ 910			RB3-2						X						
	/ 910			RB3-4	X	X	X	X	X	X						
	/ 925			RB7-2						X						
	/ 925			RB7-4	X	X	X	X	X	X						
	/ 945			RB4-2						X						
	/ 945			RB4-4	X	X	X	X	X	X						
	/ 950			RB6-2						X						
	/ 950			RB6-4	X	X	X	X	X							
Relinquished By: Nico Navarro Date: 4/16/19 Time: 17:15					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water											
Received By: [Signature] Date: 4/16/19 Time: 17:15																
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12																
Received By: DEC FRIDGE Date: 4/16/19 Time: 19:12																
Relinquished By: DEC FRIDGE Date: 4/17/19 Time: 07:55					Comments/PO#: * Including oxygenates X Requested 4/17/19 (W)											
Received By: [Signature] Date: 4/17/19 Time: 07:55																



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CHAIN OF CUSTODY

Page 2 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506				
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA				
City/State/ZIP: VENTURA, CA 93003					Analysis Requested				
Phone: 805-223-5066 Fax: --- E-mail: hnavarro@rinconconsultants.com					Special Instructions: Report MDL				
Report To: NICO NAVARRO Sampler: Nico Navarro					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TTH by EPA 8015M</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH by EPA 8270</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TTH by EPA 8270</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Mercury by EPA 8210</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC by EPA 8260B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs by EPA 8082</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hold (4/17/19)</div> </div>				
Report Format(s): FAX- <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>									
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>									
NOTE: Samples received after 4:00PM will be considered as received the next business day									
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID					
19019100	4.16.19/1000	S	1	RB5-2					
19019101	/1000			RB5-4	X	X	X	X	X
19019102	/1020			RB9-2					X
19019103	/1020			RB9-4	X	X	X	X	X
19019104	/1030			RB10-2	X	X	X	X	X
19019105	/1030			RB10-4					X
19019106	/1345			HP4-5	X	X	X	X	
19019107	/1350			HP4-10	X	X	X	X	
19019108	/1410			RB15-2	X	X	X	X	
19019109	/1415			RB15-4					X
19019110	/1420			RB14-2	X	X	X	X	
19019111	/1420			RB14-4					X
Relinquished By: [Signature] Date: 4/16/19 Time: 17:15					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water				
Received By: [Signature] Date: 4/16/19 Time: 17:15									
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12									
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12									
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 07:55					Comments/PO#: * Including oxygenates X Requested 4/17/19 @				
Received By: [Signature] Date: 4/17/19 Time: 07:55									



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CHAIN OF CUSTODY

Page 3 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506									
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested:								Special Instructions:	
Phone: 805-223-5066 Fax: E-mail: rincon@rinconconsultants.com					<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH by EPA 8015M</div> <div>PAH by EPA 8270</div> <div>THC 22 - EPA 6010B</div> <div>Metals - 6010B</div> <div>Mercury - 7471A</div> <div>VOCs by EPA 8260B</div> <div>PCBs by EPA 8082</div> <div>Hold (4/17/19)</div> </div>								Report MOL	
Report To: NICO NAVARRO Sampler: NICO NAVARRO														
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Col/LUFT EDF <input type="checkbox"/> EDD <input type="checkbox"/>														
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH	PAH	THC	Metals	Mercury	VOCs	PCBs	Hold		
1901916	4.16.19/1045	S	1	HP5-5	X	X	X	X						HOLD
210	/1050			HP5-10	X	X	X	X						
21	/1150			RB11-2	X	X	X	X						
25	/1150			RB11-4								X		
24	/1220			HP3-5	X	X	X	X						
20	/1225			HP3-10	X	X	X	X						
31	/1435			HP2-5	X	X	X	X						
19	/1440			HP2-10	X	X	X	X						
22	/1450			HP1-5	X	X	X	X		X				
24	/1455			HP1-10	X	X	X	X						
25	/1510			RB13-2	X	X	X	X						
24	/1510			RB13-4								X		
Relinquished By: Nico Navarro Date: 4.16.19 Time: 1215					Matrix Key**:					Comments/PO#: * Including organates X Requested 4/17/19 @				
Received By: [Signature] Date: 4/16/19 Time: 1715					A = air / vapor									
Relinquished By: [Signature] Date: 4/16/19 Time: 1912					AQ = aqueous									
Received By: OEC FRIDGE Date: 4/16/19 Time: 1912					DW = drinking water									
Relinquished By: OEC Date: 4/17/19 Time: 0755					F = filter									
Received By: [Signature] Date: 4/17/19 Time: 0755					GW = ground water									
					P = product / oil									
					PW = product water									
					S = solid / sediment									
					SW = surface water									
					WP = wipe									
					WW = waste water									

CLIENT: Lincoln

COC RECEIVED DATE/TIME: 4/17/19 155

WORK ORDER: 1901966

LOGIN DATE/TIME: 4/11/19 1130

TEMPERATURE: 3.5 °C SAMPLE RECEIPT

Recorded Corrected; Acceptable Range: 0°C to 6°C [see exception notes below]

REFRIGERATOR(S): 8

SAMPLE TRANSPORT		SAMPLE RECEIPT, CONDITION, PRESERVATION		(*) Narration Comment Required		YES	NO	N/A	<input type="checkbox"/> See attached PROBLEM CHAIN for additional narration comments (**) OEC Presrv. ID <hr/> <hr/> <hr/> <hr/> <hr/>
<input checked="" type="checkbox"/> OEC Courier/Sampler <input type="checkbox"/> Delivery (Other than OEC) <input type="checkbox"/> After-Hours Outside Drop-Off [Brought Inside] Initials/Date/Time: _____ <input type="checkbox"/> Shipment Carrier: _____ Tracking #: _____		<input checked="" type="checkbox"/> Samples Received on Ice Within Temperature Range [Acceptable] <input type="checkbox"/> Samples Received Outside Temperature Range [Acceptable] <div style="margin-left: 20px;"> <input type="checkbox"/> Direct from Field, on Ice <input type="checkbox"/> Ambient: Air or Filter Matrix <input type="checkbox"/> Received Ambient, Placed on Ice for Transport <input type="checkbox"/> Sample Temperature Acceptable for Analysis Requested </div> <input type="checkbox"/> Samples Received Outside Temperature Range [Exception]* <div style="margin-left: 20px;"> <input type="checkbox"/> Insufficient Ice or Unknown Cause <input type="checkbox"/> Excessive Free Liquid in Sample Bags or Cooler </div>		Completed COC(s) Received With Samples Correct Container(s)/Preserve for Analysis Container(s) Intact and in Good Condition Container Label(s) Consistent with COC OEC Preservation Added ** Sample Quantity Sufficient & Appropriate VOA Containers Free of Headspace Tedlar Bag(s) Free of Condensation		<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *	
						<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *	
						<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *	
						<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	
						<input type="checkbox"/>	<input type="checkbox"/> *	<input checked="" type="checkbox"/>	
CUSTODY SEALS									
<input checked="" type="checkbox"/> None Present Cooler(s): <input type="checkbox"/> Present, Intact <input type="checkbox"/> Present, Not Intact <input type="checkbox"/> None Sample(s): <input type="checkbox"/> Present, Intact <input type="checkbox"/> Present, Not Intact <input type="checkbox"/> None									

[illegible]

Rev 02/25/2019

RECEIPT LOGIN BY:

RECEIPT REVIEWED BY:

Page 1 of 1



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CHAIN OF CUSTODY

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Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK/18-06506									
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested									
Phone: 805.223.5066 Fax: _____ E-mail: nnavarro@rinconconsultants.com					Special Instructions:									
Report To: NICO NAVARRO Sampler: NICO NAVARRO					Report MDL added 4:30:19 am									
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Col/LUFT EDF <input type="checkbox"/> EDD <input type="checkbox"/>														
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix (see key)	# of Cont.	Client Sample ID	TPH by EPA 8015M	PAH by EPA 8270	THM 22 - EPA 816.1	Mercury 7471A	VOCS by EPA 8260B	PB&S by EPA 8082	Hold (4/17/19)	TOTAL AS, BA, CR	STC CR	TOTAL Pb
1901906	4.16.19/830	S	1	RB1-2	X	X	X	X						
02	/ 830			RB1-4							X			
03	/ 900			RB2-2	X	X	X	X						
04	/ 900			RB2-4							X			
05	/ 910			RB3-2							X			
06	/ 910			RB3-4	X	X	X	X	X	X				
07	/ 925			RB7-2							X			
08	/ 925			RB7-4	X	X	X	X	X	X				
09	/ 945			RB4-2							X			
10	/ 945			RB4-4	X	X	X	X	X	X				
11	/ 950			RB6-2							X			
12	/ 950			RB6-4	X	X	X	X	X					
Relinquished By: Nico Navarro Date: 4/16/19 Time: 14:15					Matrix Key: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water									
Received By: [Signature] Date: 4/16/19 Time: 17:15														
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12														
Received By: DEC FRIDGE Date: 4/16/19 Time: 19:12														
Relinquished By: DEC FRIDGE Date: 4/17/19 Time: 07:55					Comments/PO#: * Including oxygenates * Requested 4/17/19 CR									
Received By: [Signature] Date: 4/17/19 Time: 07:55														



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Page 1 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK/18-06506									
Address: 180 N. ASHWOOD AVE					Site:									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested									
Phone: 805.223.5066 Fax: ---					Special Instructions:									
Report To: NICO NAVARRO Sampler: NICO NAVARRO					EPA 8015M EPA 8270 EPA 8210 EPA 8010B EPA 7471A EPA 8260B EPA 8082 EPA 8210P EPA 8210 EPA 8210									
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>														
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID										
19019106	4.16.19/830	S		RB1-2										
02	/ 830			RB1-4										
03	/ 900			RB2-2										
04	/ 900			RB2-4										
05	/ 910			RB3-2										
06	/ 910			RB3-4										
07	/ 925			RB7-2										
08	/ 925			RB7-4										
09	/ 945			RB4-2										
10	/ 945			RB4-4										
11	/ 950			RB6-2										
12	/ 950			RB6-4										
Relinquished By: [Signature] Date: 4.16.19 Time: 17:15					Matrix Key**:									
Received By: [Signature] Date: 4/16/19 Time: 17:15					A = air / vapor									
Relinquished By: [Signature] Date: 4/16/19 Time: 17:12					AQ = aqueous									
Received By: DEC FRIDGE Date: 4/16/19 Time: 17:12					DW = drinking water									
Relinquished By: DEC FRIDGE Date: 4/17/19 Time: 07:55					F = filter									
Received By: [Signature] Date: 4/17/19 Time: 07:55					GW = ground water									
					P = product / oil									
					PW = product water									
					S = solid / sediment									
					SW = surface water									
					WP = wipe									
					WW = waste water									
					Comments/PO#:									



