PHASE II ENVIRONMENTAL SITE ASSESSMENT

of an

INDUSTRIAL PROPERTY
890 N. MCDOWELL BOULEVARD & 320 CORONA ROAD
PETALUMA, CALIFORNIA 94954

Prepared for:

Lomas Partners
13848 Weddington Street
Sherman Oaks, California 91401

Prepared by:

P.O. Box 904
Clayton, California 94517

(877) 563-4300 (toll free)

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Executive Summary

This report presents the results of a Phase II Environmental Site Assessment of an industrial property located at the southeastern corner of McDowell Boulevard and Corona Road in northern Petaluma, California. The subject property is an approximately 6.56-acre parcel of land located to the west of a railroad right-of-way, between McDowell and the railroad. The subject property was previously used as a feed mill facility from at least the 1940s through the early 1980s. The mill structures were destroyed by fire in the 1980s. The property has more recently been utilized by a wooden truss construction company and for truck parking purposes. Truck fueling and minor truck maintenance operations have also been conducted at the site.

Background

The site is being considered for future use for multi-family residential development and a parking lot/station for the Sonoma Marin Area Rapid Transit (SMART) system. In 2010/2011, SMART began environmental assessment of the subject property as part of its potential use as parking lot/light rail station. Consultants retained by SMART completed a Phase I Environmental Site Assessment (Phase I or ESA) and limited subsurface assessments. This work discovered the presence of petroleum hydrocarbons and the fuel additive 1,2-dichloroethane (1,2-DCA) in portions of the subject property. No additional assessments of the subject property were conducted following completion of those initial environmental assessments.

In December 2016, Lomas Partners, a potential purchaser of the subject property, retained Pinnacle Environmental, Inc. (PEI), to assess the site and evaluate the potential for future environmental concerns. PEI completed a Phase I ESA of the site in March 2017. Interviews conducted as part of the ESA indicated the potential for buried burned building debris in the northern portion of the site, near the railroad right-of-way in the area of the former mill buildings. PEI also observed the areas in the central portion of the site, near a former truck fueling facility and near an inactive domestic water supply well, where subsurface impacts were previously reported in the 2010/2011 subsurface investigations. In addition to the foregoing, PEI assessed the southern portion of the property to evaluate its potential use by SMART as a parking lot for the proposed light rail station. Subsequent assessment efforts refer to the three areas of the site as the Northern Portion (Former Mill Structures), the Southern Portion (undeveloped), and Central Portion (AST Compound and Truck Scale). Assessment activities, findings and conclusions associated with these three areas are summarized below.

Northern Portion - Former Mill Structures

In order to assess locations of potential buried debris and possible environmental impacts, PEI contracted with a geophysical survey company to complete a survey of the northern portion of the site. The surveyor laid out a grid over the area of the site that was formerly occupied by two mill buildings and a large grain elevator structure between them. The survey identified several geophysical anomalies within this area. Following completion and receipt of the geophysical

survey results, PEI conducted a test pit investigation at the approximate locations of the detected anomalies. Several test pit excavations indicated areas of building debris (e.g., burned wood, metal, concrete) up to depths of 7 feet below ground surface (bgs), as well as some areas where soil staining and hydrocarbon odors were noted. Laboratory data of field screened soils indicated low concentrations of petroleum hydrocarbons and metals; however, no significant widespread indications of releases or hazardous substance disposal were observed in areas investigated via the test pits. These results indicate isolated areas of buried building debris and that lightly impacted soils will likely be encountered during future development grading. As such, a soil and groundwater management plan (SGMP) is recommended to be completed prior to implementing these activities.

Central Portion – AST and Truck Scale

Data collected during 2010/2011 assessment indicated petroleum hydrocarbon and 1,2-DCA impacts in the central portion of the subject property. To further assess these reported impacts, in June 2017 PEI installed eight groundwater monitoring wells (MW-1 to MW-8) and six soil borings (SB-1 to SB-6) in this area of the site. The monitoring wells were sampled in June and September 2017. The depth-to-groundwater measurements from the two monitoring events have ranged from approximately 6 to 7.5 feet below ground surface (bgs), and a southerly groundwater flow direction was computed in both monitoring events.

In June 2017, groundwater sample analyses from wells MW-4, -5 and -6 detected 1,2-DCA concentrations exceeding that compound's California maximum contaminant level (CaMCL)for drinking water (0.5 µg/L). Subsequent groundwater sampling analyses of monitoring wells MW-1 to MW-8 in September 2017 indicated the presence of 1,2-DCA in two wells, MW-4 and MW-5, at concentrations exceeding the 1,2-DCA CaMCL. No 1,2-DCA was detected in the MW-6 sample in September whereas the concentration in June was 6.77 µg/L. The 1,2-DCA impact appears to be localized on the site, with significantly reduced or non-detectable concentrations noted in downgradient wells.

In order to better assess a potential source of impacted groundwater, PEI conducted a shallow soil vapor and soil matrix survey in September 2017. The survey included the installation of 20 shallow borings to a depth of approximately 8 feet bgs, with installation of temporary soil vapor sampling probes at approximately 5 feet bgs. The soil vapor data indicated a potential source of petroleum hydrocarbon impacts in the area located north of the former fueling facility ASTs. Soil vapor analyses from probes in SV-1 and SV-2 detected concentrations of benzene that exceed residential screening levels. No 1,2-DCA was detected in soil vapor.

Soil matrix results from samples analyzed from soil borings advanced in June 2017 indicated no concentrations of petroleum hydrocarbons or VOCs. Soil results from soil samples analyzed from soil borings advanced in September 2017 consisted of one minor detection of TPH in the gasoline range (TPHg), four detections of TPH in the diesel range (TPHd), and one minor detection of both ethylbenzene and xylenes. With the exception of one detection of TPHd, the concentrations of these compounds were below Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for soils in a residential setting. Thus, soil sample analytical results from both the June and September phases of investigation indicated no significant source of hydrocarbons or 1,2-DCA to groundwater.

Due to the proposed residential development of the subject property, petroleum hydrocarbon-impacted soils will require excavation and removal from the subject property. This task will be accomplished subsequent to proper destruction and abandonment of the on-site domestic water supply water well and demolition of existing surface structures (e.g., truck scale and associated buildings). Soil excavation, screening for contaminant levels, and off-site transportation and disposal will be completed under the specifications of a Soil Management Plan to be prepared prior to field activities. Additionally, based on groundwater data collected to date, two additional quarterly rounds of groundwater monitoring are recommended to further assess groundwater concentrations.

Southern Portion - Undeveloped

The southern portion of the property, south and east of the truss fabrication metal building, is an area that is being evaluated for placement of a parking structure to be constructed for the proposed SMART light rail station. Historical records reviewed indicated no historical structures or areas of significant industrial use on this portion of the property. Records indicate this area was used primarily for truck parking. PEI collected 10 shallow soil samples at approximately 6 inches below ground surface (bgs) at selected locations around the perimeter of this area; these samples were analyzed for TPHcc, VOCs, metals, and SVOCs. The analytical data indicated four sample locations with shallow soil impacts consistent with motor oil surface spills. Soil samples subsequently collected from 2.5 feet bgs at these locations contained no contaminant concentrations above regional screening levels. The analytical data indicated no significant releases of constituents of concern within this area of the site other than surficial heavy hydrocarbon releases (i.e., motor oil releases from historical truck parking). As such, this area of the property does not warrant the need for additional environmental assessment. Future development of this portion of the property should not be precluded. However, because petroleum-hydrocarbon-impacted soils may be encountered during redevelopment activities in this portion of the site, soil grading and moving activities should be conducted under a Soil Management Plan, prepared prior to implementation of site redevelopment activities.

1.0 Introduction

Lomas Partners (Client) retained Pinnacle Environmental, Inc. (PEI), to perform due diligence assessment activities for the property located at 890 North McDowell Boulevard in Petaluma, California ("subject property" or "site"). The subject property consists of an approximately 6.56-acre parcel of land located on the west side of a railroad right-of-way. The site is being considered for future use for multi-family residential development and a parking lot/station for the Sonoma Marin Area Rapid Transit (SMART) system.

The site is currently occupied by several businesses related to trucking and transportation including Moga Transportation, Inc. (Moga) (a refrigerated dairy trucking company), and AJR Trucking (a postal contractor). Recent previous site tenants included Jim Todorovitch Paving and Walt Price Truss Company. Several older buildings exist on the site including the following (generally from northwest to southeast):

- a small office building and adjoining restroom/shower locker room (addressed 320 Corona Road, occupied by Moga);
- an approximately 1,650-square-foot rectangular corrugated metal warehouse/garage building (locked, occupant unknown);
- an open sided truck repair building with attached masonry shed (locked, signage indicates Carlos Truck Repair);
- a well house shed covering an on-site groundwater production well; and
- an approximately 3,000-square-foot rectangular corrugated warehouse and office (previously occupied by Walt Price Truss Company)

Historically, the site was developed prior to 1942 with at least three industrial structures along the northern portion of the site that were utilized by a feed mill (initially Pacific Guano). Additional smaller structures were added to the central portion of the property in the 1970s. The large industrial buildings were not visible in a 1993 aerial photograph due to an apparent fire that was reported at the subject property and that caused the razing of the structures prior to 1993. Since the 1990s, the subject property has primarily been used for trucking related businesses. Most of the neighboring properties were agricultural land with scattered residences from the 1940s through 1970s. Increasing commercial and residential development was noted from the 1970s to present.

Prior environmental assessments were completed in 2010 and 2011 on behalf of SMART, which included a Phase I ESA (Camp Dresser & McGee [CDM]) and Phase II Soil and Groundwater Investigations (Kleinfelder). The Phase II investigations discovered sporadic soil and

groundwater petroleum hydrocarbon impacts in the northern and central portions of the site, which included detections of 1,2-dichloroethane (1,2-DCA) in several grab-groundwater samples. The results were not reported to regulatory agencies.

Upon review of the above assessments, PEI completed additional environmental site assessment activities at the subject property include the following:

- Phase I Environmental Site Assessment (February 2017)
- Geophysical Survey of Northeastern Portion with Trenching/ Potholing (March 2017)
- Subsurface Soil and Groundwater Assessment (May/June 2017)
- Soil Vapor Survey & Shallow Soil Sampling (September 2017)
- Third Quarter 2017 Groundwater Monitoring (September 2017)

The purpose of the above assessments was to further evaluate subsurface impacts discovered in prior investigations and attempt to locate other areas of environmental impacts that might require regulatory interaction for approval of the proposed development of the site. The scope, findings, and conclusions associated with the above assessments completed by PEI are detailed in the ensuing sections of this report.

For ease of discussion, this report divides the subject property into three distinct areas of assessment. Those areas and the rationale for their distinction are discussed below:

Northern Portion – Former Mill Structures

Historically, the northern portion of the subject property was occupied by large feed mill structures located to the west of the railroad right-of-way from the 1940s through 1980s. The operations within this mill structure are largely unknown. Interviews indicated the possibility that portions of the burned down structures were buried on the property.

Central Portion – Above Ground Storage Tank (AST) & Truck Scale

Based on subsurface assessments completed by Kleinfelder in 2010/2011, soil and groundwater at the property were noted as impacted with petroleum hydrocarbons and the volatile organic compound (VOC) 1,2-DCA. This area of the site was a former a cardlock truck fueling operation with pressurized subsurface piping. The pressurized subsurface piping has been assumed to be the likely the source for the previously detected subsurface impacts.

Southern Portion – Undeveloped

This portion of the property has been historically undeveloped and is currently used for truck parking. This area is the potential location of SMART parking facilities. Due to limited historical activities of environmental concern in this area, this area is being considered as a potential area of a "lot split". As such, the Client desires this portion of the property to be considered for "no further action" for environmental impacts while other portions of the site continue to be investigated and remediated (as necessary), with regulatory review.

2.0 Site Description & Background

2.1 Site Identification/Location

The subject property consists of an approximate 6.56-acre parcel of land located at the northeast corner of the intersection of McDowell Boulevard and Corona Road, within a commercial and residential area. The site is addressed as 890 North McDowell Boulevard; however, additional addresses associated with the subject property include 320 Corona Road and 910 North McDowell Boulevard. A site vicinity topographic map for the subject property is shown on **Figure 1**. A site vicinity aerial photograph is included as **Figure 2**. A site plan of the subject property is included as **Figures 3 & 4**.

The site is bordered by the following:

North	Immediately by Corona Road, then by a paved parking lot for a U.S. Post Office, then by a commercial-use property.
East	Immediately by a railroad right-of-way, then by a residence (northwest), vacant pasture land (north and northeast), then farther by a light industrial facility (Beauchamp's Welding, 360 Corona).
South	Immediately by drainage culvert, then by a vacant parcel (fronting McDowell) and single family dwellings.
West	Immediately by McDowell Boulevard, then by an automotive repair (297 Corona) and muffler businesses (967 McDowell), residence, and mobile home park (911 McDowell).

2.2 Site Background

Prior environmental assessments from 2010/2011 were completed on behalf of SMART in evaluation of the property as a possible train station and parking lot.

2.2.1 Camp Dresser & McGee Phase I ESA (February 2010*)*

In February 2010 Camp Dresser & McKee (CDM) completed at Phase I Environmental Site Assessment (ESA) for SMART. The following information on the subject property was presented in the CDM ESA report:

Historical Occupants

Royal Petroleum – Previously operated a commercial card-lock fueling facility at the site. Three ASTs containing diesel were located within a low-bermed concrete containment structure. The ASTs were plumbed via underground piping to dispensers

on the south side of the structure. In 2005, the dispensers were removed and the tanks cleaned and degassed. No records were found to document subsurface piping removal and/or soil and groundwater sampling following AST removal.