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CHAIN OF CUSTODY

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Company: RINCON CONSULTANTS					Project Name#: ORTEGA PARK / 18-06506																															
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA																															
City/State/ZIP: VENTURA, CA 93003					Analysis Requested																															
Phone: 805-223-5066 Fax: --- E-mail: hnavarro@rinconconsultants.com					Special Instructions: Report MDL																															
Report To: NICO NAVARRO Sampler: NICO NAVARRO					<table border="1"> <tr> <td>TPH by EPA 8015M</td> <td>PAH by EPA 8270</td> <td>THC by EPA 8210</td> <td>Metals by EPA 8210</td> <td>Mercury by EPA 8210</td> <td>VOC by EPA 8260B</td> <td>PCB by EPA 8082</td> <td>Hold (4/17/19)</td> <td>TOTAL U</td> <td>STC / TCU U</td> <td>TOTAL Pb</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										TPH by EPA 8015M	PAH by EPA 8270	THC by EPA 8210	Metals by EPA 8210	Mercury by EPA 8210	VOC by EPA 8260B	PCB by EPA 8082	Hold (4/17/19)	TOTAL U	STC / TCU U	TOTAL Pb											
TPH by EPA 8015M	PAH by EPA 8270	THC by EPA 8210	Metals by EPA 8210	Mercury by EPA 8210											VOC by EPA 8260B	PCB by EPA 8082	Hold (4/17/19)	TOTAL U	STC / TCU U	TOTAL Pb																
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Coll/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>																																				
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>																																				
NOTE: Samples received after 4:00PM will be considered as received the next business day																																				
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH by EPA 8015M	PAH by EPA 8270	THC by EPA 8210	Metals by EPA 8210	Mercury by EPA 8210	VOC by EPA 8260B	PCB by EPA 8082	Hold (4/17/19)	TOTAL U	STC / TCU U	TOTAL Pb																					
19019006	4.16.19/1000	S	1	RB5-2								X																								
19019007	/1000			RB5-4	X	X	X	X	X																											
19019008	/1020			RB9-2								X																								
19019009	/1020			RB9-4	X	X	X	X	X	X	X																									
19019010	/1030			RB10-2	X	X	X	X	X	X																										
19019011	/1030			RB10-4								X																								
19019012	/1345			HP4-5	X	X	X	X																												
19019013	/1350			HP4-10	X	X	X	X	X																											
19019014	/1410			RB15-2	X	X	X	X																												
19019015	/1415			RB15-4								X																								
19019016	/1420			RB14-2	X	X	X	X																												
19019017	/1420			RB14-4								X																								
Relinquished By: [Signature] Date: 4.16.19 Time: 17:15					Matrix Key**:					Comments/PO#: * Including oxygenates X Requested 4/17/19 @																										
Received By: [Signature] Date: 4/16/19 Time: 17:15					A = air / vapor																															
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12					AQ = aqueous																															
Received By: DEC FRIDGE Date: 4/16/19 Time: 19:12					DW = drinking water																															
Relinquished By: DEC FRIDGE Date: 4/17/19 Time: 07:55					F = filter																															
Received By: [Signature] Date: 4/17/19 Time: 07:55					GW = ground water																															
					P = product / oil																															
					PW = product water																															
					S = solid / sediment																															
					SW = surface water																															
					WP = wipe																															
					WW = waste water																															



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CHAIN OF CUSTODY

Page 2 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506									
Address: 180 N. ASHWOOD AVE					Site:									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested								Special Instructions:	
Phone: 805-223-5066 Fax: --- E-mail: nnavarro@rinconconsultants.com					<div style="display: flex; flex-direction: row-reverse; justify-content: space-between; padding: 5px;"> <div>TPH by EPA 8015M</div> <div>PAH by EPA 8270</div> <div>THC by EPA 8210</div> <div>Metals - 6010B</div> <div>Mercury by 9471A</div> <div>VOCs by EPA 8260B</div> <div>PCBs by EPA 8082</div> <div>STC TCLP Pb</div> <div>TOTAL Hg</div> <div>STC Hg</div> <div>TOTAL Thallium</div> </div>								<div style="text-align: center; font-size: 2em; margin-top: 50px;">HOLD</div>	
Report To: NICO NAVARRO Sampler: NICO NAVARRO														
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>														
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID										
19019106	4.16.19/1000	S	1	RB5-2										
14	/1000			RB5-4										
15	/1020			RB9-2										
16	/1020			RB9-4										
17	/1030			RB10-2										
18	/1030			RB10-4										
19	/1345			HP4-5										
20	/1350			HP4-10										
21	/1410			RB15-2										
22	/1415			RB15-4										
23	/1420			RB14-2										
24	/1420			RB14-4										
Relinquished By: Nico Navarro Date: 4.16.19 Time: 17:15					<div style="display: flex;"> <div style="flex: 1;"> <p>Matrix Key**:</p> <p>A = air / vapor</p> <p>AQ = aqueous</p> <p>DW = drinking water</p> <p>F = filter</p> <p>GW = ground water</p> <p>P = product / oil</p> <p>PW = product water</p> <p>S = solid / sediment</p> <p>SW = surface water</p> <p>WP = wipe</p> <p>WW = waste water</p> </div> <div style="flex: 1;"> <p>Comments/PO#:</p> <p>*TCLP only</p> </div> </div>									
Received By: [Signature] Date: 4/16/19 Time: 17:15														
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12														
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12														
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 0755														
Received By: [Signature] Date: 4/17/19 Time: 0755														



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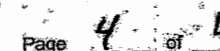
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CHAIN OF CUSTODY

Page 3 of 4

Company: RINCON CONSULTANTS					Project Name#: ORTEGA PARK / 18-06506									
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA									
City/State/ZIP: VENTURA, CA 93003					Analysis Requested:									
Phone: 805-223-5066 Fax: E-mail: rincon@rinconconsultants.com					Special Instructions: Report MOL									
Report To: NICO NAVARRO Sampler: NICO NAVARRO					<div>TPH by EPA 8015M PAH by EPA 8270 THM 2L by EPA 8210B Metals - 6010B Mercury - 7471A VOC by EPA 8260B PCB by EPA 8012 Holo (4/17/19) STC TULP Pb Total Thallium</div>									
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Cont/LUFT EDF <input type="checkbox"/> EDD <input type="checkbox"/>														
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>														
NOTE: Samples received after 4:00PM will be considered as received the next business day														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH by EPA 8015M	PAH by EPA 8270	THM 2L by EPA 8210B	Metals - 6010B	Mercury - 7471A	VOC by EPA 8260B	PCB by EPA 8012	Holo (4/17/19)	STC TULP Pb	Total Thallium
1901906	4.16.19/1045	S	1	HP5-5	X	X	X	X						
21	/1050			HP5-10	X	X	X	X						
27	/1150			RB11-2	X	X	X	X						
28	/1150			RB11-4								X		
29	/1220			HP3-5	X	X	X	X						
30	/1225			HP3-10	X	X	X	X						
31	/1435			HP2-5	X	X	X	X						
32	/1440			HP2-10	X	X	X	X						
33	/1450			HP1-5	X	X	X	X		X				
34	/1455			HP1-10	X	X	X	X						
35	/1510			RB13-2	X	X	X	X						
36	/1510			RB13-4								X		
Relinquished By: Nico Navarro Date: 4.16.19 Time: 1715					<div>Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water</div> <div>Comments/PO#: * Including organates X Requested 4/17/19 @</div>									
Received By: [Signature] Date: 4/16/19 Time: 1715														
Relinquished By: [Signature] Date: 4/16/19 Time: 1912														
Received By: OEC FRIDGE Date: 4/16/19 Time: 1912														
Relinquished By: OEC Date: 4/17/19 Time: 0755														
Received By: [Signature] Date: 4/17/19 Time: 0755														

Rev. 09/23/2014



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CHAIN OF CUSTODY

Page 1 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK/18-06506																														
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA																														
City/State/ZIP: VENTURA, CA 93003					Analysis Requested								Special Instructions:																						
Phone: 805.223.5066		Fax: _____		E-mail: nnavarro@rinconconsultants.com		<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <td>TPH by EPA 8015M</td> <td>PAH by EPA 8270</td> <td>THM 22 - EPA 6010B</td> <td>Mercury 7472A</td> <td>VOCS by EPA 8260B</td> <td>PBS by EPA 8082</td> <td>Hold (4/17/19)</td> <td>Total As, Ba, Cr</td> <td>STC Cr, STC Pb</td> <td>Total Pb</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>								TPH by EPA 8015M	PAH by EPA 8270	THM 22 - EPA 6010B	Mercury 7472A	VOCS by EPA 8260B	PBS by EPA 8082	Hold (4/17/19)	Total As, Ba, Cr	STC Cr, STC Pb	Total Pb	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Report MDL added 4:30:19 am 2 added per 4/23/19 MWS HOLD	
TPH by EPA 8015M	PAH by EPA 8270	THM 22 - EPA 6010B	Mercury 7472A	VOCS by EPA 8260B	PBS by EPA 8082									Hold (4/17/19)	Total As, Ba, Cr	STC Cr, STC Pb	Total Pb																		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																		
Report To: Nico NAVARRO		Sampler: Nico NAVARRO																																	
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Col/LUFT EDF <input type="checkbox"/> EDD <input type="checkbox"/>																																			
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>																																			
NOTE: Samples received after 4:00PM will be considered as received the next business day																																			
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID																															
19019101	4/16/19/830	S	1	RB1-2	X	X	X	X																											
02	/ 830			RB1-4								X																							
03	/ 900			RB2-2	X	X	X	X																											
04	/ 900			RB2-4								X																							
05	/ 910			RB3-2								X																							
06	/ 910			RB3-4	X	X	X	X	X	X																									
07	/ 925			RB7-2								X																							
08	/ 925			RB7-4	X	X	X	X	X	X																									
09	/ 945			RB4-2								X																							
10	/ 945			RB4-4	X	X	X	X	X	X																									
11	/ 950			RB6-2								X																							
12	/ 950			RB6-4	X	X	X	X	X																										
Relinquished By: Nico Navarro Date: 4/16/19 Time: 17:15					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water																														
Received By: [Signature] Date: 4/16/19 Time: 17:15																																			
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12																																			
Received By: DEC FRIDGE Date: 4/16/19 Time: 19:12																																			
Relinquished By: DEC FRIDGE Date: 4/17/19 Time: 07:55					Comments/PO#: * Including oxygenates X Requested 4/17/19 (MWS)																														
Received By: [Signature] Date: 4/17/19 Time: 07:55																																			



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Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK/18-06506				
Address: 180 N. ASHWOOD AVE					Site:				
City/State/ZIP: VENTURA, CA 93003					Analysis Requested				
Phone: 805.223.5066 Fax: _____ E-mail: nnavarro@rinconconsultants.com					Special Instructions:				
Report To: Nico NAVARRO Sampler: Nico NAVARRO					<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> TPH by EPA 8015N PAH by EPA 8270 THM 22 - EPA metals 6010B Mercury 7471A VOCs by EPA 8260B PCBs by EPA 8082 STC 17CLP PB TOTAL Zn STC Zn </div> <div style="width: 45%; text-align: center;"> HOLD </div> </div>				
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>									
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>									
NOTE: Samples received after 4:00PM will be considered as received the next business day									
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID					
1901900	4.16.19/830	S		RB1-2					
02	/ 830			RB1-4					
03	/ 900			RB2-2					
04	/ 900			RB2-4					
05	/ 910			RB3-2					
06	/ 910			RB3-4					
07	/ 925			RB7-2					
08	/ 925			RB7-4					
09	/ 945			RB4-2					
10	/ 945			RB4-4					
11	/ 950			RB6-2					
12	/ 950			RB6-4					

Relinquished By: Nico Navarro Date: 4.16.19 Time: 17:15

Received By: [Signature] Date: 4/16/19 Time: 17:15

Relinquished By: [Signature] Date: 4/16/19 Time: 19:12

Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12

Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 07:55

Received By: [Signature] Date: 4/17/19 Time: 07:55

Matrix Key**:

A = air / vapor

AQ = aqueous

DW = drinking water

F = filter

GW = ground water

P = product / oil

PW = product water

S = solid / sediment

SW = surface water

WP = wipe

WW = waste water

Comments/PO#:



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Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506																																												
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA																																												
City/State/ZIP: VENTURA, CA 93003					Analysis Requested																																												
Phone: 805-223-5066 Fax: --- E-mail: kna.varro@riconconsultants.com					Special Instructions: Report MDL																																												
Report To: NICO NAVARRO Sampler: NICO NAVARRO					<table border="1"> <tr> <td>TH46 EPA 8015M</td> <td>PAH by EPA 8270</td> <td>TH462 EPA Metals - 6010B</td> <td>Mercury by EPA 8210A</td> <td>VOC by EPA 8260B</td> <td>PCB by EPA 8082</td> <td>Hold (4/17/19)</td> <td>TOTAL U</td> <td>STC / TCU U</td> <td>TOTAL Pb</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					TH46 EPA 8015M	PAH by EPA 8270	TH462 EPA Metals - 6010B	Mercury by EPA 8210A	VOC by EPA 8260B	PCB by EPA 8082	Hold (4/17/19)	TOTAL U	STC / TCU U	TOTAL Pb																														
TH46 EPA 8015M	PAH by EPA 8270	TH462 EPA Metals - 6010B	Mercury by EPA 8210A	VOC by EPA 8260B						PCB by EPA 8082	Hold (4/17/19)	TOTAL U	STC / TCU U	TOTAL Pb																																			
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> CofL/UEF EDF <input type="checkbox"/> EDD <input type="checkbox"/>																																																	
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>																																																	
NOTE: Samples received after 4:00PM will be considered as received the next business day																																																	
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID																																													
190190U	4.16.19/1000	S	1	RB5-2																																													
14	/1000			RB5-4	X	X	X	X	X																																								
E	/1020			RB9-2																																													
14	/1020			RB9-4	X	X	X	X	X																																								
14	/1030			RB10-2	X	X	X	X	X																																								
15	/1030			RB10-4																																													
19	/1345			HP4-5	X	X	X	X	X																																								
20	/1350			HP4-10	X	X	X	X	X																																								
21	/1410			RB15-2	X	X	X	X	X																																								
22	/1415			RB15-4																																													
23	/1420			RB14-2	X	X	X	X	X																																								
24	/1420			RB14-4																																													
Relinquished By: Nico Navarro Date: 4/16/19 Time: 17:15					Matrix Key**:																																												
Received By: [Signature] Date: 4/16/19 Time: 17:15					A = air / vapor																																												
Relinquished By: [Signature] Date: 4/16/19 Time: 19:12					AQ = aqueous																																												
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12					DW = drinking water																																												
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 07:55					F = filter																																												
Received By: [Signature] Date: 4/17/19 Time: 07:55					GW = ground water																																												
					P = product / oil																																												
					PW = product water																																												
					S = solid / sediment																																												
					SW = surface water																																												
					WP = wipe																																												
					WW = waste water																																												
					Comments/PO#: * Including oxygenates X Requested 4/17/19 @																																												



Oilfield Environmental and Compliance

307 Roemer Way Suite 300, Santa Maria, CA 93454

Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com

101 Adkisson Way, Taft, CA 93268

Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 2 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506				
Address: 180 N. ASHWOOD AVE					Site:				
City/State/ZIP: VENTURA, CA 93003					Analysis Requested				
Phone: 805-223-5066 Fax: --- E-mail: nnavarro@rinconconsultants.com					Special Instructions:				
Report To: NICO NAVARRO Sampler: NICO NAVARRO					<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> TPH by EPA 8015M PAH by EPA 8270 T-Hg by EPA 8210 Metals - 6010B Mercury by EPA 8210A VOCs by EPA 8260B PCBs by EPA 8082 STC TCLP Pb TOTAL Hg STC Hg TOTAL THALLIUM </div> </div>				
Report Format(s): FAX- <input type="checkbox"/> PDF (std)- <input checked="" type="checkbox"/> Col/LUFT EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>									
Turnaround Time: 10 Days- <input type="checkbox"/> 5 Days (std)- <input checked="" type="checkbox"/> 3 Days- <input type="checkbox"/> 2 Days- <input type="checkbox"/> 1 Day- <input type="checkbox"/> ASAP- <input type="checkbox"/>									
NOTE: Samples received after 4:00PM will be considered as received the next business day									
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID					
190191001	4.16.19/1000	S	1	RB5-2					
14	/1000			RB5-4					
15	/1020			RB9-2					
16	/1020			RB9-4					
17	/1030			RB10-2					
18	/1030			RB10-4					
19	/1345			HP4-5					
20	/1350			HP4-10					
21	/1410			RB15-2					
22	/1415			RB15-4					
23	/1420			RB14-2					
24	/1420			RB14-4					
Relinquished By: <i>[Signature]</i> Date: 4.16.19 Time: 17:15					Matrix Key: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water				
Received By: <i>[Signature]</i> Date: 4/16/19 Time: 17:15									
Relinquished By: <i>[Signature]</i> Date: 4/16/19 Time: 19:12									
Received By: OEC FRIDGE Date: 4/16/19 Time: 19:12									
Relinquished By: OEC FRIDGE Date: 4/17/19 Time: 0755					Comments/PO#: *TCLP only				
Received By: <i>[Signature]</i> Date: 4/17/19 Time: 0755									



Oilfield Environmental and Compliance

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101 Adkisson Way, Taft, CA 93268

Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 3 of 4

Company: RINCON CONSULTANTS					Project Name/ID: ORTEGA PARK / 18-06506											
Address: 180 N. ASHWOOD AVE					Site: 604 E Ortega St, Santa Barbara, CA											
City/State/ZIP: VENTURA, CA 93003					Analysis Requested:								Special Instructions:			
Phone: 805-223-5066 Fax: E-mail: rincon@rinconconsultants.com					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH by EPA 8015M</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH by EPA 8270</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">THC by EPA 8210</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals - 6010B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Mercury - 7471A</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs by EPA 8210B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs by EPA 8082</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hold (4/17/19)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STC/TLCP Pb</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Manganese</div> </div>								Report MOL			
Report To: NICO NAVARRO Sampler: NICO NAVARRO																
Report Format(s): FAX <input type="checkbox"/> PDF (std) <input checked="" type="checkbox"/> Cohn/LUFT EDF <input type="checkbox"/> EDB <input type="checkbox"/>																
Turnaround Time: 10 Days <input type="checkbox"/> 5 Days (std) <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day <input type="checkbox"/> ASAP <input type="checkbox"/>																
NOTE: Samples received after 4:00PM will be considered as received the next business day																
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH	PAH	THC	Metals	Mercury	VOCs	PCBs	Hold	STC/TLCP Pb	Total Manganese		
1001901	4-16-19/1045	S	1	HP5-5	X	X	X	X								HOLD
20	/1050			HP5-10	X	X	X	X								
21	/1150			RB11-2	X	X	X	X								
22	/1150			RB11-4								X				
23	/1220			HP3-5	X	X	X	X								
24	/1225			HP3-10	X	X	X	X								
25	/1435			HP2-5	X	X	X	X								
26	/1440			HP2-10	X	X	X	X								
27	/1450			HP1-5	X	X	X	X		X						
28	/1455			HP1-10	X	X	X	X								
29	/1510			RB13-2	X	X	X	X								
30	/1510			RB13-4								X				
Relinquished By: [Signature] Date: 4/16/19 Time: 1715					Matrix Key**: A = air / vapor AQ = aqueous DW = drinking water F = filter GW = ground water P = product / oil PW = product water S = solid / sediment SW = surface water WP = wipe WW = waste water											
Received By: [Signature] Date: 4/16/19 Time: 1715																
Relinquished By: [Signature] Date: 4/16/19 Time: 1912																
Received By: OEC FRIDGE Date: 4/16/19 Time: 1912																
Relinquished By: OEC Date: 4/17/19 Time: 0755					Comments/PO#: * Including organometals X Requested 4/17/19 @											
Received By: [Signature] Date: 4/17/19 Time: 0755																

Oilfield Environmental and Compliance

307 Roemer Way Suite 300, Santa Maria, CA 93454

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Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 4 of 4

[illegible]



Oilfield Environmental & Compliance, Inc.