Stringer Sportswear - Manufactured unspecified items. Stringer Sportswear reportedly released process water to the subsurface through release to the City storm drain. The process waste water was reportedly to be re-routed to an existing septic tank. The nature (i.e., chemical constituents, if any) of the process water and the location of the septic tank were not reported.

Pacific Guano Company (1958-159) – Presented a potential for releases of fertilizer or fertilizer ingredients.

V Dolan Trucking Company (320 Corona Road) – Listed as a generator of non-RCRA hazardous waste. Details of hazardous material use and disposal were not reported.

On-Site Observations

Two oil burning furnaces - CDM reported of a potential for the presence of an underground storage tank (UST) related to these furnaces. The furnace and evidence of a UST were not observed by PEI during its 2017 Phase I ESA.

Truck scale - There are four manholes associated with the truck scale that potentially indicate a chamber containing a hydraulic lift mechanism.

Water well - A potable water well adjacent to the former ASTs and dispensers is a potential vertical conduit for surface spills to reach groundwater.

Lumber operations – The southern portion of the property was used for lumber operations that may have involved the use of wood preservatives and spray paint.

CDM recommended further investigation including limited soil and groundwater sampling, as well as a survey for lead-based paint and asbestos containing material (ACM) in the onsite buildings.

2.2.2 Kleinfelder Phase II (September 2010)

Subsequent to the Phase I ESA by CDM, Kleinfelder Inc (Kleinfelder) was retained by SMART to complete a Phase II ESA on the subject property. The scope of work was based on the CDM report and included 10 soil borings on the subject property, including five borings to 5 feet below ground surface (bgs) and five borings to 25 feet bgs using direct push sampling methodologies. Groundwater was encountered and sampled in the 25-foot soil borings. 36 soil and five groundwater samples were submitted for laboratory analysis for: total petroleum hydrocarbons for gasoline and diesel range organics (total petroleum hydrocarbons as gasoline and diesel [TPH-g and TPH-d, respectively]);

VOCs and fuel oxygenates via EPA test method 8260; Leaking Underground Fuel Tank (LUFT) metals: chromium (Cr), cadmium (Cd), lead (Pb), nickel (Ni), and zinc (Zn) by EPA test method 6010; Creosote by EPA test method 8270; and Herbicides by EPA test method 8151. Kleinfelder noted strong petroleum odors from soil in their boring B-4, located northeast of the former AST compound, from a depth of 5 to 20 feet bgs.

Soil concentrations of TPH in the gasoline and diesel range were noted in several of the borings. TPH as motor oil was detected several borings. Chlorinated herbicides and creosote were not detected.

Groundwater impact was discovered in four of the five grab-groundwater samples. Of these groundwater samples, the grab-groundwater sample from boring B-4 (W-4) reported concentrations of TPH-g, naphthalene, ethylbenzene, and xylenes

Based on the data, Kleinfelder recommended additional investigation to assess the extent of petroleum hydrocarbon impacts. Kleinfelder also recommended sampling in the area of the southwest corner of the property.

2.2.3 Kleinfelder Phase II (January 2011)

Kleinfelder completed five additional borings (borings B-11 to B-15) in November 2010 using direct push methodologies. Twenty-five soil samples and five groundwater samples were collected from each of the five borings. Samples were analyzed for TPH-g, TPH-d, MTBE, VOCs, and LUFT 5 metals (Cd, Cr, Pb, Ni, and Zn). Petroleum hydrocarbon odors were noted in borings located northeast and southeast of the former AST compound.

Concentrations of 1,2-dichloroethane (1,2-DCA) were noted in soil samples greater than 15 feet. 1,2-DCA was also noted in grab-groundwater samples in several borings, with one sample indicating anomalously high concentrations (e.g., 170 micrograms per liter [ug/L] in boring B-13).

TPH-d was noted in a grab-groundwater sample collected near the western corner of the site at a concentration of 500 ug/L. Kleinfelder presumed this detection was related to a LUFT case: J&D Automotive at 278 Corona Road, located southwest of the western corner of the site. TPH-d was not detected in other on-site grab-groundwater samples.

Concentrations of nickel and cobalt were noted in some water samples at concentrations above ESLs.

Kleinfelder recommended SMART and the property owner approach Sonoma County Department of Environmental Health and/or San Francisco Bay Regional Water Quality Control Board to assess the need for cleanup action of the groundwater at the subject property.

2.2.4 Pinnacle Phase I ESA – (March 2017)

Prior to subsurface assessment activities, PEI completed a Phase I ESA on the subject property. Recognized environmental conditions and other potential environmental issues noted during the assessment included the following:

- PEI's research indicated the subject property was initially developed prior to 1942 with industrial uses. City directories indicate the property was occupied by the Corona Feed Mill in 1965. Earlier city directories do not list Corona Road or McDowell Boulevard. According to the 2010 Phase I ESA, the property was previously occupied by the Pacific Guano Company in 1949 to 1959 (no information source was provided). According to PEI's research, Pacific Guano Feed Company operated in Petaluma. A 1973 aerial photograph indicates the feed mill received raw grain from a railroad spur that came onto the property. Typically, a feed mill operation includes grain elevators and silos, and a steam process that compresses ground feed into pellets. PEI observed evidence of grain silos and elevators in a 1973 aerial photograph. Building permits and process information for the historic feed mill are very limited from the city of Petaluma or Sonoma County for the subject property addresses. It is unknown how steam was produced (e.g., typically boilers fired by fuel), or what hazardous materials were used or waste generated from these operations. The two buildings associated with the feed mill burned down in separate fires. According to interviews with persons familiar with the property, the related building debris was reportedly buried on-site. Buried building materials have the potential for treated wood (creosote) and metal impacts (lead based paint), as well the possibility of poly-nuclear aromatic hydrocarbons (PNAs) generated from combustion. It is unknown whether underground vaults, storage tanks, or septic systems currently exist or were abandoned properly. This is a data gap which, if filled, can impact the conclusions of this report. Based on the unknowns associated with former feed facility, a geophysical survey was recommended for the northwestern portion of the subject property to evaluate whether buried debris or other anomalies exist on-site.

- Building department records indicate a fuel pump and well were permitted for the address 320 Corona in 1964. No additional records were available related to possible USTs or their contents associated with the subject property. This is a data gap which, if filled, can impact the conclusions of this report. Fire department records indicate that a cardlock diesel fuel facility was permitted at the subject property in 1992 that included ASTs for diesel. This facility was closed in 2005. A photograph from the early-1980s indicates a fuel depot and other ASTs were previously located on the property. Based on the Phase II investigations completed by Kleinfelder in 2010 and 2011, soil and groundwater beneath the subject property in the area of the former ASTs were impacted with gasoline related constituents (e.g., BTEX, 1,2-DCE and 1,2-DCA). Former fueling activities and resulting soil and groundwater impacts are a recognized environmental condition and a vapor encroachment condition. Additional assessment was recommended to evaluate these issues.

- The subject property has been used for trucking related business which included truck maintenance, painting and sandblasting, since at least the early 1980s. Recent truck repair operations have occurred at the subject property that has resulted in surficial staining with heavy petroleum hydrocarbons. This is a recognized environmental condition.

- A masonry boiler room was noted near the western border of the subject property. Due to miscellaneous debris in and around the room, ground surfaces were not readily observable. There are no records at the city of Petaluma or Sonoma County related to this boiler room or how it was fueled (although a gas meter was noted nearby). This is a data gap that, if filled, can impact the conclusions of this report.

- An approximately 1,650-square-foot metal garage/warehouse was locked and inaccessible during the site visit. This structure had sliding door entrances indicating the potential for historic equipment service and repair. An early 1980s photograph indicates the building was occupied by Tom Rose Trucking. The lack of access to this building and other structures on the property is a data gap that, if filled, can impact the conclusions of the report.

2.3 Geology and Hydrogeology

The subject property is located in the Petaluma Valley, part of the northern California Coast Ranges Geomorphic Province, comprised of northwest-trending mountain ranges and valleys. The northern and southern ranges are separated by a depression containing the San Francisco Bay. The Petaluma Valley extends from Penngrove south to the Marin County line and San Pablo Bay, includes the Two Rock area to the west and extends east to the crest of the Sonoma Mountains, which separate the Petaluma and Sonoma Valleys. This area includes most of the watershed of the Petaluma River. (DWR 1982)

As reported in June 1982, the California Department of Water Resources (DWR) evaluated the groundwater resources of Petaluma Valley relying in large part upon water well logs. The logs were used to develop cross sections depicting the subsurface geology. Two of the cross sections intersect just east of the subject property, close enough to the site to obtain a reliable picture of its underlying lithology. From Cinnabar Road on the west to Adobe Road on the east, the Valley is filled with alluvial fan deposits from the surface to a maximum of about 350 feet in thickness along the Valley's north-south axis, roughly corresponding to Ely Road in the area of the site. Beneath the site, the depth of the alluvial fan deposits is estimated to be about 170 feet. The Tertiary Merced and Petaluma Formations lie below the Quaternary fan deposits (Qf). The fan deposits can be described as unconsolidated fine sand, silt and silty clay, coarse sand and gravel, with gravel more abundant near fan heads. The Merced Formation is comprised of coarse- to fine-grained sandstone with minor amounts of clay. The Petaluma Formation is characterized by consolidated clay and shale with minor amounts of sandstone. The specific yields of the three

lithologic units vary from low (3-7%) in the Petaluma Formation to high (10-20%) in the Merced Formation, and moderate to high (8-17%) in the fan deposits. The higher the specific yield of a geologic unit, the more water it will yield.

The domestic well on the subject property is more than 100 ft deep, but no details of its construction were available to PEI. It could have been completed in either the fan deposits or in the Merced Formation. All of the site monitoring wells (MW-1 through MW-8) were completed in the fan deposits from 25 to 30 ft deep. (See **Appendix B** for the monitoring well boring logs.) The groundwater measurements from the monitoring events indicate that the water-bearing zone tapped by the monitoring wells exists under confined or semi-confined conditions.

Groundwater was encountered at approximately 9 feet bgs in one of PEI's test pits excavated near the truck repair awning in the northern portion of the site. Groundwater measurements from PEI's monitoring wells (installed in 2017) have typically ranged from approximately 6 to 8 feet bgs and flows in a southerly direction.

Nine monitoring wells were constructed during an investigation of the J&D Automotive LUST case at 278 Corona Road. One of these wells (MW-9) was situated adjacent to the subject property just off North McDowell Road and about 70 ft southeast of the corner of Corona Road. This well was shallow, but construction details are unknown. During the four years it was monitored, sampling analyses yielded no detections of TPH or VOCs. It is worthwhile to note that this well would be located downgradient to groundwater flow across the site during the two monitoring events conducted at the site to date.

3.0 Subsurface Assessment Activities

Since completion of the Phase I ESA in March 2017, PEI has completed additional subsurface environmental assessment activities at the property as detailed in the sections below. The discussion of the investigations has been divided into three areas of the property: Northern Portion, Central Portion, and Southern Portion, as discussed below.

3.1 Northern Portion – Former Mill Structures

Prior environmental reports did not provide information regarding the disposition of the former feed mill buildings on-site. Specifically, there was no indication of whether the former structures may have been buried on-site. Buried building debris represents a recognized environmental condition (REC). Prior to drilling and groundwater sampling at the property, PEI completed a geophysical survey followed by a potholing and test pit investigation in areas identified by the geophysical survey as having subsurface anomalies. This work was completed in March and April 2017 and is described below.

3.1.1 Geophysical Survey

PEI retained Subtronic Corporation (Subtronic) to perform a geophysical investigation to assess the possible locations of potential burn/disposal sites from the remnants of prior feed mill buildings destroyed in the 1980s.

The area surveyed consisted of two areas southwest of the railroad tracks and southeast of Corona Road which are separated by several small buildings and an overhead permanent shade structure (part of the former mill structure). The area surveyed was mostly flat, and consisted of hard-packed dry gravel. Some sections of reinforced and non-reinforced concrete were observed within the geophysical survey area. Trailers, cars, and trucks which were present on site were moved for the survey.

The geophysical investigation was completed over three days from March 19 to 21, 2017. The survey equipment included electromagnetic (EM) and ground penetrating radar (GPR) equipment. The surveyor laid out a grid over the area of the site that was formerly occupied by two mill buildings and a large grain elevator structure between them. The surveyed area totaled approximately 90 feet by 467 feet. Due the size of the property, the geophysical survey was limited to only the area of the former mill buildings. The remainder of the property was not assessed by the geophysical survey.

The survey observed three primary areas with subsurface anomalies. The anomalies were marked on a map and included in a written report. The area of Anomaly 1 was noted to be approximately 3000 square feet, large enough to correspond to a potential burn/disposal site. A copy of the geophysical report is included in **Appendix A.**

3.1.2 Exploratory Trenching & Soil Sampling

Following completion and review of the geophysical survey results, PEI retained excavation contractor Eleven Engineering of Petaluma, California to excavate exploration test pits in the areas of identified geophysical anomalies. The exploration test pits were excavated on April 4 and 5, 2017. Nineteen shallow test pits were completed at the property in areas of identified geophysical anomalies. The test pits were labelled TP-1 through TP-12 with some test pits labeled A and B (e.g., TP-9B) for pits collected within the same general area of an identified anomaly. The general area of geophysical anomalies and pit locations are shown on **Figure 5.** Several test pits (TP-1N, TP-1S, TP-1C, and TP-1ST) were also placed in the area of a reported historic septic tank. TP-2 through TP-12 were excavated within the geophysical survey area.

Soils from the exploration test pits were screened in the field by a professional geologist for indications of potential contamination including soil staining, odors, and volatile organic compounds (VOCs) using a photoionization detector (PID). Soil samples were collected from several of the test pits based on field observations for chemical analysis. Soil samples were collected directly from the backhoe bucket into glass jars, which were then labeled and sealed with Teflon-lined caps, and placed in a cooler chilled with ice for delivery to an off-site analytical laboratory. Six soil samples were selected for laboratory analysis including: TP-1C-3, TP-4-3, TP-5-4, TP-5-9, TP-7A-4, and TP-7B-6. The selected soil samples were analyzed for the following:

Total Petroleum Hydrocarbons differentiated by carbon chain (TPH-cc by EPA Method 8015B)
Volatile Organic Compounds (VOCs by EPA Method 8260B)
CAM-TTLC 17 Metals (Metals by EPA Method 6010)
Semi-volatile Organic Compounds (SVOCs by EPA Method 8270B)

A summary of pit locations, observations, and sampling rationale is presented in the table below.

Test Pit Area	Test Pit(s)*	Observations
Possible Septic Tank Area east of Truss Company (approx. 50 ft southwest of railroad tracks)	TP-1N TP-1C *(SampleTP-1C-3' collected /analyzed)* TP-1S	Primarily dark gray clays and gravel with some old lumber pieces. Slight heavy hydrocarbon odor from TP-1N at 1' to 3' bgs, which grades to a swampy odor. TP-1C encountered brown stained clay which exhibited hydraulic oil odors at approximately 2 ft bgs grading to a weathered gasoline odor at 3 ft bgs. Bottom of test pits encountered light bluish-gray sandy clays with no odor at approximately 6 to 9 ft bgs.
Septic tank Area	TP-1ST	Dark gray gravels and clay with some metal and wood

east of Truss Company (approx. 45 ft SW of RR tracks)	(approx. 8 feet south of TP-1S)	debris to 5' bgs. At 3' bgs, encountered angle iron and 3'x3' metal piece with circular hole that may have been old filling hole. With redwood pieces coming up, it was likely that this was a redwood septic tank that had been abandoned/destroyed in place.
Southeast of truck repair awning	TP-2, TP-3A & TP-3B, TP-4 *(Sample TP-4-3' collected)*	Gray sandy gravel from 0-1' bgs, grading to dark gray and dark brown gravelly clays with some concrete and burned and unburned wood debris to approximately 3' bgs. Very slight heavy hydrocarbon and swampy odors noted from approximately 3' to 4' bgs. Grades to gray sandy clay with no odors from 4' to 5' bgs.
~15' south of truck repair awning	TP-5 *(Samples TP-5-4' and TP-5-9' collected/ analyzed)*	Brown sandy gravel from 0-1' bgs, grading to dark gray gravelly clay at 1' bgs. 2" transite sanitary sewer-type pipe encountered at 2' bgs, traversing test pit from northeast – southwest (likely the "Unknown Utility" that was noted in the geophysical survey). 2'-3' bgs grades to very dark gray clay exhibiting a slight heavy hydrocarbon odor, and grades to bluish-gray clay with increased hydrocarbon odor from 3'-6' bgs. 6'-9' bgs grades to medium bluish-gray sandy clay exhibiting a lighter hydrocarbon odor. Groundwater seeped into excavation at approximately 9 ft bgs from the south side of test pit. Lab data indicate de minimis concentrations of diesel range hydrocarbons in TP-5 at 4 feet bgs (12.3 milligrams per kilogram [mg/kg]), and non-detect (ND) at 9 feet bgs.
Edge of concrete pad to north of truck repair awning	TP-6	Test pit excavated along east and south side of concrete pad encountered an additional concrete pad and footing at approximately 6" to 1.5' bgs (former building pad/footing).
Edge of concrete pad coming from northwest side of truck repair awning and northeast of masonry shed	TP-7A *(TP-7a-4' collected)* TP-7B *(TP-7b-6' collected)*	TP-7A dug to south of pad, between truck repair awning and large pad to north of truck repair awning. Encountered very dark gray clay exhibiting slight swampy, sewage, and heavy hydrocarbon odors from 0.5' to 5' bgs. However, lab data from TP-7A at 4 feet was ND for TPH. TP-7B dug in unpaved 5'x8' area to west of truck repair pad. Encountered gravel A/B fill material, and apparently placed inside an abandoned, concrete walled septic tank (7.5'x5'x7' deep). Bottom of tank contained sewage-

		smelling soft clay. Lab data indicate de minimis concentrations of diesel range hydrocarbons in TP-7B at 6 feet (81.5 mg/kg).
Area of geophysical anomaly #1, to northwest of truck repair awning	TP-8 TP-9a TP-9b TP-12	TP-8 – the southernmost test pit in this area contained some concrete and metal debris from 1-2' bgs. TP-9a and TP-9b (center of anomaly) contained large concrete debris and much burned wood and metal debris from approximately 1-3' bgs, and lesser amounts of debris from 3-6' bgs, and little to no debris from 6-7' bgs TP-12, at north end of anomaly, contained much large concrete debris from 1-3' bgs and minor amounts of burned wood debris. Becomes minor amounts of debris from 3-4' bgs. No odors were noted from any of these test pits.
Area of geophysical anomaly #2, approximately 90 to 120' southeast of Corona Road	TP-10 TP-11	A railroad spur was encountered at the east end of TP-10 at 6" bgs, approximately 39 feet southwest of the SMART/NWP RR line (likely the cause of the anomaly). Minor amounts of concrete and wood debris encountered in both test pits from approximately 1-3' bgs. Trace amount of debris in very dark gray clay from 3-5' bgs. No odors noted from these test pits.

*****= *with samples collected as indicated*

3.2 Central Portion – Former AST Compound and Truck Scale

Based on the results of previous site investigations (2010/2011), as well as findings from PEI's Phase I ESA (2017), PEI prepared a scope of work to assess subsurface soil and groundwater conditions in the central portion of the site around the former AST compound and in the vicinity of the truck scale. The investigations conducted in this area of the site included a combination of soil borings with grab groundwater sample collection, installation and sampling of monitoring wells, and a soil vapor survey. The investigation was conducted in two phases, with the initial phase, soil borings and groundwater monitoring well installation, conducted in June 2017, and the second phase, additional soil borings and an associated soil vapor survey, conducted in September 2017. The phases of the investigation are further described in the sections below.

3.2.1 Soil Borings and Groundwater Monitoring Well Installation

In order to assess environmental impacts in subsurface soil and groundwater, PEI proposed to complete 12 soil borings at the subject property from the western property boundary to the central portion of the site. A workplan and permit application were submitted to and approved by the Sonoma County Department Health Services (SCDHS). Permit number SR0014174 was issued by SCDHS on May 10, 2017. Prior to initiating fieldwork, USA Dig Alert was notified and the proposed boring locations were cleared by a private geophysical utility clearance contractor.

Two additional soil borings were added during the investigation (permitted through SCDHS) in order to provide additional soil and groundwater data. Thus, PEI completed 14 soil borings on the central and western portion of the subject property in June 2017 (see **Figure 6**). Boring logs are included in **Appendix B**.

PEI retained the services of Cascade Drilling of Woodland, California to complete the on-site borings using a hollow-stem auger drill rig. Soil samples were collected at approximately 5-foot intervals (beginning at 5 feet bgs) in each boring. Discrete soil samples were collected utilizing a California split spoon sampler equipped with brass or stainless steel sampling tubes. Collected sample tubes were lined with Teflon sheeting, capped, and labelled, and then placed in a chilled cooler for delivery to an off-site analytical laboratory. Samples were selected for chemical analyses based on physical observations, olfactory indications, visual staining, and field monitoring of VOCs using a PID.

Soil samples were delivered by overnight delivery service to Enviro-Chem Laboratories of Pomona, California. The samples were submitted to the laboratory under chain-of-custody documentation. Selected samples were analyzed for VOCs by EPA Method 8260B, and Total Petroleum Hydrocarbons by carbon chain (TPHcc) by EPA Method 8015B.

Grab groundwater samples were collected from six of the soil borings (S-1 to S-6). The groundwater samples were collected from the soil borings into laboratory supplied sample bottles using new disposable bailers. Following collection of the grab groundwater samples, these six borings were abandoned using neat cement grout in accordance with local regulations and under the observation of a grout inspector from the SCDHS.

The remaining eight soil borings were converted to groundwater monitoring wells by installing 2-inch-diameter, Schedule 40 PVC slotted screen (e.g., 5-10 feet of 0.020-inch screen) and solid casing to ground surface. Monterey #3 sand was placed in the annular space from the bottom of the boring to approximately two feet above the top of the well screen. An approximately 2-foot bentonite seal was placed above the sand-pack. Each well was completed with Portland type I/II cement grout placed in the annular space from the bentonite seal to just below ground surface.

Monitoring wells MW-1 through MW-4 and MW-6 through MW-8 were completed with 9-inch diameter, above grade steel monuments protected by steel bollards. MW-5 was completed with a traffic-rated steel well box placed in concrete to protect the well at ground surface. A groundwater monitoring well schematic is included as **Figure 7.**

Soil boring logs and monitoring well completion diagrams are included in **Appendix B**. California Department of Water Resources (DWR) well completion reports are being completed and will be submitted to the DWR.

3.2.2 Groundwater Monitoring Well Development and Sampling

The newly installed groundwater monitoring wells (MW-1 through MW-8) were developed at least 48 hours after well installation. Well development activities consisted of surging the screened interval of each monitoring well for a period of approximately 5 to 15 minutes with a surge block, followed by purging of well water using a combination of hand held bailer and down-hole pump. Well development water was monitored for temperature, pH, specific conductance, and total dissolved solids during purging of the wells. The monitoring wells were developed until approximately 6 to 10 casing volumes of water had been removed and groundwater parameters had stabilized. Well development logs were completed.

The groundwater monitoring wells were sampled in June and September 2017. Well sampling logs were completed for sampling events. Groundwater samples were collected from each site monitoring well following purging and monitoring of the well purge water. Well purging was conducted using a new disposable bailer. Groundwater parameters including temperature, pH, and specific conductance were monitored during well purging. Monitoring wells were sampled following removal of approximately 3 casing volumes of water from each well and stabilization of groundwater parameters.

The monitoring wells were sampled using a disposable bailer to collect the samples into laboratory supplied 1-liter amber bottles and 40-milliliter (ml) VOA vials. Following collection, the sample containers were labeled and placed on ice for shipment to an analytical laboratory. The samples were sent under chain-of-custody documentation to Enviro-Chem Laboratories of Pomona, California (Enviro-Chem). Samples were analyzed for VOCs by EPA Method 8260B, and TPH-cc by EPA Method 8015B.

During the September 2017 groundwater sampling event, PEI was able to gain access to the on-site domestic water well located northwest of the former AST compound. PEI was able to move the well cover aside enough to assess the depth to water and collect a water sample using a new weighted disposable bailer. The groundwater sample (DW-1) was submitted with the samples collected from the site monitoring wells for laboratory analysis to Enviro-Chem for VOC and TPHcc analysis. The domestic well was sampled on September 6, 2017. The water level measured approximately 8.4 feet below the top of the well. The top of the well is approximately 2 feet above ground surface. The total depth of the well is apparently greater than 100 feet deep as PEI's 100-foot long water level measuring tape did not encounter the bottom of the well when lowered into the well.

3.2.3 Groundwater Monitoring Well Surveying

Well surveying was performed by Ray Carlson and Associates, a California licensed professional land surveyor (PLS) experienced with the GeoTracker™ specifications. The well surveyed

generally conforms to the California State Water Resources Control Board's "GeoTracker™ Survey_XYZ Guidelines & Restrictions" (Rev. 6, June 3, 2004). The monitoring wells were surveyed for elevation relative to sea level. Groundwater elevations were calculated to establish groundwater gradient (magnitude and direction). Groundwater monitoring well survey data and maps are included in **Appendix C.**

3.2.4 Shallow Soil and Soil Vapor Survey

The analytical data collected from completion of PEI's initial 6 soil borings and 8 groundwater monitoring wells indicated that groundwater at the site has been slightly impacted with the VOC 1,2-DCA. However, no significant source area of similar 1,2-DCA impacts to soil was discovered during PEI's initial investigations. Thus, PEI completed a soil vapor survey and shallow soil sampling in the general area of groundwater impacts (central portion of property) in order to further assess potentially impacted soils and a potential source of the groundwater impacts. The soil vapor survey was conducted on September 5 and 6, 2017. Prior to conducting the soil vapor survey, USA Dig Alert was notified and the proposed soil vapor boring locations were cleared by a private geophysical utility clearance contractor.

PEI retained the services of TEG-Northern California to complete 21 shallow soil borings (SV-1 through SV-20 and SB-21). The boring locations are noted in **Figure 8.** Soil borings were completed using a Strataprobe direct-push drilling rig. The soil borings were advanced to a depth of 8 feet bgs, except for boring SV-1 which was advanced to 12 feet bgs. Groundwater was not encountered except at SV-4, where perched groundwater was encountered at approximately 6 feet bgs. Soil matrix sampling was completed from each of the borings at depth of 4 and 8 feet bgs (and 12 feet bgs from SV-1). Soil samples were collected and archived in appropriately labeled soil core acetate sleeves, sealed with Teflon sheeting and plastic end caps, and placed in a cooler chilled with ice for delivery to an off-site laboratory under standard chain-of-custody methods.