Nico Navarro
Rincon Consultants
180 N. Ashwood Ave.
Ventura, CA 93003

Report: April 29, 2019 16:47

Work Order: 1901967

Project: Ortega Park
Number: 18-06506

Dear Client:

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on April 17, 2019 07:55 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Alyssa Zuniga, Project Manager

azuniga@oecusa.com



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

SAMPLE SUMMARY

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
HP5-GW	1901967-01	Water	Water	04/16/19 11:20	04/17/19 07:55
HP3-GW	1901967-02	Water	Water	04/16/19 14:30	04/17/19 07:55
HP4-GW	1901967-03	Water	Water	04/16/19 14:45	04/17/19 07:55
HP2-GW	1901967-04	Water	Water	04/16/19 15:35	04/17/19 07:55

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.



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

ANALYTICAL REPORT FOR SAMPLES 1901967-01 (Water) HP5-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	0.081	0.046	0.056	mg/L	1	B9D0649	04/23/19	04/23/19	EPA 8015M	
TPH Motor Oil (C23-C40)	0.17	0.056	0.11	"	"	"	"	"	"	
Surrogate: o-Terphenyl			99.5 %	(42 - 153)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L	1	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
Benzene	1.0	0.25	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	"	
t-Butyl alcohol	ND	2.5	10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	

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.



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-01 (Water) HP5-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

1,2-Dichloropropane	ND	0.25	0.50	ug/L	1	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
1,3-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.25	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	"	
Toluene	0.36	0.25	0.50	"	"	"	"	"	"	J
1,2,3-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.25	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	"	
TPH Gasoline (C4-C12)	ND	20	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane			105 %	(83 - 119)		"	"	"	"	
Surrogate: Toluene-d8			99.9 %	(69 - 120)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			111 %	(79 - 125)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-01 (Water) HP5-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-02 (Water)

HP3-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	1.3	0.047	0.058	mg/L	1	B9D0649	04/23/19	04/23/19	EPA 8015M	
TPH Motor Oil (C23-C40)	2.0	0.058	0.12	"	"	"	"	"	"	
Surrogate: o-Terphenyl			109 %	(42 - 153)		"	"	"	"	

Volatile Organic Compounds by GC/MS

R-05

t-Amyl Methyl Ether	ND	2.5	5.0	ug/L	10	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
Benzene	ND	2.5	5.0	"	"	"	"	"	"	
Bromobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.5	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	5.0	"	"	"	"	"	"	
Bromoform	ND	2.5	5.0	"	"	"	"	"	"	
Bromomethane	ND	2.5	5.0	"	"	"	"	"	"	
t-Butyl alcohol	26	25	100	"	"	"	"	"	"	J
n-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Chloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Chloroform	ND	2.5	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.5	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	7.5	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	5.0	"	"	"	"	"	"	
Dibromomethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.6	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	5.0	"	"	"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-02 (Water) HP3-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

R-05

1,3-Dichloropropane	ND	2.5	5.0	ug/L	10	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
2,2-Dichloropropane	ND	2.5	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
Diisopropyl Ether	ND	2.5	5.0	"	"	"	"	"	"	
Ethanol	ND	2500	5000	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	2.5	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	5.0	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	2.5	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Methylene chloride	ND	3.5	5.0	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	2.5	5.0	"	"	"	"	"	"	
Naphthalene	ND	2.5	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Styrene	ND	2.5	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	2.5	5.0	"	"	"	"	"	"	
Toluene	ND	2.5	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	2.5	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.7	5.0	"	"	"	"	"	"	
TPH Gasoline (C4-C12)	ND	200	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane			105 %	(83 - 119)		"	"	"	"	
Surrogate: Toluene-d8			94.3 %	(69 - 120)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			112 %	(79 - 125)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-03 (Water)

HP4-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	0.17	0.047	0.057	mg/L	1	B9D0649	04/23/19	04/23/19	EPA 8015M	
TPH Motor Oil (C23-C40)	0.52	0.057	0.11	"	"	"	"	"	"	
Surrogate: o-Terphenyl			113 %	(42 - 153)		"	"	"	"	

Volatile Organic Compounds by GC/MS

R-05

t-Amyl Methyl Ether	ND	2.5	5.0	ug/L	10	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
Benzene	ND	2.5	5.0	"	"	"	"	"	"	
Bromobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.5	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	5.0	"	"	"	"	"	"	
Bromoform	ND	2.5	5.0	"	"	"	"	"	"	
Bromomethane	ND	2.5	5.0	"	"	"	"	"	"	
t-Butyl alcohol	ND	25	100	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Chloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Chloroform	ND	2.5	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.5	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	7.5	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	5.0	"	"	"	"	"	"	
Dibromomethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.6	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	5.0	"	"	"	"	"	"	

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Rincon Consultants
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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-03 (Water)

HP4-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

R-05

1,3-Dichloropropane	ND	2.5	5.0	ug/L	10	B9D0491	04/17/19	04/17/19	EPA 8260B/LUFT	
2,2-Dichloropropane	ND	2.5	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	5.0	"	"	"	"	"	"	
Diisopropyl Ether	ND	2.5	5.0	"	"	"	"	"	"	
Ethanol	ND	2500	5000	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	2.5	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	5.0	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	2.5	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Methylene chloride	ND	3.5	5.0	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	2.5	5.0	"	"	"	"	"	"	
Naphthalene	ND	2.5	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Styrene	ND	2.5	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	2.5	5.0	"	"	"	"	"	"	
Toluene	ND	2.5	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	5.0	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	2.5	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.7	5.0	"	"	"	"	"	"	
TPH Gasoline (C4-C12)	ND	200	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane			105 %	(83 - 119)		"	"	"	"	
Surrogate: Toluene-d8			93.8 %	(69 - 120)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			110 %	(79 - 125)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-04 (Water) HP2-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semi-Volatile Organic TPH by GC/FID

TPH Diesel (C13-C22)	ND	0.044	0.054	mg/L	1	B9D0649	04/23/19	04/23/19	EPA 8015M	
TPH Motor Oil (C23-C40)	0.057	0.054	0.11	"	"	"	"	"	"	J
Surrogate: o-Terphenyl			103 %	(42 - 153)		"	"	"	"	

Volatile Organic Compounds by GC/MS

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L	1	B9D0784	04/26/19	04/26/19	EPA 8260B/LUFT	
Benzene	ND	0.25	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	"	
t-Butyl alcohol	ND	2.5	10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	"	

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Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

1901967-04 (Water) HP2-GW

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS (Continued)

1,3-Dichloropropane	ND	0.25	0.50	ug/L	1	B9D0784	04/26/19	04/26/19	EPA 8260B/LUFT	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.25	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	"	
Toluene	ND	0.25	0.50	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	"	
Trichloroethene (TCE)	0.31	0.25	0.50	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	"	
TPH Gasoline (C4-C12)	ND	20	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane			104 %	(83 - 119)		"	"	"	"	
Surrogate: Toluene-d8			108 %	(69 - 120)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			106 %	(79 - 125)		"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0649 - EPA 8015M Preparation: EPA 3510C Leachate 04/23/19 09:46

Blank (B9D0649-BLK1)

Analyzed: 04/23/19 18:10

TPH Diesel (C13-C22)	ND	0.041	0.050	mg/L							
TPH Motor Oil (C23-C40)	ND	0.050	0.10	"							
Surrogate: o-Terphenyl			0.102	"	0.100		102	42-153			

Blank (B9D0649-BLK2)

Analyzed: 04/23/19 19:07

TPH Diesel (C13-C22)	ND	0.041	0.050	mg/L							
TPH Motor Oil (C23-C40)	ND	0.050	0.10	"							
Surrogate: o-Terphenyl			0.104	"	0.100		104	42-153			

LCS (B9D0649-BS1)

Analyzed: 04/23/19 18:39

TPH Diesel (C13-C22)	0.731	0.041	0.050	mg/L	1.00		73.1	24-105			
TPH Motor Oil (C23-C40)	1.11	0.050	0.10	"	1.00		111	70-130			
Surrogate: o-Terphenyl			0.105	"	0.100		105	42-153			

LCS Dup (B9D0649-BSD1)

Analyzed: 04/23/19 18:53

TPH Diesel (C13-C22)	0.843	0.041	0.050	mg/L	1.00		84.3	24-105	14.3	20	
TPH Motor Oil (C23-C40)	1.13	0.050	0.10	"	1.00		113	70-130	1.74	20	
Surrogate: o-Terphenyl			0.110	"	0.100		110	42-153			

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04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0491 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/17/19 10:29

Blank (B9D0491-BLK1)

Analyzed: 04/17/19 13:00

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L
Benzene	ND	0.25	0.50	"
Bromobenzene	ND	0.25	0.50	"
Bromochloromethane	ND	0.25	0.50	"
Bromodichloromethane	ND	0.25	0.50	"
Bromoform	ND	0.25	0.50	"
Bromomethane	ND	0.25	0.50	"
t-Butyl alcohol	ND	2.5	10	"
n-Butylbenzene	ND	0.25	0.50	"
sec-Butylbenzene	ND	0.25	0.50	"
tert-Butylbenzene	ND	0.25	0.50	"
Carbon tetrachloride	ND	0.25	0.50	"
Chlorobenzene	ND	0.25	0.50	"
Chloroethane	ND	0.25	0.50	"
Chloroform	ND	0.25	0.50	"
Chloromethane	ND	0.25	0.50	"
2-Chlorotoluene	ND	0.25	0.50	"
4-Chlorotoluene	ND	0.25	0.50	"
Dibromochloromethane	ND	0.25	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"
Dibromomethane	ND	0.25	0.50	"
1,2-Dichlorobenzene	ND	0.25	0.50	"
1,3-Dichlorobenzene	ND	0.25	0.50	"
1,4-Dichlorobenzene	ND	0.25	0.50	"
Dichlorodifluoromethane	ND	0.26	0.50	"
1,1-Dichloroethane	ND	0.25	0.50	"
1,2-Dichloroethane	ND	0.25	0.50	"
1,1-Dichloroethene	ND	0.25	0.50	"
cis-1,2-Dichloroethene	ND	0.25	0.50	"
trans-1,2-Dichloroethene	ND	0.25	0.50	"
1,2-Dichloropropane	ND	0.25	0.50	"
1,3-Dichloropropane	ND	0.25	0.50	"
2,2-Dichloropropane	ND	0.25	0.50	"
1,1-Dichloropropene	ND	0.25	0.50	"
cis-1,3-Dichloropropene	ND	0.25	0.50	"
trans-1,3-Dichloropropene	ND	0.25	0.50	"
Diisopropyl Ether	ND	0.25	0.50	"
Ethanol	ND	250	500	"
Ethyl t-Butyl Ether	ND	0.25	0.50	"
Ethylbenzene	ND	0.25	0.50	"
Hexachlorobutadiene	ND	0.25	0.50	"

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.