Soil vapor samples were collected from each of the soil vapor boring in general accordance with California EPA – Department of Toxic Substances Control (DTSC) protocols (July 2015). Soil vapor sampling points were installed at a depth of approximately 5-feet bgs within borings SV-1 through SV-20. No soil vapor sample was collected from soil boring SB-21.

Dedicated Teflon sample tubing was used for each soil vapor sampling point. Stainless steel soil vapor probe tips were embedded at the bottom of the Teflon tubing at approximately 5-feet bgs midway within a minimum one-foot section of sand pack. Approximately one foot of dry granular bentonite was placed above the sand pack. Hydrated granular bentonite was then placed above the granular bentonite to the ground surface. The soil vapor sampling points were allowed to sit for a minimum of two hours prior to sampling. Soil vapor samples were collected using a 50-ml syringe connected to the Teflon sample tubing. Soil vapor samples were analyzed by TEG's on-site mobile laboratory for VOCs by EPA Method 8260B.

3.3 Southern Portion – Undeveloped Portion

Historical uses of the southern portion of the subject property have included wooden truss manufacturing and truck parking. No previous significant structures or buildings were identified from the Phase I ESA data reviews. This area of the site will likely be utilized by SMART for parking for the proposed north Petaluma SMART light rail station.

On June 6, 2017, PEI collected shallow soil samples from approximately 0.5 feet bgs from ten sampling locations, SS-1 to SS-10, around the perimeter of the southern portion of the subject property. The approximate locations of the shallow soil samples are indicated on **Figure 9**. Soil samples were collected using hand held trowels that were cleaned and rinsed between sampling locations. Soil samples were collected into glass jars, sealed with Teflon lined caps, labeled, and placed in a chilled cooler for shipment to the off-site laboratory. The shallow soil samples were analyzed for the following:

VOCs by EPA Method 8260B;
TPH-cc by EPA Method 8015B.
CAM 17 Metals
SVOCs by EPA Method 8270B

Based on heavy petroleum hydrocarbons detections noted from several of the June 2017 shallow soil samples (samples SS-4-0.5 through SS-7-0.5), additional soil samples were collected from approximately 2.5 feet bgs from these sampling locations on September 6, 2017. These deeper soil samples were collected utilizing TEG's Strataprobe drilling rig. The deeper soil samples (SS-4-2.5 through SS-7-2.5) were collected into acetate soil core tubes and submitted to Enviro-Chem for TPH-cc analysis by EPA Method 8015B.

4.0 Investigation Results

4.1 Soil and Groundwater Conditions

Soil conditions encountered during advancement of the soil borings and excavation of test pits generally consisted of gray, dark gray, to olive brown clay with lesser amounts of fine to medium grained sands and traces of fine gravel. Fine gravels and sand were typically encountered in thin lenses (up to 3 feet thick) at depths of 15 to 31 feet bgs (the deepest depth explored). Encountered soils generally did not exhibit evidence of significant contamination such as odors, staining, or elevated PID readings. Soils encountered in soil borings and test pits exhibited low to no detected PID readings. The highest recorded PID reading was noted from soil 10 feet bgs from the soil boring advanced for MW-8. Soil boring logs for the June 2017 soil borings and monitoring well installations are presented in **Appendix B**.

Evidence of groundwater was noted at varying depths between 8 and 25 feet bgs. The large variation in depths to encountered groundwater was likely an effect of the fine sediments encountered from near the ground surface to just above water bearing zones, which resulted in confined to semi-confined conditions for the underlying groundwater. Grab-groundwater samples were collected at depths between approximately 15 to 25 feet bgs from soil borings SB-1 through SB-6.

Groundwater monitoring wells MW-1 through MW-8 were installed to depths ranging from approximately 25 to 31 feet bgs, depending upon where soil cuttings indicated that groundwater had been encountered. Monitoring well construction details are included on soil boring logs presented in **Appendix B**. The location and elevation of the monitoring wells were surveyed by Ray Carlson and Associates on July 7, 2017. Survey maps and data are presented in **Appendix C**.

Depth to groundwater measurements from site monitoring wells were collected during the June and September groundwater monitoring events. Groundwater elevations were calculated from the monitoring well elevation and depth to groundwater measurement data. Depth to groundwater and the corresponding groundwater elevations for the two monitoring events conducted to date are indicated in **Table 1**, below:

Table 1 – Monitoring Well Water Level and Groundwater Elevation Data

Monitoring Well	Total Depth (BGS/TOC)	Casing Elevation	Date Measured	Depth to Water (feet below TOC)	GW Elevation (ft msl)
MW-1	25'/28'	36.36	6/7/17	9.45	26.91
			9/6/17	10.53	25.83
MW-2	25'/28'	35.83	6/7/17	9.62	26.21
			9/6/17	10.60	25.23
MW-3	30'/33'	35.23	6/7/17	9.31	25.92
			9/6/17	10.10	23.94
MW-4	27'/30'	36.20	6/7/17	10.55	25.65
			9/6/17	11.29	24.91
MW-5	30'/30'	33.02	6/7/17	6.35	26.67
			9/6/17	7.30	25.72
MW-6	15,20	35.53	6/7/17	9.83	25.70
			9/6/17	10.82	24.71
MW-7	15,20	36.04	6/7/17	9.91	26.13
			9/6/17	11.13	24.91
MW-8	25'/28'	37.73	6/7/17	10.67	27.06
			9/6/17	11.70	26.03

BGS = below ground surface
TOC = Top of casing
msl = mean sea level

Groundwater elevation contours for the June and September monitoring events were plotted on site maps and are presented on Figures 10 and 11. The groundwater elevation maps indicate a general southerly groundwater flow direction across the site, with MW-4 and MW-6 located on the downgradient side of the site. The June groundwater gradient was calculated as 0.0053 feet per foot to the south-southwest, and the September groundwater gradient was calculated as 0.0043 feet per foot to the south. Groundwater isopleth maps for the June and September sampling events are included as Figure 10 and Figure 11.

4.2 Analytical Results

Laboratory analytical reports and corresponding chain-of-custody documentation from soil, groundwater, and soil vapor sampling activities conducted for this investigation are presented in **Appendix D**. The discussion of the analytical data has been separated into the three separate

areas of the site that were subject of PEI's investigation: The Northern Portion – Former Mill Structures; the Central Portion – Former AST Compound and Truck Scale; and the undeveloped Southern Portion of the site.

4.2.1 Northern Portion – Former Mill Structures

Buried building debris including concrete, wood, and metal were identified in several of the exploration test pits excavated on April 4 and 5, 2017. The approximate locations of the test pits excavated in this portion of the site are indicated on **Figure 5**.

Based on field observations from trenching activities within areas of geophysical anomalies, five test pits/trenches (TP-1, TP-4, TP-5, AND TP-7) were identified where visual, olfactory, or other evidence indicated potential environmental impacts in the areas of the former mill structures. Soil samples were collected from these trenches and submitted for off-site laboratory analysis. The samples selected for chemical analysis included: TP-1C-3, TP-4-3, TP-5-4, TP-5-9, TP-7A-4, and TP-7B-6, collected at various depths between 3 to 9 feet bgs. The analytical results from these soil samples are summarized in **Table 2**, below:

Table 2 – Soil Results – Test Pit Sampling – April 2017

Soil Sample ID & Depth	Results (mg/kg)								
	TPH C4-C10 mg/kg	TPH C11-CC22 mg/kg	TPH C23-C35 mg/kg	BTEX	Chromium	Lead	Other Metals	VOCs	SVOCs
TP-1C-3'	ND	ND	ND	ND	48.8	7.5	<TTLC	ND	ND
TP-4-3'	ND	ND	ND	ND	51.8	11.6	<TTLC	ND	ND
TP-5-4'	ND	12.3	ND	ND	53.2	**231**	<TTLC	ND	ND
TP-5-9'	ND	ND	ND	ND	45.9	4.8	<TTLC	ND	ND
TP-7A-4'	ND	ND	ND	ND	50.5	6.96	<TTLC	ND	ND
TP-7B-6'	ND	81.5	ND	ND	41.4	12.2	<TTLC	ND	4.32[1]
ESLs[2]	*100*	*230*	*5100*	--	*120,000*	*80*	--	--	*39[1]*
RSLs[3]	*NA*	*NA*	*NA*	--	*12,000*	*400*	--	--	*50[1]*
TTLC[4]	--	--	--	--	*2,500*	*1,000*	--	--	--

1 Bis (2-Ethylhexyl) Phthalate (aka DEHP)
2 Environmental Screening Levels (ESLs) for residential soils, San Francisco Bay RWQCB, February 2016 (Rev. 3)
3 Regional Screening Levels (RSLs) in mg/kg for residential soils, Region 9 EPA, June 2017
4 Total Threshold Limit Concentrations for hazardous waste characterization. "<TTLC" = Result below the TTLC for the other CAM17 metals

ND = Not detected at or above laboratory reporting limits
NA = Not Applicable
VOCs/SVOCs = volatile organic compounds / semi-volatile organic compounds
Bold results = Detected concentrations greater than one or more regulatory guideline levels

The laboratory results indicate minor (de minimis) concentrations of mid-range (C11-C22) petroleum hydrocarbons were detected from soil samples collected within TP-5-4 and TP-7B-6. Test pits TP-5 and TP-7B were excavated to the south of the open truck repair awning. The detected TPH concentrations indicate possible previous releases of diesel.

Detected chromium and lead concentrations were below their hazardous waste characterization Total Threshold Limit Concentrations (TTLC) of 2,500 mg/kg and 1,000 mg/kg, respectively. However, one of the lead detections and several of the chromium detections were at concentrations which may require additional testing to determine whether the Soluble Threshold Limit Concentration (STLC) for non-RCRA hazardous waste (California hazardous waste) is exceeded. . The additional testing may be required if and when materials from these test pits are removed from the site for off-site disposal.

No VOCs or SVOCs were detected above laboratory reporting limits, with the exception of an anomalous low concentration of Bis (2-Ethylhexyl) Phthalate (4.32 mg/kg) in TP-7B at 6 feet bgs.

4.2.2 Central Portion – Former AST Compound and Truck Scale

4.2.2.1 Soil Boring Results – June 2017

Soil samples were collected from each of the 14 soil borings that were completed in June 2017 including SB-1 through SB-6 and MW-1 through MW-8. The analytical results are summarized in **Table 3**, below:

Table 3 – Soil Results – Soil Borings & Monitoring Wells – June 2017

(Results in mg/kg, depth in feet bgs)

Soil Sample ID & Depth	TPH-cc C4 – C35	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	Other VOCs
SB-1-15'	ND	ND	ND	ND	ND	ND	ND
SB-1-20'	ND	ND	ND	ND	ND	ND	ND
SB-2-10'	ND	ND	ND	ND	ND	ND	ND
SB-2-15'	ND	ND	ND	ND	ND	ND	ND
SB-3-15'	ND	ND	ND	ND	ND	ND	ND
SB-4-5'	ND	ND	ND	ND	ND	ND	ND
SB-4-15'	ND	ND	ND	ND	ND	ND	ND
SB-5-5'	ND	ND	ND	ND	ND	ND	ND
SB-5-10'	ND	ND	ND	ND	ND	ND	ND
SB-5-15'	ND	ND	ND	ND	ND	ND	ND
SB-5-20'	ND	ND	ND	ND	ND	ND	ND
SB-6-10'	ND	ND	ND	ND	ND	ND	ND
SB-6-15'	ND	ND	ND	ND	ND	ND	ND
SB-6-20'	ND	ND	ND	ND	ND	ND	ND
MW-1-15'	ND	ND	ND	ND	ND	ND	ND
MW-2-10'	ND	ND	ND	ND	ND	ND	ND
MW-3-15'	ND	ND	ND	ND	ND	ND	ND
MW-4-15'	ND	ND	ND	ND	ND	ND	ND
MW-4-25'	ND	ND	ND	ND	ND	ND	ND
MW-5-5'	ND	ND	ND	ND	ND	ND	ND
MW-5-10'	ND	ND	ND	ND	ND	ND	ND
MW-5-15'	ND	ND	ND	ND	ND	ND	ND
MW-5-25'	ND	ND	ND	ND	ND	ND	ND
MW-6-15'	ND	ND	ND	ND	ND	ND	ND
MW-6-20'	ND	ND	ND	ND	ND	ND	ND
MW-7-15'	ND	ND	ND	ND	ND	ND	ND
MW-7-20'	ND	ND	ND	ND	ND	ND	ND
MW-8-15'	ND	ND	ND	ND	ND	ND	ND

ND = Not detected at or above laboratory reporting limits

None of the analyses of soil samples collected from the 14 initial soil borings advanced in June 2017 indicated any detected concentrations of TPH or VOCs above laboratory reporting limits. These results do not indicate a specific source of soil contamination that could have impacted groundwater conditions at the site.

4.2.2.2 Groundwater Analytical Results – June & September 2017

Site groundwater monitoring wells were initially sampled on June 7 and 8, 2017, during the 2nd quarter of 2017 and sampled again in the 3rd quarter 2017 on September 6 and 7, 2017.

The monitoring wells were initially sampled on June 7 and 8, 2017, during the 2nd quarter of 2017, and sampled again in the 3rd quarter 2017 on September 6 and 7, 2017. The groundwater level and elevation measurements indicate a general southerly groundwater flow direction, with MW-4 and MW-6 located on the downgradient side of the site.