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0491 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/17/19 10:29

Blank (B9D0491-BLK1)

Analyzed: 04/17/19 13:00

4-Isopropyl Toluene	ND	0.25	0.50	ug/L							
Isopropylbenzene	ND	0.25	0.50	"							
Methylene chloride	ND	0.35	0.50	"							
Methyl-t-butyl ether	ND	0.25	0.50	"							
Naphthalene	ND	0.25	0.50	"							
n-Propylbenzene	ND	0.25	0.50	"							
Styrene	ND	0.25	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"							
Tetrachloroethene (PCE)	ND	0.25	0.50	"							
Toluene	ND	0.25	0.50	"							
1,2,3-Trichlorobenzene	ND	0.25	0.50	"							
1,2,4-Trichlorobenzene	ND	0.25	0.50	"							
1,1,1-Trichloroethane	ND	0.25	0.50	"							
1,1,2-Trichloroethane	ND	0.25	0.50	"							
Trichloroethene (TCE)	ND	0.25	0.50	"							
Trichlorofluoromethane	ND	0.25	0.50	"							
1,2,3-Trichloropropane	ND	0.25	0.50	"							
1,2,4-Trimethylbenzene	ND	0.25	0.50	"							
1,3,5-Trimethylbenzene	ND	0.25	0.50	"							
Vinyl chloride	ND	0.25	0.50	"							
Xylenes (total)	ND	0.27	0.50	"							
TPH Gasoline (C4-C12)	ND	20	50	"							
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			10.5	"	12.5		84.1	69-120			
Surrogate: 4-Bromofluorobenzene			13.8	"	12.5		110	79-125			

LCS (B9D0491-BS1)

Analyzed: 04/17/19 10:46

Benzene	9.66	0.25	0.50	ug/L	10.0		96.6	79-132			
Chlorobenzene	9.74	0.25	0.50	"	10.0		97.4	83-130			
1,1-Dichloroethene	10.5	0.25	0.50	"	10.0		105	62-147			
Toluene	8.39	0.25	0.50	"	10.0		83.9	71-133			
Trichloroethene (TCE)	10.6	0.25	0.50	"	10.0		106	79-140			
Surrogate: Dibromofluoromethane			12.9	"	12.5		103	83-119			
Surrogate: Toluene-d8			10.8	"	12.5		86.5	69-120			
Surrogate: 4-Bromofluorobenzene			14.0	"	12.5		112	79-125			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0491 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/17/19 10:29

LCS (B9D0491-BS2)

Analyzed: 04/17/19 11:40

TPH Gasoline (C4-C12)	337	20	50	ug/L	500		67.4	56-132			
Surrogate: Dibromofluoromethane			13.0	"	12.5		104	83-119			
Surrogate: Toluene-d8			12.4	"	12.5		99.6	69-120			
Surrogate: 4-Bromofluorobenzene			14.0	"	12.5		112	79-125			

LCS Dup (B9D0491-BS2)

Analyzed: 04/17/19 11:13

Benzene	9.66	0.25	0.50	ug/L	10.0		96.6	79-132	0.00	20	
Chlorobenzene	9.70	0.25	0.50	"	10.0		97.0	83-130	0.412	20	
1,1-Dichloroethene	10.1	0.25	0.50	"	10.0		101	62-147	4.09	20	
Toluene	9.95	0.25	0.50	"	10.0		99.5	71-133	17.0	20	
Trichloroethene (TCE)	10.2	0.25	0.50	"	10.0		102	79-140	4.62	20	
Surrogate: Dibromofluoromethane			13.5	"	12.5		108	83-119			
Surrogate: Toluene-d8			12.6	"	12.5		101	69-120			
Surrogate: 4-Bromofluorobenzene			13.8	"	12.5		110	79-125			

LCS Dup (B9D0491-BS2)

Analyzed: 04/17/19 12:07

TPH Gasoline (C4-C12)	304	20	50	ug/L	500		60.9	56-132	10.2	20	
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			11.1	"	12.5		89.1	69-120			
Surrogate: 4-Bromofluorobenzene			13.8	"	12.5		111	79-125			

Duplicate (B9D0491-DUP1)

Source: 1901967-01

Analyzed: 04/17/19 16:39

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L		ND				20	
Benzene	1.07	0.25	0.50	"		1.04			2.84	20	
Bromobenzene	ND	0.25	0.50	"		ND				20	
Bromochloromethane	ND	0.25	0.50	"		ND				20	
Bromodichloromethane	ND	0.25	0.50	"		ND				20	
Bromoform	ND	0.25	0.50	"		ND				20	
Bromomethane	ND	0.25	0.50	"		ND				20	
t-Butyl alcohol	ND	2.5	10	"		ND				20	
n-Butylbenzene	ND	0.25	0.50	"		ND				20	
sec-Butylbenzene	ND	0.25	0.50	"		ND				20	
tert-Butylbenzene	ND	0.25	0.50	"		ND				20	
Carbon tetrachloride	ND	0.25	0.50	"		ND				20	
Chlorobenzene	ND	0.25	0.50	"		ND				20	
Chloroethane	ND	0.25	0.50	"		ND				20	
Chloroform	ND	0.25	0.50	"		ND				20	
Chloromethane	ND	0.25	0.50	"		ND				20	
2-Chlorotoluene	ND	0.25	0.50	"		ND				20	
4-Chlorotoluene	ND	0.25	0.50	"		ND				20	
Dibromochloromethane	ND	0.25	0.50	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"		ND				20	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0491 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/17/19 10:29

Duplicate (B9D0491-DUP1)	Source: 1901967-01		Analyzed: 04/17/19 16:39								
Dibromomethane	ND	0.25	0.50	ug/L		ND				20	
1,2-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,3-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,4-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
Dichlorodifluoromethane	ND	0.26	0.50	"		ND				20	
1,1-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,2-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,1-Dichloroethene	ND	0.25	0.50	"		ND				20	
cis-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
trans-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
1,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,3-Dichloropropane	ND	0.25	0.50	"		ND				20	
2,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,1-Dichloropropene	ND	0.25	0.50	"		ND				20	
cis-1,3-Dichloropropene	ND	0.25	0.50	"		ND				20	
trans-1,3-Dichloropropene	ND	0.25	0.50	"		ND				20	
Diisopropyl Ether	ND	0.25	0.50	"		ND				20	
Ethanol	ND	250	500	"		ND				20	
Ethyl t-Butyl Ether	ND	0.25	0.50	"		ND				20	
Ethylbenzene	ND	0.25	0.50	"		ND				20	
Hexachlorobutadiene	ND	0.25	0.50	"		ND				20	
4-Isopropyl Toluene	ND	0.25	0.50	"		ND				20	
Isopropylbenzene	ND	0.25	0.50	"		ND				20	
Methylene chloride	ND	0.35	0.50	"		ND				20	
Methyl-t-butyl ether	ND	0.25	0.50	"		ND				20	
Naphthalene	ND	0.25	0.50	"		ND				20	
n-Propylbenzene	ND	0.25	0.50	"		ND				20	
Styrene	ND	0.25	0.50	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"		ND				20	
Tetrachloroethene (PCE)	ND	0.25	0.50	"		ND				20	
Toluene	0.370	0.25	0.50	"		0.360			2.74	20	J
1,2,3-Trichlorobenzene	ND	0.25	0.50	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"		ND				20	
1,1,1-Trichloroethane	ND	0.25	0.50	"		ND				20	
1,1,2-Trichloroethane	ND	0.25	0.50	"		ND				20	
Trichloroethene (TCE)	ND	0.25	0.50	"		ND				20	
Trichlorofluoromethane	ND	0.25	0.50	"		ND				20	
1,2,3-Trichloropropane	ND	0.25	0.50	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"		ND				20	
Vinyl chloride	ND	0.25	0.50	"		ND				20	

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0491 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/17/19 10:29

Duplicate (B9D0491-DUP1)

Source: 1901967-01

Analyzed: 04/17/19 16:39

Xylenes (total)	ND	0.27	0.50	ug/L		ND				20	
TPH Gasoline (C4-C12)	ND	20	50	"		ND				20	
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			12.7	"	12.5		101	69-120			
Surrogate: 4-Bromofluorobenzene			14.4	"	12.5		115	79-125			

Matrix Spike (B9D0491-MS1)

Source: 1901947-02

Analyzed: 04/17/19 20:43

Benzene	9.56	0.25	0.50	ug/L	10.0	ND	95.6	70-141			
Chlorobenzene	9.64	0.25	0.50	"	10.0	ND	96.4	86-124			
1,1-Dichloroethene	9.86	0.25	0.50	"	10.0	ND	98.6	61-143			
Toluene	9.39	0.25	0.50	"	10.0	ND	93.9	66-135			
Trichloroethene (TCE)	9.93	0.25	0.50	"	10.0	ND	99.3	80-139			
Surrogate: Dibromofluoromethane			13.0	"	12.5		104	83-119			
Surrogate: Toluene-d8			12.6	"	12.5		101	69-120			
Surrogate: 4-Bromofluorobenzene			14.8	"	12.5		118	79-125			

Matrix Spike (B9D0491-MS2)

Source: 1901950-03

Analyzed: 04/17/19 21:10

TPH Gasoline (C4-C12)	341	20	50	ug/L	500	20.2	64.2	34-149			
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			13.5	"	12.5		108	69-120			
Surrogate: 4-Bromofluorobenzene			13.6	"	12.5		109	79-125			

Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/26/19 14:41

Blank (B9D0784-BLK1)

Analyzed: 04/26/19 15:57

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L							
Benzene	ND	0.25	0.50	"							
Bromobenzene	ND	0.25	0.50	"							
Bromochloromethane	ND	0.25	0.50	"							
Bromodichloromethane	ND	0.25	0.50	"							
Bromoform	ND	0.25	0.50	"							
Bromomethane	ND	0.25	0.50	"							
t-Butyl alcohol	ND	2.5	10	"							
n-Butylbenzene	ND	0.25	0.50	"							
sec-Butylbenzene	ND	0.25	0.50	"							
tert-Butylbenzene	ND	0.25	0.50	"							
Carbon tetrachloride	ND	0.25	0.50	"							
Chlorobenzene	ND	0.25	0.50	"							
Chloroethane	ND	0.25	0.50	"							
Chloroform	ND	0.25	0.50	"							
Chloromethane	ND	0.25	0.50	"							
2-Chlorotoluene	ND	0.25	0.50	"							
4-Chlorotoluene	ND	0.25	0.50	"							

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/26/19 14:41

Blank (B9D0784-BLK1)

Analyzed: 04/26/19 16:24

Dibromochloromethane	ND	0.25	0.50	ug/L
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"
Dibromomethane	ND	0.25	0.50	"
1,2-Dichlorobenzene	ND	0.25	0.50	"
1,3-Dichlorobenzene	ND	0.25	0.50	"
1,4-Dichlorobenzene	ND	0.25	0.50	"
Dichlorodifluoromethane	ND	0.26	0.50	"
1,1-Dichloroethane	ND	0.25	0.50	"
1,2-Dichloroethane	ND	0.25	0.50	"
1,1-Dichloroethene	ND	0.25	0.50	"
cis-1,2-Dichloroethene	ND	0.25	0.50	"
trans-1,2-Dichloroethene	ND	0.25	0.50	"
1,2-Dichloropropane	ND	0.25	0.50	"
1,3-Dichloropropane	ND	0.25	0.50	"
2,2-Dichloropropane	ND	0.25	0.50	"
1,1-Dichloropropene	ND	0.25	0.50	"
cis-1,3-Dichloropropene	ND	0.25	0.50	"
trans-1,3-Dichloropropene	ND	0.25	0.50	"
Diisopropyl Ether	ND	0.25	0.50	"
Ethanol	ND	250	500	"
Ethyl t-Butyl Ether	ND	0.25	0.50	"
Ethylbenzene	ND	0.25	0.50	"
Hexachlorobutadiene	ND	0.25	0.50	"
4-Isopropyl Toluene	ND	0.25	0.50	"
Isopropylbenzene	ND	0.25	0.50	"
Methylene chloride	ND	0.35	0.50	"
Methyl-t-butyl ether	ND	0.25	0.50	"
Naphthalene	ND	0.25	0.50	"
n-Propylbenzene	ND	0.25	0.50	"
Styrene	ND	0.25	0.50	"
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"
Tetrachloroethene (PCE)	ND	0.25	0.50	"
Toluene	ND	0.25	0.50	"
1,2,3-Trichlorobenzene	ND	0.25	0.50	"
1,2,4-Trichlorobenzene	ND	0.25	0.50	"
1,1,1-Trichloroethane	ND	0.25	0.50	"
1,1,2-Trichloroethane	ND	0.25	0.50	"
Trichloroethene (TCE)	ND	0.25	0.50	"
Trichlorofluoromethane	ND	0.25	0.50	"
1,2,3-Trichloropropane	ND	0.25	0.50	"

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Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/26/19 14:41

Blank (B9D0784-BLK1)

Analyzed: 04/26/19 16:24

1,2,4-Trimethylbenzene	ND	0.25	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.25	0.50	"							
Vinyl chloride	ND	0.25	0.50	"							
Xylenes (total)	ND	0.27	0.50	"							
TPH Gasoline (C4-C12)	ND	20	50	"							
Surrogate: Dibromofluoromethane			12.8	"	12.5		103	83-119			
Surrogate: Toluene-d8			12.1	"	12.5		96.9	69-120			
Surrogate: 4-Bromofluorobenzene			12.6	"	12.5		101	79-125			

LCS (B9D0784-BS1)

Analyzed: 04/26/19 14:09

Benzene	4.69	0.25	0.50	ug/L	5.00		93.8	79-132			
Chlorobenzene	4.99	0.25	0.50	"	5.00		99.8	83-130			
1,1-Dichloroethene	3.66	0.25	0.50	"	5.00		73.2	62-147			
Toluene	4.93	0.25	0.50	"	5.00		98.6	71-133			
Trichloroethene (TCE)	5.30	0.25	0.50	"	5.00		106	79-140			
Surrogate: Dibromofluoromethane			13.0	"	12.5		104	83-119			
Surrogate: Toluene-d8			12.6	"	12.5		101	69-120			
Surrogate: 4-Bromofluorobenzene			13.2	"	12.5		105	79-125			

LCS (B9D0784-BS2)

Analyzed: 04/26/19 15:03

TPH Gasoline (C4-C12)	324	20	50	ug/L	500		64.9	56-132			
Surrogate: Dibromofluoromethane			13.2	"	12.5		106	83-119			
Surrogate: Toluene-d8			12.9	"	12.5		104	69-120			
Surrogate: 4-Bromofluorobenzene			13.0	"	12.5		104	79-125			

LCS Dup (B9D0784-BSD1)

Analyzed: 04/26/19 14:36

Benzene	4.74	0.25	0.50	ug/L	5.00		94.8	79-132	1.06	20	
Chlorobenzene	4.94	0.25	0.50	"	5.00		98.8	83-130	1.01	20	
1,1-Dichloroethene	3.72	0.25	0.50	"	5.00		74.4	62-147	1.63	20	
Toluene	5.09	0.25	0.50	"	5.00		102	71-133	3.19	20	
Trichloroethene (TCE)	5.20	0.25	0.50	"	5.00		104	79-140	1.90	20	
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			13.0	"	12.5		104	69-120			
Surrogate: 4-Bromofluorobenzene			12.8	"	12.5		102	79-125			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/26/19 14:41

LCS Dup (B9D0784-BSD2)

Analyzed: 04/26/19 15:30

TPH Gasoline (C4-C12)	329	20	50	ug/L	500		65.9	56-132	1.47	20	
Surrogate: Dibromofluoromethane			13.1	"	12.5		104	83-119			
Surrogate: Toluene-d8			13.2	"	12.5		106	69-120			
Surrogate: 4-Bromofluorobenzene			13.0	"	12.5		104	79-125			

Duplicate (B9D0784-DUP1)

Source: 1902037-01

Analyzed: 04/26/19 17:19

t-Amyl Methyl Ether	ND	0.25	0.50	ug/L		ND				20	
Benzene	ND	0.25	0.50	"		ND				20	
Bromobenzene	ND	0.25	0.50	"		ND				20	
Bromochloromethane	ND	0.25	0.50	"		ND				20	
Bromodichloromethane	ND	0.25	0.50	"		ND				20	
Bromoform	ND	0.25	0.50	"		ND				20	
Bromomethane	ND	0.25	0.50	"		ND				20	
t-Butyl alcohol	ND	2.5	10	"		ND				20	
n-Butylbenzene	ND	0.25	0.50	"		ND				20	
sec-Butylbenzene	ND	0.25	0.50	"		ND				20	
tert-Butylbenzene	ND	0.25	0.50	"		ND				20	
Carbon tetrachloride	ND	0.25	0.50	"		ND				20	
Chlorobenzene	ND	0.25	0.50	"		ND				20	
Chloroethane	ND	0.25	0.50	"		ND				20	
Chloroform	ND	0.25	0.50	"		ND				20	
Chloromethane	ND	0.25	0.50	"		ND				20	
2-Chlorotoluene	ND	0.25	0.50	"		ND				20	
4-Chlorotoluene	ND	0.25	0.50	"		ND				20	
Dibromochloromethane	ND	0.25	0.50	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"		ND				20	
Dibromomethane	ND	0.25	0.50	"		ND				20	
1,2-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,3-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,4-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
Dichlorodifluoromethane	ND	0.26	0.50	"		ND				20	
1,1-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,2-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,1-Dichloroethene	ND	0.25	0.50	"		ND				20	
cis-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
trans-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
1,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,3-Dichloropropane	ND	0.25	0.50	"		ND				20	
2,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,1-Dichloropropene	ND	0.25	0.50	"		ND				20	
cis-1,3-Dichloropropene	ND	0.25	0.50	"		ND				20	

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307 Roemer Way, Suite 300, Santa Maria, CA 93454

Client Connect: client.oec.com/reports
www.oecusa.com

TEL: (805) 922-4772
FAX: (805) 925-3376



Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGCMS 04/26/19 14:41

Duplicate (B9D0784-DUP1)

Source: 1902037-01

Analyzed: 04/26/19 17:19

trans-1,3-Dichloropropene	ND	0.25	0.50	ug/L		ND					20
Diisopropyl Ether	ND	0.25	0.50	"		ND					20
Ethanol	ND	250	500	"		ND					20
Ethyl t-Butyl Ether	ND	0.25	0.50	"		ND					20
Ethylbenzene	ND	0.25	0.50	"		ND					20
Hexachlorobutadiene	ND	0.25	0.50	"		ND					20
4-Isopropyl Toluene	ND	0.25	0.50	"		ND					20
Isopropylbenzene	ND	0.25	0.50	"		ND					20
Methylene chloride	ND	0.35	0.50	"		ND					20
Methyl-t-butyl ether	ND	0.25	0.50	"		ND					20
Naphthalene	ND	0.25	0.50	"		ND					20
n-Propylbenzene	ND	0.25	0.50	"		ND					20
Styrene	ND	0.25	0.50	"		ND					20
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"		ND					20
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"		ND					20
Tetrachloroethene (PCE)	ND	0.25	0.50	"		ND					20
Toluene	ND	0.25	0.50	"		ND					20
1,2,3-Trichlorobenzene	ND	0.25	0.50	"		ND					20
1,2,4-Trichlorobenzene	ND	0.25	0.50	"		ND					20
1,1,1-Trichloroethane	ND	0.25	0.50	"		ND					20
1,1,2-Trichloroethane	ND	0.25	0.50	"		ND					20
Trichloroethene (TCE)	ND	0.25	0.50	"		ND					20
Trichlorofluoromethane	ND	0.25	0.50	"		ND					20
1,2,3-Trichloropropane	ND	0.25	0.50	"		ND					20
1,2,4-Trimethylbenzene	ND	0.25	0.50	"		ND					20
1,3,5-Trimethylbenzene	ND	0.25	0.50	"		ND					20
Vinyl chloride	ND	0.25	0.50	"		ND					20
Xylenes (total)	ND	0.27	0.50	"		ND					20
TPH Gasoline (C4-C12)	ND	20	50	"		ND					20
Surrogate: Dibromofluoromethane			13.4	"	12.5		107	83-119			
Surrogate: Toluene-d8			12.3	"	12.5		98.5	69-120			
Surrogate: 4-Bromofluorobenzene			12.9	"	12.5		104	79-125			