Groundwater analytical results from the groundwater sampling activities are summarized in **Table 4**, below.

Table 4 – Groundwater Results – Borings & Monitoring Wells, June and September 2017

(Results in µg/L)

Groundwater Sample ID	Type	Date Sampled	TPH-C4-C10	TPH C11-C22	TPH C23-C35	Benzene	Xylenes	1,2-DCA	Iso-propyl benzene	Other VOCs
SB-1	**Grab**	**6/2/2017**	ND	ND	ND	ND	ND	**8.03**	ND	ND
SB-2	**Grab**	**6/2/2017**	ND	ND	ND	ND	ND	ND	ND	ND
SB-3	**Grab**	**6/1/2017**	ND	ND	ND	ND	ND	ND	ND	ND
SB-4	**Grab**	**6/1/2017**	ND	ND	ND	ND	ND	ND	ND	ND
SB-5	**Grab**	**6/1/2017**	**2050**	**673**	ND	**864**	11.8	ND	42.5	ND
SB-6	**Grab**	**6/1/2017**	ND	ND	ND	ND	ND	**18.1**	ND	ND
MW-1	**Monitoring Well**	**6/7/2017** **9/7/2017**	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
MW-2	**Monitoring Well**	**6/7/2017** **9/7/2017**	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
MW-3	**Monitoring Well**	**6/7/2017** **9/7/207**	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
MW-4	**Monitoring Well**	**6/8/2017** **9/6/2017** **9/6/2017 (d)**	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	**1.89** **2.17** **1.74**	ND ND ND	ND ND ND
MW-5	**Monitoring Well**	**6/8/2017** **9/6/2017**	ND ND	ND ND	ND ND	ND ND	ND ND	**17.4** **3.97**	ND ND	ND ND
MW-6	**Monitoring Well**	**6/8/2017** **9/6/2017**	ND ND	ND ND	ND ND	ND ND	ND ND	**6.77** ND	ND ND	ND ND
MW-7	**Monitoring Well**	**6/8/2017** **9/6/207**	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
MW-8	**Monitoring Well**	**6/8/2017** **9/6/207**	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
DW-1	**Grab**	**9/6/2017**	ND	ND	ND	ND	ND	ND	ND	ND
CA MCLs[1]			NA	NA	NA	1.0	1,750	0.5	NA	-
ESLs[2]			100	100	NA	1.1	1,300	6.1	NA	-
Fed MCL[3]			NA	NA	NA	5.0	10,000	5.0	NA	-

1California Maximum Contaminant Levels – July 2014
2 Environmental Screening Levels – Tier 1 ESLs – February 2016 for human health risks in a residential setting from vapor intrusion from shallow groundwater
3 Federal Maximum Contaminant Levels
ND – Not Detected at concentrations greater than or equal to the laboratory reporting limits
NA – Not Applicable
Bold results = Detected concentrations greater than one or more regulatory guideline levels

1California Maximum Contaminant Levels for drinking water
2 Environmental Screening Levels – Tier 1 ESLs – February 2016 for shallow groundwater, residential scenario
3 Federal Maximum Contaminant Levels for drinking water
ND = not detected above laboratory detection limit; NL = not listed

The analytical data indicate groundwater at the subject property is slightly impacted in the area of the current well house and the former AST compound with 1,2-DCA at concentrations which exceed the Federal Maximum Contaminant Level (FedMCL) of 5 ug/L (grab-groundwater samples SB-1 and SB-6, and June 2017 monitoring well samples from MW-5 and MW-6). Detected concentrations of 1,2-DCA from SB-1, SB-6, MW-4, MW-5, and MW-6 are all above the California MCL (CaMCL) of 0.5 ug/L. In addition, several of the 1,2-DCA detections are above the ESL for vapor intrusion from shallow groundwater in a residential setting. However detected 1,2-DCA concentrations from the downgradient monitoring wells were generally at or below the vapor intrusion ESL.

The grab groundwater sample collected from the soil boring SB-5 indicated apparently anomalous concentrations of TPHg (2,050 ug/L), TPHd (673 ug/L), benzene (864 ug/L) and xylenes (11.8 ug/L). None of the samples collected to date from site monitoring wells or the remaining five grab-groundwater samples collected in June 2017 contained BTEX constituents above laboratory reporting limits. Other than SB-5, no other groundwater sample contained TPH concentrations (C4 to C35) or BTEX constituents above laboratory reporting limits.

PEI was able to gain access to the on-site domestic water well (DW-1) at the subject property during the September 2017 sampling event to collect a grab groundwater sample with a new disposable bailer. Well DW-1 is located west and adjacent to the concrete enclosure that formerly housed the fuel ASTs Analytical results indicate that no analyzed compounds (VOCs or TPH) were detected at concentrations above laboratory reporting limits from the sample collected from DW-1.

4.2.2.3 Shallow Soil and Soil Vapor Survey – September 2017

PEI completed a soil vapor survey and shallow soil sampling in the general area of the groundwater impacts (central portion of property) in order to assess for potential impacted soils and a potential source of groundwater impacts observed during the June 2017 sampling event. The field work included advancing 20 borings to collect shallow soil (up to 12 feet bgs) and soil vapor samples at approximately 5 feet bgs. An additional soil boring, SB-21, was installed in the center of the concrete former fuel dispenser pad for soil collection only. The analytical results are summarized in **Tables 5** and **6**, below.

Table 5 – Soil Results-Shallow Soil Borings
within Impacted Groundwater Area
September 2017
(Concentrations in mg/Kg)

Soil Sample ID & Depth	TPH C4-C10	TPH C11-CC22	TPH C23-C35	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	Other VOCs
SV-1-4'	16.1	92.2	ND	ND	ND	0.485	1.4	ND	Trace*
SV-1-8'	ND	59.8	ND	ND	ND	ND	ND	ND	Trace*
SV-1-12'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-2-4'	ND	**320**	ND	ND	ND	ND	ND	ND	ND
SV-11-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-2-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-12-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-17-4'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-19-4'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV-20-4'	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-21-4'	ND	38.1	ND	ND	ND	ND	ND	ND	ND
SB-21-8'	ND	ND	ND	NA	NA	NA	NA	NA	NA
ESLs (residential)	100	230	5100	0.044	2.9	1.4	2.3	.0045	varies
ESLs (commercial)	500	1,000	140,000	1	1,000	22	1,000	1.6	

* SV-1-4' and SV-1-8' contained trace concentrations of n-butyl benzene, n-propyl benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene
ND = not detected above laboratory reporting limit
ESLs = Environmental Screening Levels (ESLs) for residential/commercial soils (as indicated), San Francisco Bay RWQCB, February 2016 (Rev. 3)
ND – Not Detected at concentrations greater than or equal to the laboratory reporting limits
NA – Not Analyzed
Bold results = Detected concentrations greater than one or more regulatory guideline levels

The soil analytical results indicate relatively minor TPH as gasoline (TPH-C4-C10) and diesel (TPH-C11-C22) detections from 4 feet bgs at SV-1, which reduce to "non-detect" at 12 feet bgs at SV-1. TPH as diesel was detected at 320 mg/kg from the 4 foot bgs sample from SV-2, which is greater than the ESL for soil in a residential setting of 230 mg/kg, however TPH as diesel was not detected in the 8 foot soil sample from SV-2. TPH as diesel was also detected in the 4 foot sample from SB-21, however the 8 foot soil sample results indicated no detected TPH as diesel.

No VOCs or TPH as gasoline or motor oil (TPH-C23-C35) were detected at or above laboratory reporting limits in any of the soil samples selected for analysis from the September shallow soil borings. Specifically, no 1,2-DCA was detected in any of the soil samples analyzed, thus no source of 1,2-DCA impacts to groundwater were identified from the September 2017 soil sampling activities.

Table 6– Soil Vapor Results-Shallow Borings within Impacted Groundwater Area - September 2017

	Results (µg/L)						
Soil Sample ID (5 feet bgs)	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene-m, p**	**Xylenes-o**	**1,2-DCA**	**Other VOCs**
SV-1	**11.0**	1.0	**3.3**	11.0	2.8	ND	ND
SV-2	**4.0**	5.3	**2.2**	6.5	1.7	ND	ND
SV-3	ND	ND	ND	ND	ND	ND	ND
SV-4	ND	ND	ND	ND	ND	ND	ND
SV-5	ND	ND	ND	ND	ND	ND	ND
SV-6	ND	ND	ND	ND	ND	ND	ND
SV-7	ND	ND	ND	ND	ND	ND	ND
SV-8	ND	ND	ND	ND	ND	ND	ND
SV-9	ND	ND	ND	ND	ND	ND	ND
SV-10	ND	ND	ND	ND	ND	ND	ND
SV-11	ND	ND	ND	ND	ND	ND	ND
SV-12	ND	ND	ND	ND	ND	ND	ND
SV-13	ND	ND	ND	ND	ND	ND	ND
SV-14	ND	ND	ND	ND	ND	ND	ND
SV-15	ND	ND	ND	ND	ND	ND	ND
SV-16	ND	ND	ND	ND	ND	ND	ND
SV-17	ND	ND	ND	ND	ND	ND	ND
SV-18	ND	ND	ND	ND	ND	ND	ND
SV-19	**2.8**	ND	**2.9**	7.9	0.15	ND	ND
SV-20	ND	ND	ND	ND	ND	ND	ND
Blanks (2)	ND	ND	ND	ND	ND	ND	ND
CHHSLs [1]	0.085	320	1.1	850/800	740	0.11	varies
ESLs (subslab - residential)[2]	0.048	160	0.56	52	52	0.054	varies
ESL (subslab – commercial)[3]	0.42	1,300	4.9	440	440	0.470	

1 California Human Health Screening Levels - Residential structures with engineered fill
2 Environmental Screening Levels – Tier 1 ESLs – June 2016 for subslab soil gas with intact slab (residential)
3 Environmental Screening Levels – Tier 1 ESLs – June 2016 for subslab soil gas with intact slab (commercial)
ND – Not Detected at concentrations greater than or equal to the laboratory reporting limits
Bold results = Detected concentrations greater than one or more regulatory guideline levels

Soil vapor data indicate concentrations of BTEX constituents in three borings advanced to the northeast of the truck scale and former AST compound (SV-1, SV-2 and SV-19). The soil vapor results from these borings indicate concentrations of benzene and ethylbenzene above soil vapor intrusion into residential structure standards (e.g. residential CHHSLs for structures with engineered fill materials under subslab base gravel; residential soil vapor intrusion ESLs). The remaining 17 soil vapor samples did not detect concentrations of VOCs above laboratory reporting limits. The detections of ethylbenzene, xylenes, and TPH in soil samples from SV-1

and SV-2, along with the detections of BTEX compounds in soil vapor samples from SV-1, SV-2 and SV-19 suggest the possible presence of a historic source of petroleum hydrocarbons (e.g., possible former UST) located north of the former AST enclosure. A former UST could have been a source of 1,2-DCA to groundwater, however, the soil and vapor analytical results did not reveal any specific source of 1,2-DCA as 1,2-DCA was not detected in any of the shallow soil or soil vapor samples analyzed.

Soil data indicates limited gasoline (16.1 mg/Kg) and diesel (92.2 mg/Kg) in SB-1 at 4 feet bgs which reduces in concentration with depth to 12 feet bgs. Soil data indicate limited diesel in the 4 foot soil sample collected boring SV-2 (320 mg/Kg) and SV-21 (38.1 mg/Kg). No VOCs or TPH as gasoline were detected above laboratory detection limits. Specifically, no 1,2-DCA was detected in the soil vapor of any of the 20 vapor samples collected from within the area of the identified 1,2-DCA groundwater plume. No evidence of a significant source for groundwater impact based upon soil data.

4.3 Southern Portion - Undeveloped

In June 2017, PEI collected 10 shallow soil borings, SS-1 to SS-10, at a depth of approximately 0.5 foot bgs around the perimeter of the southern portion of the subject property. These soil samples were analyzed for VOCs, TPH-cc, SVOCs, and CAM 17 metals.

Based on heavy petroleum hydrocarbons detections (TPH as motor oil [C23-C35]) from SS-4-0.5 through SS-7-0.5 from the June 2017 sampling, additional soil samples were collected from approximately 2.5 feet bgs at these sampling locations in September 2017 for TPH-cc analysis. Analytical results from the near surface soil sampling conducted in the southern portion of the site are summarized in **Table 7**, below.