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Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D0784 - EPA 8260B/LUFT Preparation: EPA 5030B VOCGMS 04/26/19 14:41

Matrix Spike (B9D0784-MS1)

Source: 1902062-01

Analyzed: 04/26/19 23:36

Benzene	5.73	0.25	0.50	ug/L	5.00	ND	115	70-141			
Chlorobenzene	5.54	0.25	0.50	"	5.00	ND	111	86-124			
1,1-Dichloroethene	3.83	0.25	0.50	"	5.00	ND	76.6	61-143			
Toluene	5.66	0.25	0.50	"	5.00	ND	113	66-135			
Trichloroethene (TCE)	5.60	0.25	0.50	"	5.00	ND	112	80-139			
Surrogate: Dibromofluoromethane			13.3	"	12.5		106	83-119			
Surrogate: Toluene-d8			12.7	"	12.5		101	69-120			
Surrogate: 4-Bromofluorobenzene			13.8	"	12.5		111	79-125			

Matrix Spike (B9D0784-MS2)

Source: 1902062-03

Analyzed: 04/27/19 00:03

TPH Gasoline (C4-C12)	369	20	50	ug/L	500	ND	73.8	34-149			
Surrogate: Dibromofluoromethane			13.1	"	12.5		105	83-119			
Surrogate: Toluene-d8			11.5	"	12.5		91.9	69-120			
Surrogate: 4-Bromofluorobenzene			13.8	"	12.5		110	79-125			

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Oilfield Environmental & Compliance, Inc.

Rincon Consultants
180 N. Ashwood Ave.
Ventura CA, 93003

Project: Ortega Park
Project Number: 18-06506
Project Manager: Nico Navarro

WO & Reported:
1901967
04/29/2019 16:47

Notes and Definitions

R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

J Detected but below the RL/PQL; therefore, result is an estimated concentration.

MDL Method Detection Limit

RL Reporting Limit (Quantitation Limit)

ND Analyte NOT DETECTED at or above the method limit (MDL)

RPD Relative Percent Difference

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Oilfield Environmental and Compliance

307 Roemer Way Suite 300, Santa Maria, CA 93454

Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com

101 Adkisson Way, Taft, CA 93268

Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 7 of 7[illegible]

Page 1 of 1

Appendix C

Monitoring Well Permits

R015

MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	"Modification" means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019

Rec'd By: TMR

Permit #: A19140

W/P #: 0003951

P/E #: 4686

Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990

Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus

Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101

Street Number and Name City State / Zip Code

Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103

Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

Proposed Depth <u>10</u> ft. Well Bore Diam. <u>3.25</u> in. Screen Interval <u>5-10</u> ft bgs Sealing Material <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Well ID # <u>HP1XXXX</u>	<p style="text-align: center;">Casing Information</p> Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft. Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u> _____ If destruction by pressure grout, grout volume: _____
--	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens Julius Carstens 4-8-19
Print Name of Driller Signature of Driller Date

Lic. No.: 841350 Office Telephone 805-922-4772 Cell Phone: 805-570-4114

Business Name: Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CAGE State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature _____ Date _____

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus Cody Wilgus Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700 4/8/2019
Applicant (Print Name) Applicant's Signature Date

Signed [Signature] **APPLICATION DISPOSITION:** ☒ **Approved** ☐ **Denied**
Environmental Health Specialist Date 4/10/2019

FOR DEPARTMENT USE ONLY			
Fixed Fee Rec'd by: <u>TMR</u>	Date: <u>4/10/2019</u>	Amt. \$ <u>471.00</u>	<input type="checkbox"/> Cash <input type="checkbox"/> Check # <u>Visa</u>
Receipt No.: # <u>2120718</u>			
Permit Conditions: <u>NOTIFY EHS 48 HRS IN ADVANCE OF FIELD WORK</u>			
Final Construction Approved by: <u>[Signature]</u>		Date: <u>4/10/2019</u>	
Final Clearance by: <u>[Signature]</u>		Date: <u>4/10/2019</u>	



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19141
W/P #: 0003952
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
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|--|---|

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Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

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Street Number and Street Name City State/ Zip Code

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Proposed Depth <u>10</u> ft. Well Bore Diam. <u>3.25</u> in. Screen Interval <u>5-10</u> ft bgs Sealing Material <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Well ID # HP-1 <u>HP-2</u>	<p style="text-align: center;">Casing Information</p> Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft. Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u> _____ If destruction by pressure grout, grout volume: _____
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Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

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☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

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Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

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Applicant Signature _____

Date _____

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019

R015

MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	"Modification" means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019

Rec'd By: TMR

Permit #: A19142

W/P #: 0003953

P/E #: 4687

Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990

Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus

Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101

Street Number and Name City State / Zip Code

Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103

Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

Proposed Depth <u>10</u> ft. Well Bore Diam. <u>3.25</u> in. Screen Interval <u>5-10</u> ft bgs Sealing Material <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Well ID # XXXXXX <u>HP-3</u>	<p style="text-align: center;">Casing Information</p> Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft. Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u> _____ If destruction by pressure grout, grout volume: _____
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

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- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019

R015

MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	"Modification" means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019

Rec'd By: TMR

Permit #: A19143

W/P #: 0003954

P/E #: 4687

Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990

Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus

Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101

Street Number and Name City State / Zip Code

Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103

Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

Proposed Depth <u>10</u> ft. Well Bore Diam. <u>3.25</u> in. Screen Interval <u>5-10</u> ft bgs Sealing Material <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Well ID # XXXXXX <u>HP4</u>	<p style="text-align: center;">Casing Information</p> Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft. Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u> _____ If destruction by pressure grout, grout volume: _____
--	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

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- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019

R015

MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	"Modification" means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019

Rec'd By: TMR

Permit #: A19144

W/P #: 0003955

P/E #: 4687

Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
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6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990

Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus

Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101

Street Number and Name City State / Zip Code

Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103

Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

Proposed Depth <u>10</u> ft. Well Bore Diam. <u>3.25</u> in. Screen Interval <u>5-10</u> ft bgs Sealing Material <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete Well ID # <u>W01xxHP5</u>	<p style="text-align: center;">Casing Information</p> Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft. Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u> _____ If destruction by pressure grout, grout volume: _____
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

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☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019



COUNTY OF SANTA BARBARA

Environmental Health Services

X 2120718

Department

Date 4/09/2019

Received from GEORGE THOMPSON

In Payment of MW DESTROYION 1@ 471 & 7@ 157⁰⁰

ONE THOUSAND FIVE HUNDRED SEVENTY and xx 100 Dollars \$ 1,570⁰⁰

Received original of the above numbered receipt

CREDIT CARD

CASH

CHECK

✓ # 5971

BY PRONO

AC-147

SIGNATURE OF PAYOR

[Signature]

AUTHORIZED SIGNATURE

5419 SM ENVIRONMENTAL HEA
2125 CTRPOINTE PKY S 33
SANTA MARIA, CA 9345513
04/09/2019 15:06:12
MID: XXXXXXXXXXXX310 TID: XXXXX806

CREDIT CARD
VISA SALE

Card # Token XXXXXXXXXXXX5971
SEQ #: 1
Batch #: 645
INVOICE 1
Approval Code: 024765
Entry Method: Manual
Mode: Online
Tax Amount: \$0.00
Cust Code: NZ
Ans Code:

SALE AMOUNT \$1570.00

I agree to pay above total amount
according to card issuer agreement.
(Merchant agreement if Credit Voucher)

X

MERCHANT COPY



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
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FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19145
W/P #: 4687
P/E #: 0003956
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
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Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1RB15</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

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Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

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(Complete 'A' or 'B')

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Applicant Signature Julius Carstens

Date 4-8-19

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Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19146
W/P #: 0003957
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # RB-0015 <u>RB-2</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

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- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19147
W/P #: 0003958
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1-RB15 RB-3</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens
Print Name of Driller

Julius Carstens
Signature of Driller

4-8-19
Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier CA State Compensation Fund Ins Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

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- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.
- ❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:06:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed [Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd by: MCB Date: 4/10/2019 Amt. \$ 157.00 ☐ Cash ☐ Check # Visa

Receipt No.: 2120718

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR Date: 4/10/2019

Final Clearance by: TMR Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19148
W/P #: 0003959
P/E #: 4687
Hazmat Site #: NA

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1-RB15 RB-4</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

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- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19149
W/P #: 0003960
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
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Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
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Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

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Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
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Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1 RB15</u> RB1 RB15 <u>RB-5</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
--	---

LEGAL DECLARATION

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Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

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Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

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Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19150
W/P #: 0003961
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # RB-6 <u>RB-6</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
--	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19151
W/P #: 0003962
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1-RB15RB-7</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>If destruction by pressure grout, grout volume: _____</p>
--	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature _____

Date _____

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

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- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019

MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT *(Please check the appropriate box below)*

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	"Modification" means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

** An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.*

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19152
W/P #: 0003963
P/E #: 4687
Hazmat Site #: NA

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures.
5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address:	PO Box 1990, Santa Barbara, California 93102-1990		
	Street Number and Street Name	City	State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus

Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101

Mailing Address:			
Street Number and Name	City	State / Zip Code	

Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103			
Street Number and Street Name		City	State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

Proposed Depth <u>4</u> ft.	<u>Casing Information</u>	
Well Bore Diam. <u>3.25</u> in.	Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____	
Screen Interval <u>0-4</u> ft bgs	Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.	
Sealing Material	Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u>	
<input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay	_____	
<input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete	_____	
Well ID # <u>RB1-RB15 RB-8</u>	If destruction by pressure grout, grout volume: _____	

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

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☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

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❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No.: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
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FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19153
W/P #: 00003964
P/E #: 4687
Hazmat Site #: NA

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
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Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
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Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # RB1-RB15 <u>RB-9</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
--	---

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Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

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Cell Phone: 805-570-4114

Business Name:

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Applicant Signature Julius Carstens

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Applicant Signature _____

Date _____

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19154
W/P #: 00003965
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1 RB15</u> XXXXXX <u>RB-10</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No.: # N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19155
W/P #: 0003967
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
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OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # RB1-RB15 <u>RB-11</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature

Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

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❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19156
W/P #: 0003967
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596
Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # RB1-RB15 <u>RB-12</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>_____</p> <p>_____</p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

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Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

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Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

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Applicant Signature _____

Date _____

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4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



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FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19157
W/P #: 0003968
P/E #: 4687
Hazmat Site #: NA

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Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
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Signature of Driller

4-8-19

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Date

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When signed by the Hazardous Materials Specialist or Professional Geologist, this application shall be deemed a permit only for the work described and is not a "permit for development" as that term is used in the California Subdivision Map Act. Please note additional permits (e.g., electrical installation, waste discharge requirements, land use clearance, grading, Santa Barbara City well permits) may also be required from other agencies. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to well construction, repair, modification, destruction and inactivation. The property owner, well driller, or agent will furnish EHS a copy of a completed well log upon completion of well construction, destruction, or modification.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS / FINAL CLEARANCE: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Hazardous Materials Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The sealing of the annular space on a well;
- ✓ The destruction of wells;
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

❖ **Final clearance of the well will be issued upon receipt of the driller's well log.**

Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed

[Signature]

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



MONITORING WELL PERMIT APPLICATION

TYPE OF PERMIT (Please check the appropriate box below)

<input type="checkbox"/> Construction or Modification	\$629 (4 hrs) * first well \$157 additional well	“Modification” means the deepening of a well, reperforation, sealing or replacement of well casing – construction of one completed well.
<input checked="" type="checkbox"/> Well Destruction	\$471 (3 hrs) * first well \$157 additional well	Abandonment – Complete filling of the well

FOR OFFICE USE ONLY

Rec'd Date: 4/9/2019
Rec'd By: TMR
Permit #: A19158
W/P #: 0003969
P/E #: 4687
Hazmat Site #: NA

* An hourly rate fee of \$157 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- | | |
|--|---|
| 1. Property lines
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures. | 5. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of the proposed well
6. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable |
|--|---|

OWNER INFO:

Well Owner Name (Required): City of Santa Barbara Primary Phone (805) 564-5596

Owner Mailing Address: PO Box 1990, Santa Barbara, California 93102-1990
Street Number and Street Name City State/ Zip Code

Complete this section if the person coordinating this project is other than the Well Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Cody Wilgus
Mailing Address: 209 East Victoria Street, Santa Barbara, California 93101
Street Number and Name City State / Zip Code
Primary Phone: (805) 644 - 4455 Email: cwilgus@rinconconsultants.com

WELL INFO:

Well Location: Ortega Park, 604 East Ortega Street, Santa Barbara, California 93103
Street Number and Street Name City State/ Zip Code

Well Location's Assessor's Parcel Number (APN): 0 3 1 - 1 7 2 - 0 0 2

Well Use: ☒ Ground Water Monitoring ☐ Vapor ☐ Other _____

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ☒ Direct Push ☐ Other _____

<p>Proposed Depth <u>4</u> ft.</p> <p>Well Bore Diam. <u>3.25</u> in.</p> <p>Screen Interval <u>0-4</u> ft bgs</p> <p>Sealing Material</p> <p><input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Clay</p> <p><input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete</p> <p>Well ID # <u>RB1-RB15RB-14</u></p>	<p style="text-align: center;">Casing Information</p> <p>Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____</p> <p>Wall Thickness <u>0.113</u> Diameter <u>0.75</u> in. Annular Seal Depth _____ ft.</p> <p>Additional Work Description <u>Advance sampling tool to groundwater, collect grab sample</u></p> <p>If destruction by pressure grout, grout volume: _____</p>
---	---

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

Julius Carstens

Print Name of Driller

Julius Carstens

Signature of Driller

4-8-19

Date

Lic. No.: 841350

Office Telephone 805-922-4772

Cell Phone: 805-570-4114

Business Name:

Address

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier State Compensation Ins Fund

Policy No. 921249918

Applicant Signature Julius Carstens

Date 4-8-19

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature _____

Date _____

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Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.08 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

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Date: 4/10/2019

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Date: 4/10/2019



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FOR OFFICE USE ONLY

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Permit #: A19159
W/P #: 0003969
P/E #: 4687
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Print Name of Driller

Julius Carstens

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4-8-19

Date

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Signed Cody Wilgus

Cody Wilgus

Digitally signed by Cody Wilgus
Date: 2019.04.09 15:05:04 -0700

4/8/2019

Applicant (Print Name)

Applicant's Signature

Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____

4/10/2019

Environmental Health Specialist

Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: MCB Date: 4/10/2019 Amt. \$ No Fee ☐ Cash ☐ Check # N/A

Receipt No. #: N/A

Permit Conditions: Notify EHS 48 hours in advance of fieldwork

Final Construction Approved by: TMR

Date: 4/10/2019

Final Clearance by: TMR

Date: 4/10/2019



COUNTY OF SANTA BARBARA

Environmental Health Services

X 2120718

Department

Date 4/09/2019

Received from GEORGE THOMPSON

In Payment of MW DESTROYION 1@ 471 & 7@ 157⁰⁰

ONE THOUSAND FIVE HUNDRED SEVENTY and xx 100 Dollars \$ 1,570⁰⁰

Received original of the above numbered receipt

CREDIT CARD

✓ # 5971

CASH

CHECK

BY PRONO

AC-147

SIGNATURE OF PAYOR

[Signature]

AUTHORIZED SIGNATURE

5419 SM ENVIRONMENTAL HEA
2125 CTRPOINTE PKY S 33
SANTA MARIA, CA 9345513
04/09/2019 15:06:12
MID: XXXXXXXXXXXX310 TID: XXXXX806

CREDIT CARD
VISA SALE

Card # Token XXXXXXXXXXXX5971
SEQ #: 1
Batch #: 645
INVOICE 1
Approval Code: 024765
Entry Method: Manual
Mode: Online
Tax Amount: \$0.00
Cust Code: NZ
Ans Code:

SALE AMOUNT \$1570.00

I agree to pay above total amount
according to card issuer agreement.
(Merchant agreement if Credit Voucher)

X

MERCHANT COPY

Appendix D

Ortega Park – Master Plan



DESIGN KEY

GENERAL PARK IMPROVEMENTS

- 1 EXISTING BIKE PATH
- 2 EXISTING PARKWAY & STREET TREES
- 3 EXISTING TREES TO REMAIN WITH OPEN LAWN
- 4 DECORATIVE FENCE WITH PILASTERS
- 5 ANGLED PERMEABLE PARKING WITH SIDEWALK
- 6 STREET TREE WITH TREE GRATE
- 7 COTA STREET PARK PROMENADE
- 8 OPEN GRASS AREA
- 9 PLANTER AREA
- 10 BIORETENTION AREA
- 11 PILASTERS WITH ROLLING GATE
- 12 PILASTERS WITH SWING GATE
- 13 ENTRY PLAZA WITH ENTRY SIGN
- 14 HEAD-IN PERMEABLE PARKING SPACES
- 15 TEMPORARY POP-UP TENTS
- 16 PARK RESTROOMS

POOL AREA - 26,870 SQUARE FEET

- 17 POOL FACILITIES BUILDING
- 18 AQUATIC MECHANICAL AND CHEMICAL BUILDING
- 19 EXISTING WELCOME HOUSE & POOL ENTRY
- 20 WET PLAY / WADING POOL
- 21 POOL SLIDE / PLAY FEATURE
- 22 NON-COMPETITIVE LAP POOL
- 23 EXISTING WELL TO REMAIN
- 24 OVERHEAD SHADE STRUCTURE
- 25 MURAL LOCATION

SKATE PLAZA - 8,000 SQUARE FEET

- 26 SPECTATOR AREA
- 27 ENTRY FROM PARK
- 28 SKATE ELEMENTS

PLAYGROUND - 6,280 SQUARE FEET

- 29 DROUGHT TOLERANT PLANTING WITH DG
- 30 SPLASH PAD FEATURE IN PLAZA
- 31 BBQ AREA (RESERVABLE)
- 32 COLORIZED RUBBER SURFACING
- 33 FAMILY PICNIC AREA WITH SHADE SAILS
- 34 PLAY EQUIPMENT (2-5 YEARS, 5-12 YEARS)

MULTI-GENERATIONAL ACTIVITY ZONE - 11,760 SQUARE FEET

- 35 LOW SEAT WALLS WITH DG
- 36 BASKETBALL
- 37 CONCRETE CORNHOLE
- 38 DURABLE OUTDOOR PING PONG TABLES
- 39 BOCCE BALL COURT

MULTI-SPORT FIELD AREA - 86,500 SQUARE FEET

- 40 MULTI-SPORT SYNTHETIC TURF WITH LIGHTING
- 41 BASEBALL BACKSTOP
- 42 SOCCER FIELD PROMENADE
- 43 YOUTH BASEBALL STRIPING ON SYNTHETIC TURF
- 44 SECONDARY PEDESTRIAN ENTRANCE
- 45 FIELD ENTRANCE WITH SLIDING GATE & PILASTERS
- 46 LOW DECORATIVE FENCE



ORTEGA PARK - MASTER PLAN

SANTA BARBARA, CA.
PARK SIZE: 9.5 ACRES

0' 10' 20' 40' 80'
SCALE 1" = 20' SEPT 2018



Appendix E

Photo Figure

Ortega Park, 604 East Ortega Street, Santa Barbara, California
Phase II Environmental Site Assessment



Photograph 1. View of the restroom building and youth softball field, facing southwest.



Photograph 2. View of the swimming pool area and southwest perimeter of the park along Salsipuedes Street, facing southeast.



Photograph 3. View of the playground, facing northeast.



Photograph 4. View of the community building and basketball courts, facing northwest.



Photograph 5. View of boring location RB1 and northeast adjacent Santa Barbara Junior High School, facing northeast.



Photograph 6. View of boring location RB12 and the southwest corner of the park at Salsipuedes Street and East Cota Street.