Table 7 – Shallow Soil Results – Southern Portion
June and September 2017
(Concentrations in mg/Kg)

Soil Sample ID	TPH C4-C10	TPH C11-C22	TPH C23-C35	As	Cr Total	Pb	Other Metals	VOCs	SVOCs
SS-1-0.5'	ND	ND	ND	**3.98**	39.9	9.47	<TTLC	ND	ND
SS-2-0.5'	ND	ND	ND	ND	50.6	7.62	<TTLC	ND	ND
SS-3-0.5'	ND	ND	ND	**6.36**	40.8	16.6	<TTLC	ND	ND
SS-4-0.5'	ND	110	3,430	ND	33.3	5.85	<TTLC	ND	ND
SS-4-2.5'	ND	ND	ND	NA	49.5	NA	NA	NA	NA
SS-5-0.5'	ND	**631**	**13,700**	**3.5**	66.5	10.5	<TTLC	ND	ND
SS-5-2.5'	ND	ND	ND	NA	NA	NA	NA	NA	NA
SS-6-0.5'	ND	110	4,100	**3.21**	44.2	7.3	<TTLC	ND	ND
SS-6-2.5	ND	ND	ND	NA	NA	NA	NA	NA	NA
SS-7-0.5'	ND	ND	2,370	ND	44.1	7.95	<TTLC	ND	ND
SS-7-2.5'	ND	ND	ND	NA	NA	NA	NA	NA	NA
SS-8-0.5'	ND	ND	522	**6.31**	61.3	11.7	<TTLC	ND	ND
SS-9-0.5'	ND	ND	ND	ND	50.8	6.15	<TTLC	ND	ND
SS-10-0.5'	ND	ND	340	ND	60.5	22.4	<TTLC	ND	ND
ESLs (residential)	100	230	5,100	0.067	120,000	80			
ESLs (commercial)	500	1,000	140,000	0.31	1,800,000	320			
RSLs	--	--	--	0.68	120,000	400			
TTLC	--	--	--	500	2,500	1,000			

ESLs = Environmental Screening Levels (ESLs) for residential/commercial soils (as indicated), San Francisco Bay RWQCB, February 2016 (Rev. 3)

< TTLC = Results below Total Threshold Limit Concentrations for hazardous waste characterization for other CAM17 metals
ND – Not Detected at concentrations greater than or equal to the laboratory reporting limits
NA – Not Analyzed
As = arsenic, Cr = chromium, Pb = lead
VOCs/SVOCs = volatile organic compounds / semi-volatile organic compounds
Bold results = Detected concentrations greater than one or more regulatory guideline levels

No metals were detected at concentrations greater than their respective hazardous waste characterizations TTLCs. were observed in shallow soil above total threshold limit concentrations (TTLC). However, five of the chromium detections were at concentrations which may require additional testing to determine whether the STLC for non-RCRA hazardous waste (California hazardous waste) is exceeded. The additional testing may be required if and when materials from these test pits are removed from the site for off-site disposal.

No VOCs or SVOCs were observed in shallow soil samples at concentrations above laboratory detection limits.

The analytical results indicate detected concentrations of heavy hydrocarbons in the motor oil range (C23-C35) in several of the initial surface soil samples collected at 0.5 feet bgs from the perimeter of the truck parking area (samples SS-4-0.5 through SS-7-0.5). However, results from

soil samples collected at 2.5 feet bgs from these four sampling locations were non-detect for TPH, indicating the initial TPH detections are from only minor surficial releases.

5.0 Conclusions & Recommendations

5.1 Northern Portion – Former Mill Structures

The geophysical survey and test pit analysis indicated evidence of historical burial of building debris (e.g., burned wood, concrete, septic tanks, etc.). The buried debris appears to be limited in areal extent, and most debris was located within the first 4 to 5 feet bgs.

Soils that were observed with potential environmental impact were sampled for TPH, VOCs, SVOCs and metals. Analytical data indicated pockets of low concentrations of TPH-diesel impacted soils within a few of the test pit excavations. The encountered soils and analytical results do not suggest any significant releases of petroleum hydrocarbons to subsurface soils. No specific source of organic or inorganic constituents of concern were encountered that would cause significant groundwater impacts.

Future site development activities (e.g., grading) will likely encounter areas of buried building debris and soils impacted with a low concentrations of petroleum hydrocarbons(e.g., TPH-diesel). A soil management plan will be necessary to segregate impacted soil and debris and address potential worker safety concerns.

5.2 Central Portion – Former AST Compound and Truck Scale Area

5.2.1 Soil and Soil Vapor Data

Soil data collected from the 35 soil borings advanced at the site in June and September 2017 identified no obvious source of impacts to the subsurface. Low concentrations of petroleum hydrocarbon impacts and BTEX constituents were detected in shallow soil matrix samples collected in the vicinity of SV-1, SV-2, and SV-19. These borings are located northeast of the former AST enclosure and south of the former mill structures.

Soil vapor data indicate concentrations of BTEX constituents northeast of the former AST enclosure. These concentrations are above California Human Health Screening Levels (CHHSLs) for residential properties which is proposed for the site.

The specific source of the petroleum hydrocarbon noted on the subject property is unknown. However, based on the data collected during this assessment, there appears to be a potential source (possibly a former UST) located northeast of former AST enclosure and south of truck repair awning. The analytical data and observations of soil conditions in this area indicate that remediation (e.g., source removal/excavation) will likely required prior to or during site development activities.

5.2.2 Groundwater Data

An anomalous concentration of benzene was observed in one grab groundwater sample, SB-5, at concentrations of 864 ug/L. In September 2017, PEI completed a shallow soil/soil vapor boring (SV-7) in the vicinity of SB-5. No field observations of soil impacts were noted in SV-7 and no soil vapor was detected in the vapor sample collected 5 feet bgs. Upgradient grab-groundwater sample SB-3 and downgradient groundwater results from MW-6 and MW-7 detected no concentrations of benzene or other petroleum hydrocarbons constituents. Therefore, the impact detected in the grab-groundwater sample from SB-5 appears to be very localized and/or from an anomalous detection.

Groundwater within the central area of the subject property is slightly impacted with low concentrations of 1,2-DCA. In June 2017, the highest detections of 1,2-DCA were noted in grab-groundwater sample SB-6 at 18.1 µg/L and in site monitoring well MW-5 at 17.4 µg/L. The analytical data indicates that the 1,2-DCA impact is localized on the subject property, with significantly reduced or non-detectable concentrations noted in downgradient wells MW-4 and MW-6.

Subsequent groundwater sampling of site monitoring wells in September 2017 indicated reduced concentrations of 1,2-DCA from the June 2017 data from wells MW-4 and MW-5, and no detected concentrations of 1,2-DCA in MW-6. The detected 1,2-DCA concentrations have been above the California MCL of 0.5µg/L. However, detected 1,2-DCA concentrations from the downgradient monitoring wells in September 2017 were generally at or below the vapor intrusion ESL.

Constituents of concern (TPH, BTEX, and 1,2-DCA) have been noted in groundwater beneath the site. The detected concentrations of these constituents during the September 2017 groundwater sampling event are below California MCLs for all VOCs other than 1,2-DCA. The results do not suggest a need for an active remedial action program to address groundwater impacts. Based on the data collected to date, two additional quarterly rounds of groundwater monitoring are recommended to further assess groundwater concentrations. Further discussion of the 1,2-DCA detections in groundwater and recommendations for how to address these detections is presented in Section 5.4, below.

The detected concentrations of 1,2-DCA during the September groundwater monitoring event were on the order of or below the ESL for vapor intrusion from shallow groundwater in a residential setting. The results of the soil vapor survey conducted in September 2017 confirm that vapor intrusion from underlying 1,2-DCA impacted groundwater should not be an issue for site redevelopment, as 1,2-DCA was not detected in any of the 20 soil vapor samples collected during the investigation.

5.3 Southern Portion - Undeveloped

The historical information reviewed for this investigation indicates no significant structural or industrial use of the southern portion of the property. The primary historical use identified has been the relatively recent use of the perimeter of this portion of the site for truck/trailer parking.

Groundwater data did not indicate impacts at MW-7, the southernmost monitoring well installed at the site. Shallow soil data on this portion of the site indicate surficial impacts of shallow soils with petroleum hydrocarbons in the range of motor oil.

The history and data indicate no significant environmental concern on the southern portion of the property. Therefore, this portion of the property does not require additional assessment. However, there remains a possibility that future site development activities (e.g., grading) will encounter soils impacted with low concentrations of petroleum hydrocarbon (e.g., TPH-motor oil). A soils management plan will be necessary to segregate impacted soil and debris and address potential worker safety concerns.

5.4 Summary of Sitewide Conclusions and Recommendations

Proposed future actions to prepare the subject property for residential development and for SMART system parking will likely remove remnant concentrations of petroleum hydrocarbon contaminants and alleviate threats to public health and to ecological and water resources. These actions are: 1) the excavation and off-site removal of petroleum-impacted soil and buried waste debris; and 2) the proper destruction of the domestic water well to eliminate a potential conduit for impacted groundwater to reach a deep water-bearing zone or aquifer serving beneficial uses.

Excavation and construction activities will be conducted under the guidance of a Soil and Groundwater Management Plan (SGMP) that would describe procedures to protect workers' health, notify appropriate regulatory agencies, and manage impacted soil or groundwater if it is encountered. The threat of soil vapor intrusion into buildings can be precluded by the excavation and removal of impacted soil (i.e., where volatile constituents of fuel were detected in soil vapor tests) and by appropriate construction techniques (i.e. placement of engineered fill below sub-slab base gravel).

The residual degree of impact to groundwater by 1,2-DCA is minor and the extent of the impacts to groundwater appears to be limited. It is well documented (see, for example, USGS 2006) that 1,2-DCA degrades both aerobically and anaerobically. Under aerobic conditions, 1,2-DCA can be degraded when used as a carbon source by microorganisms. The intermediate by-product of this degradation is chloroethanol, which is then mineralized to carbon dioxide and water. Under anaerobic conditions, which may be the case for site groundwater, the mean half-life for biodegradation of 1,2-DCA has been shown to be on the order of 63-165 days. If remediation of 1,2-DCA in groundwater is warranted at a pace faster than natural attenuation, then it would be possible to add the appropriate microbes to accelerate its degradation. In the interim, it is

recommended that two additional quarterly rounds of groundwater monitoring are conducted to further assess concentrations of 1,2-DCA in groundwater.

6.0 References

The following references were utilized during the preparation of this report:

California Department of Water Resources (DWR), in cooperation with the Sonoma County Water Agency, June 1982. Bulletin 118-4: Evaluation of Ground Water Resources: Sonoma County, Volume 3: Petaluma Valley.

California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, January 2005, Table revised September 23, 2010. Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties.

Camp Dresser McKee., May 10, 2010. "Phase I Environmental Site Assessment of a Industrial Property, 890 N. McDowell Blvd, Petaluma, CA" prepared for SMART

Kleinfelder., February 15, 2017. "Phase II Environmental Investigation, 890 N. McDowell Blvd, and 320 Corona Road, Petaluma, CA" prepared for SMART

Kleinfelder., February 15, 2017. "Phase I Soil and Groundwater Investigation, 890 N. McDowell Blvd, and 320 Corona Road, Petaluma, CA" prepared for SMART

PEI, Inc., February 15, 2017. "Phase I Environmental Site Assessment of a Industrial Property, 890 N. McDowell Blvd, and 320 Corona Road, Petaluma, CA" prepared for Lomas Partners

San Francisco Regional Water Quality Control Board (RWQCB), "Environmental Screening Levels – Tier 1 ESLs, Feb 2016 (Rev. 3)", February 2016

US Environmental Protection Agency (EPA), Region IX, "Regional Screening Level (RSL) Residential Soil Table", May 2016

7.0 Statement of Environmental Professionals

This Assessment has been performed for the exclusive use and benefit of the addressee(s) identified on the cover of this report, or agents directly specified by it (them), for the transaction at issue concerning the subject property described in this report. This Assessment shall not be used or relied upon by others without the prior written consent of Pinnacle Environmental, Inc. and of the addressee(s) named on the cover of this report.

The objective of this limited subsurface investigation was to discover potential environmental impact from historical usage of the subject property to subsurface soils, as specified in the scope of services, with the limitations identified in the proposal. The field and laboratory procedures described herein were conducted in accordance with generally accepted environmental consulting practices in order to accomplish the stated objectives.

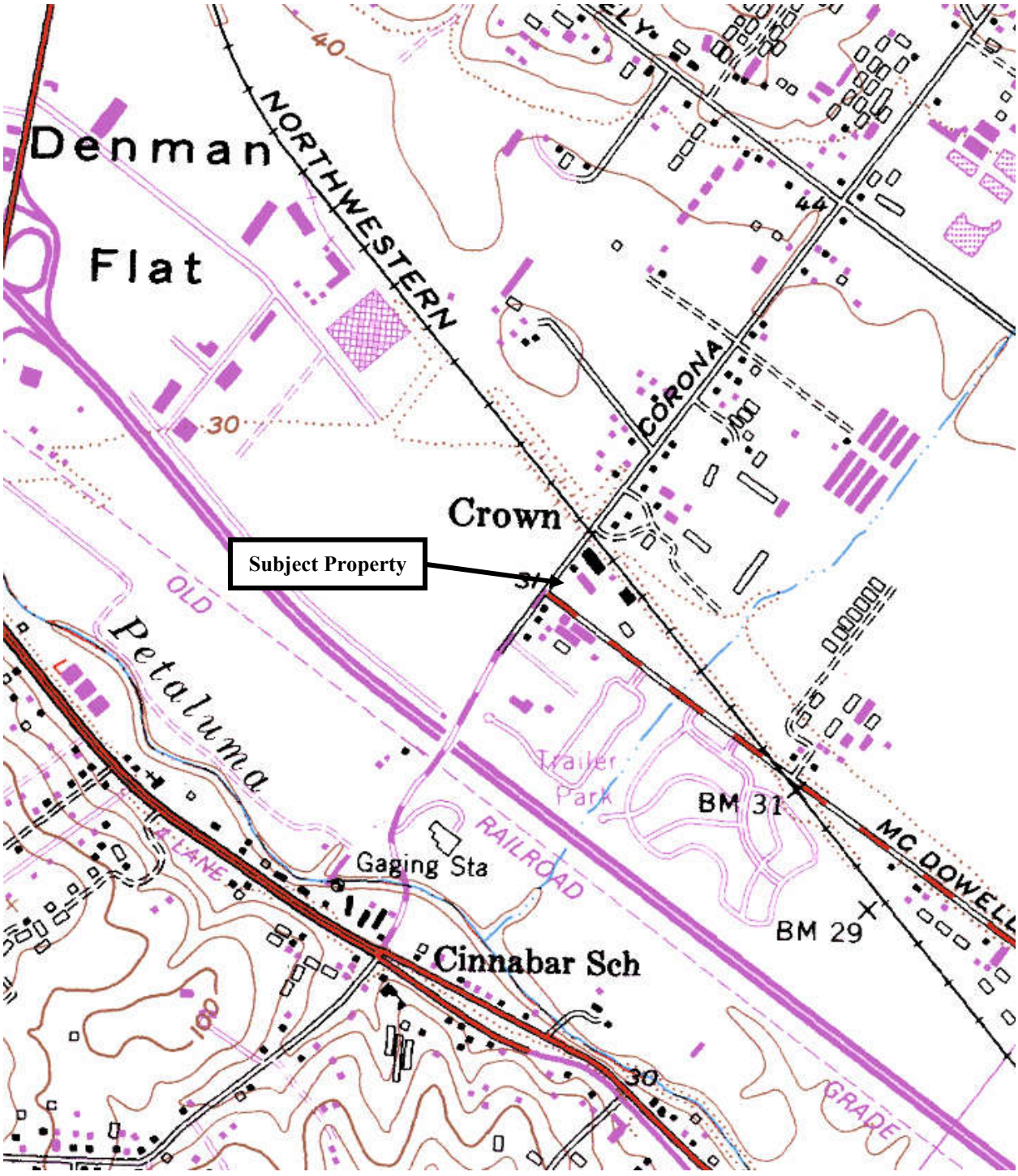
Signature of Environmental Consultant – Peter K. Cloven, CEM, REA:

Signature/Environmental Consultant

Signature of California Professional Geologist– Francois Bush, PG #7711:

Signature of Professional Geologist

FIGURES



USGS 7.5 Minute Topographic Map
1980 Cotati CA Quadrangle

NORTH

FIGURE: 1

890 N. McDowell & 320 Corona, Petaluma, CA

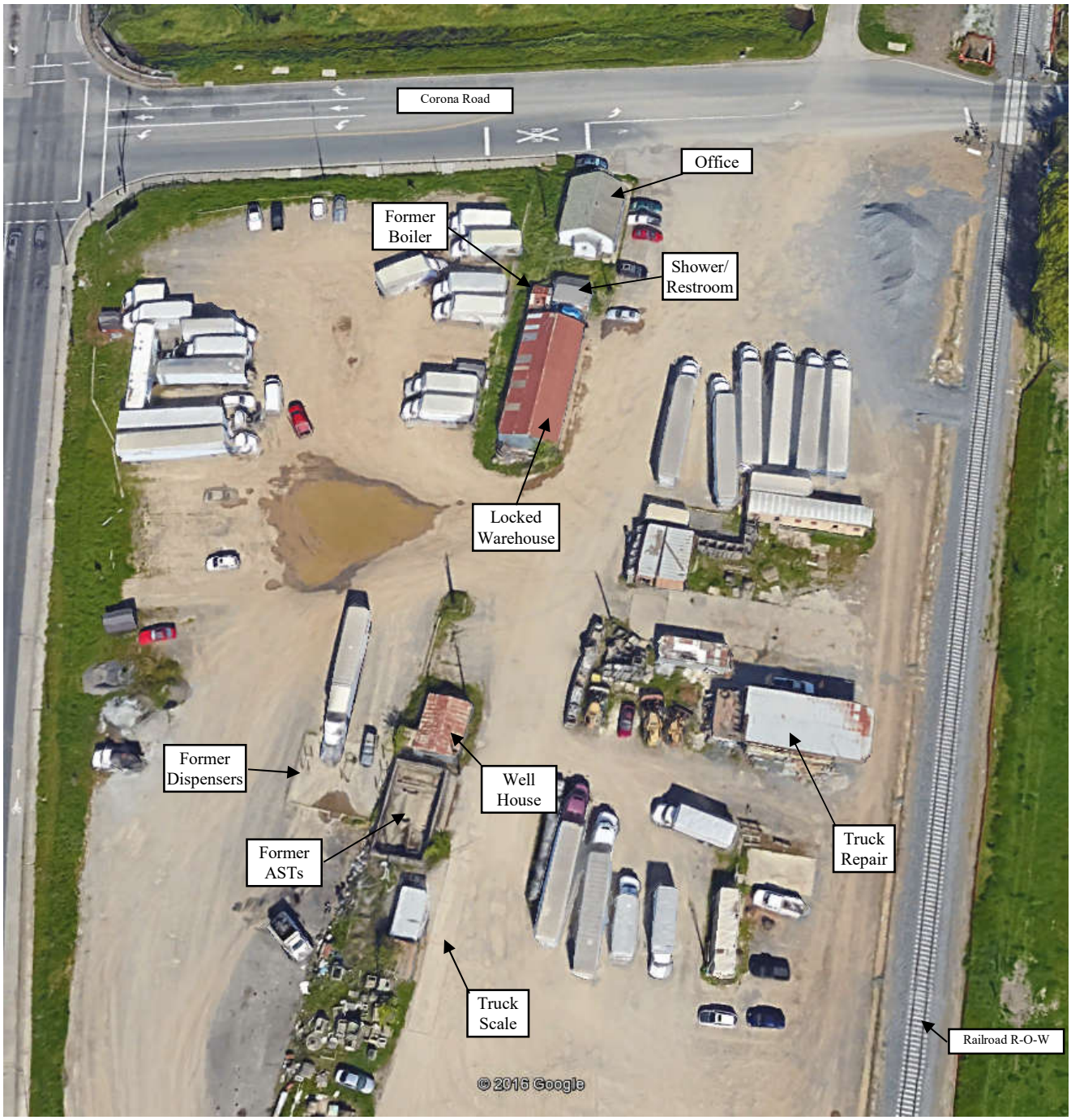
Pinnacle Environmental Inc.

Vicinity Aerial Photo ~ 2016

NORTH

FIGURE: 2

890 N. McDowell & 320 Corona, Petaluma, CA



Pinnacle Environmental Inc.

Site Map – Northern Portion

NORTH

FIGURE: 3

890 N. McDowell & 320 Corona, Petaluma, CA

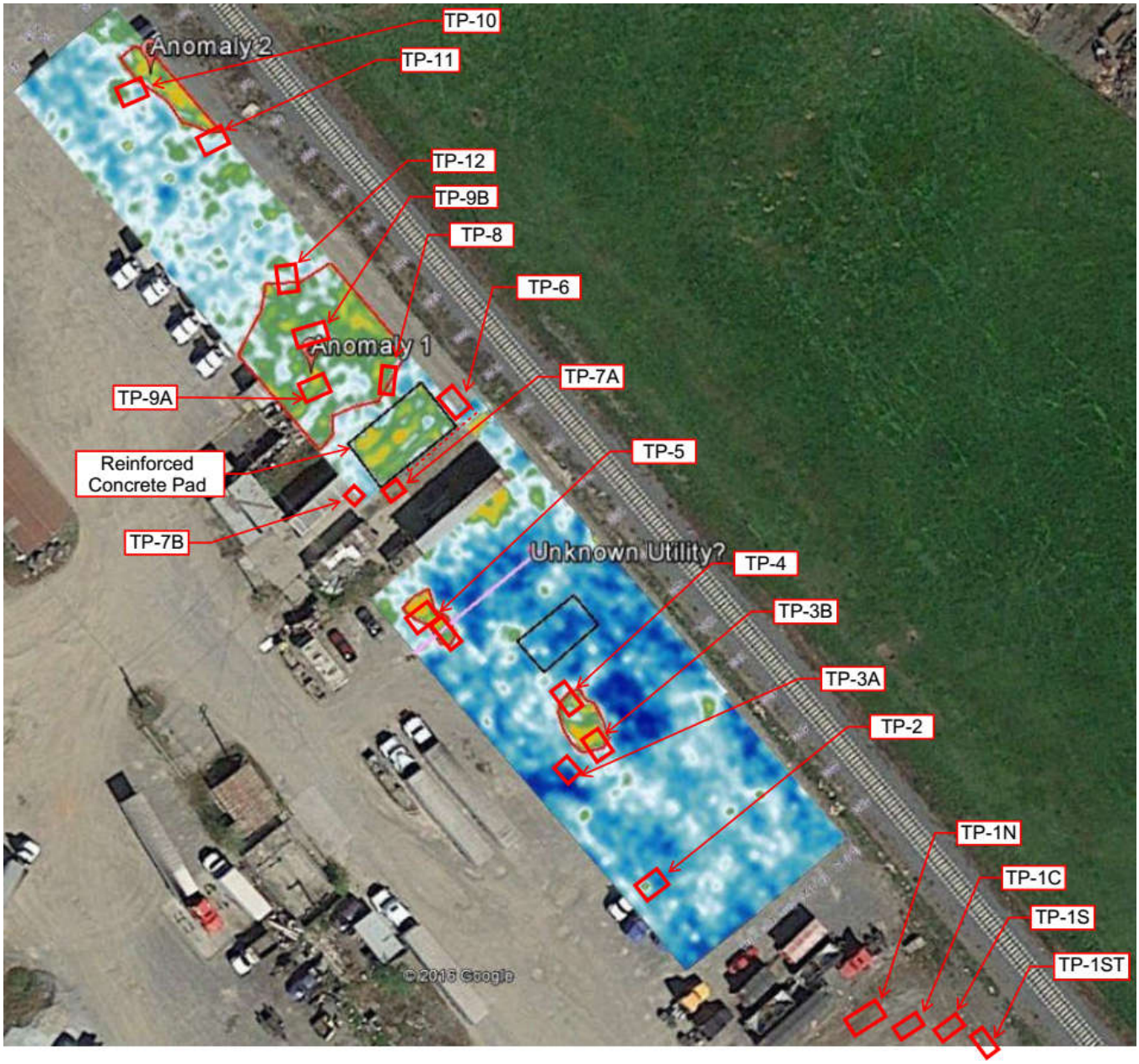
Pinnacle Environmental Inc.

Site Map – Southern Portion

NORTH

FIGURE: 4

890 N. McDowell & 320 Corona, Petaluma, CA



Pinnacle Environmental Inc.

Geophysical Survey &
Pit/Excavation Location Map

NORTH

FIGURE: 5

890 N. McDowell & 320 Corona, Petaluma, CA

MW-8 = Monitoring Well

SB-4 = Deep Soil Boring/Grab GW Sample

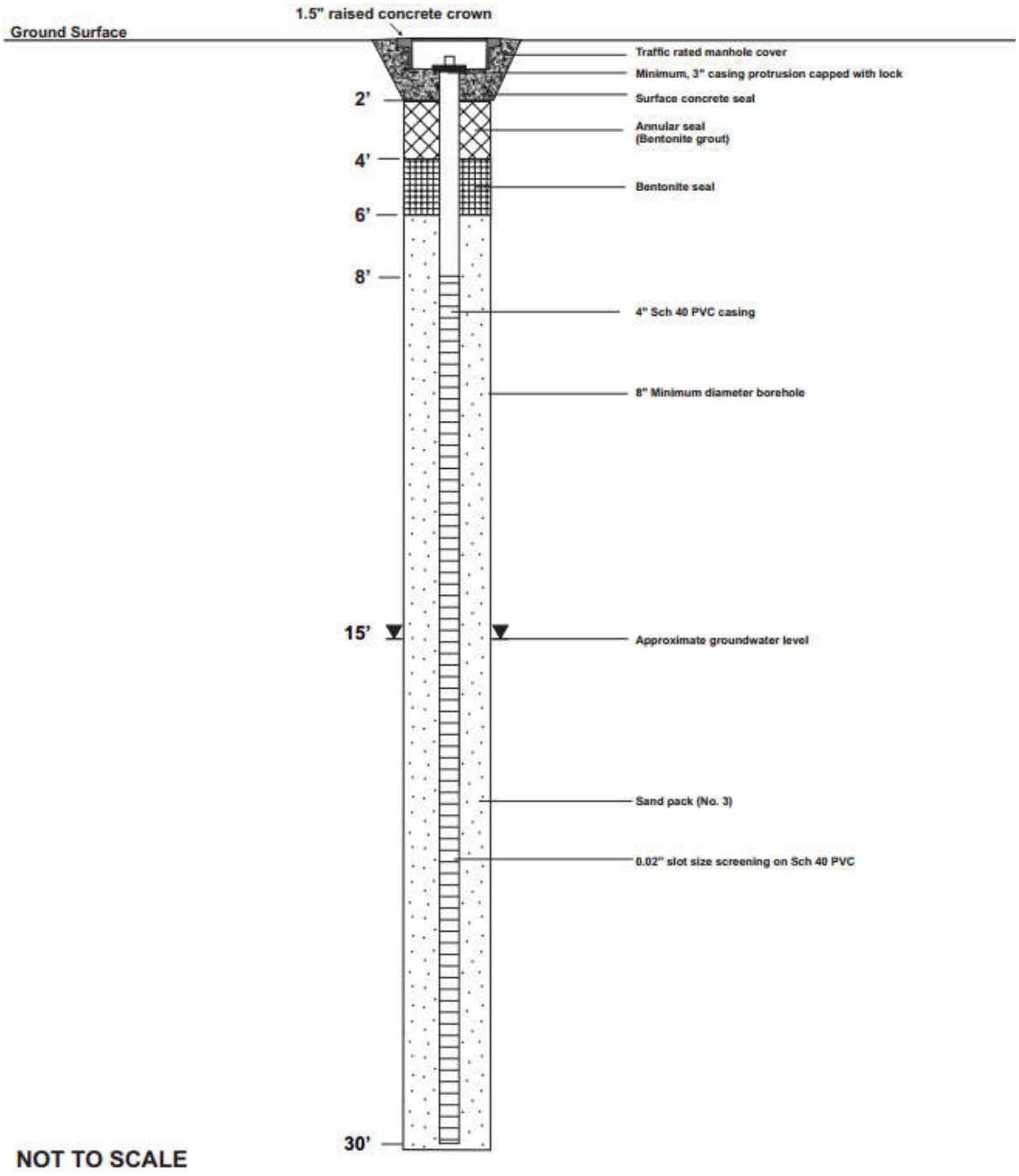
Pinnacle Environmental Inc.

Monitoring Well & Boring Location Map

NORTH

FIGURE: 6

890 N. McDowell & 320 Corona, Petaluma, CA



NOT TO SCALE

Pinnacle Environmental Inc.

Well Diagram

NORTH

FIGURE: 7

NORTH

Pinnacle Environmental Inc.

Shallow Soil/Vapor Samples

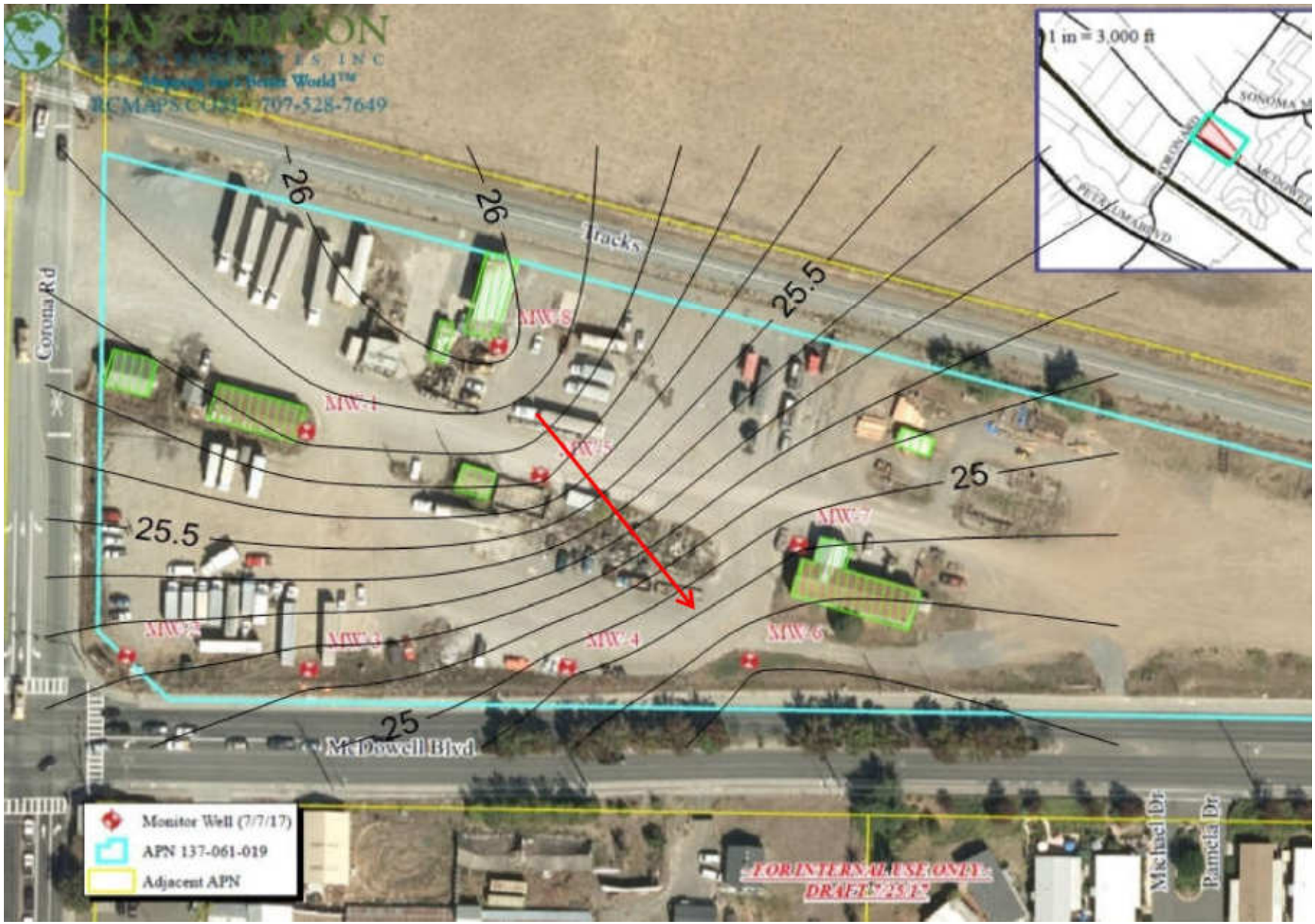
FIGURE: 8

Pinnacle Environmental Inc.

Shallow Soil Samples –
Southeast Portion of Property

NORTH

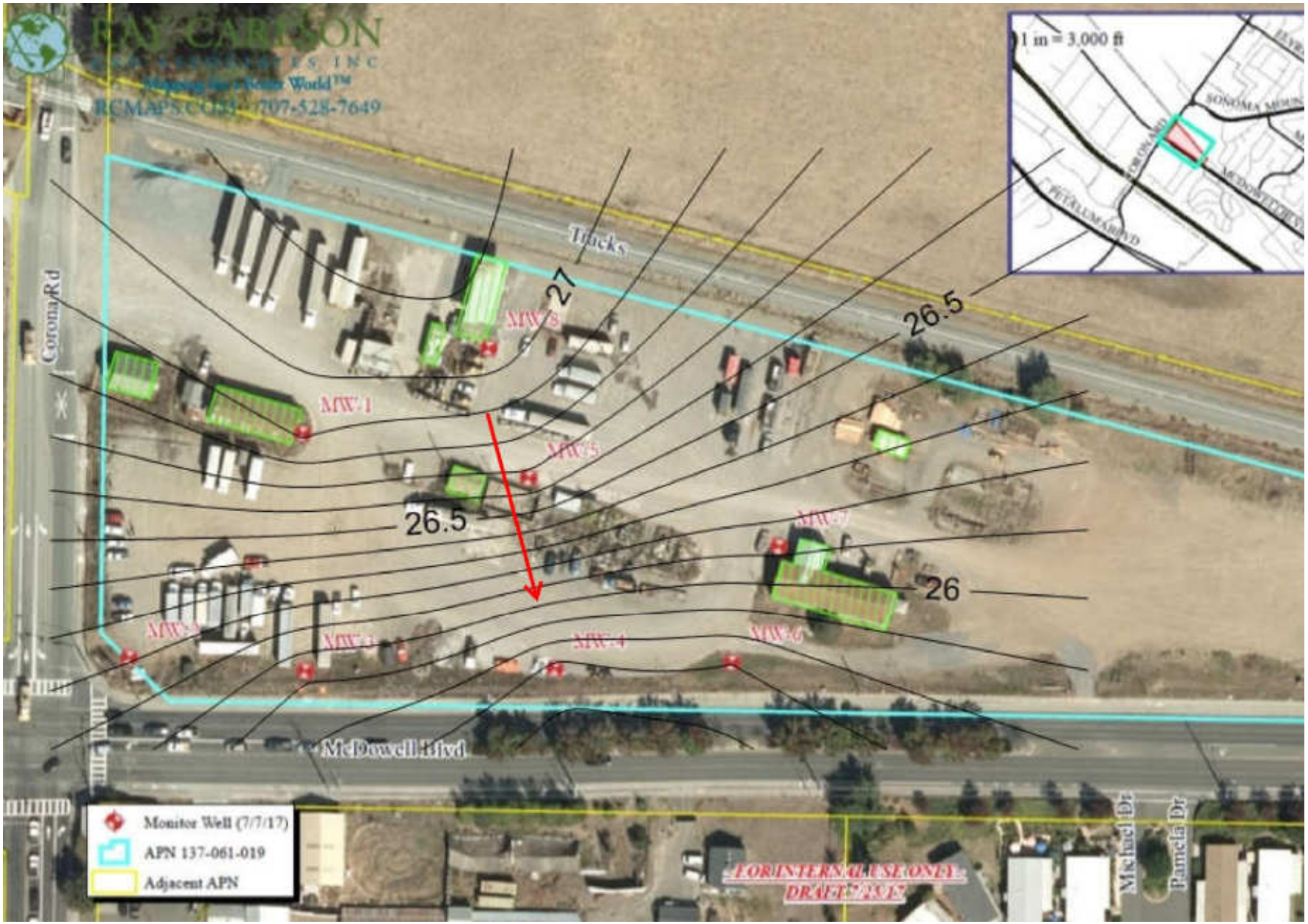
FIGURE: 9



Groundwater Isopleth – September 6, 2017
890 McDowell Boulevard, Petaluma, CA

NORTH

FIGURE:
10



Groundwater Isopleth – June 2, 2017
890 McDowell Boulevard, Petaluma, CA

NORTH

FIGURE: 11

APPENDIX A

GEOPHYSICAL SURVEY

SUBTRONIC
CORPORATION

National Utility Location
Contractors Association Member

5031 Blum Road, Suite 2
Martinez, California 94553
Telephone: (925) 228-8771
Fax No: (925) 228-8737
www.subtronic.com

GEOPHYSICAL SUBSURFACE INVESTIGATION

326 Corona Road, Petaluma, CA

For

Pinnacle Environmental 3/21/17

Objective:

The objective of the subsurface geophysical investigation was to try to delineate the location(s) of burn/disposal sites from the remnants of building destroyed by a fire in 1983 thought to exist within the site area.

Site Description:

The area surveyed consists of two areas south of the railroad tracks and east of Corona Road which are separated by a couple small buildings and an overhead permanent shade structure. The site was mostly flat, and consisted of a hard-packed dry soil. Some sections of reinforced and non-reinforced concrete was within the geophysical survey area. Trailers, cars, trucks, and any trash which was present on site was moved for the survey. The area surveyed did not cover the full scope of the burned building due to constant truck operations on site.

Site History:

The location has historically been developed and in use for various companies (transportation company, feed mill, etc).

The photo below is a historical photo of the site taken around 1980

Geophysical Equipment Used:

Geometrics G-858 MagMapper

The G-858 MagMapper is a cesium vapor magnetometer that detects the earth's magnetic field. This magnetometer uses new technology to get precise readings at rates up to 10 times per second. This enables Subtronic to quickly collect high resolution data over large areas. The data is stored on the console connected to the magnetometer. Following the data collection, the data is then downloaded to a computer for processing by the software contouring package. The results are analyzed and anomalies identified. It records data in G (Gauss).

Profiler EMP-400

The Profiler EMP-400 (EMP) is a powerful electromagnetic induction tool and can be used to reliably examine soil conditions and subsurface structures. It is a frequency domain, electromagnetic profiling system that acquires multiple frequencies. This enables the user to determine and select the best frequencies to achieve the best results for a specific task. The Profiler can be used to determine soil conductivity which is the ability of a material to transmit an electrical current which is directly correlated to the amount of salts in the soil. It records data in mS/m (conductivity)

GSSI SIR-4000

A SIR-4000 ground penetrating radar (GPR) system graphically records subsurface structures. Both geological and man-made structures are recorded by the introduction of a pulse of electromagnetic energy into the ground. Reflected pulses received by the antenna are then processed for measurable contrast in electrical properties. The result is a visual pseudo-cross-sectional profile. Primary applications of the GPR are detecting underground storage tanks, foundations, buried drums, previously excavated areas, burn/disposal sites, and voids. The GPR depth penetration is severely limited by clay-rich soil. Radar waves can penetrate deeper in sandy and gravelly soils.

Survey Methodology:

No apparent underground utilities were noted at this site via a visual site inspection. Utilities were not located and was outside the scope of work. For the geophysical surveys, a 90' (x) by 467' (y) grid (Grid PET1, PET2, and PET3) was laid out over the site area, and the corners were marked with pink whiskers (Fig. 4 Site Map). The G-858 magnetometer, EMP-400 profiler, and 400 MHz GPR data was collected along traverses spaced 2 feet apart. G-858 data was collected with a single bottom sensor taking readings every 0.1 seconds. EMP-400 data was collected at 10,000 Hz, with readings taken every 0.25 seconds. The GPR data was collected at 24 scans/ft, 512 samples per scan, and with a ns (nanosecond) time range of 100 seconds. A low-pass and high-pass filter was used at 100 and 800 MHz. Both the G-858 and EMP-400 data was processed using MagMap and contoured using Surfer 13. GPS readings were collected simultaneously with the G-858 and EMP-400 data, and were used to georeferenced the geophysical data in Google Earth.

Survey Results:

Using the EMP-400, three anomalous areas were observed, all located in grid PET1 (Fig. 1). Using the G-858 mag, six anomalous areas were observed, spread out across grids PET1, PET2, and PET3. Using the 400 MHz GPR, four anomalous areas were found across grids PET1 and PET2. Correlations between the three geophysical methods used was observed in two areas marked as anomalies 1 + 2. Areas. For further reference on the location of these anomalous areas, please see the included Google Earth KMZ file.

Figure 1 – EMP-400 survey results across grids PET1, PET2, and PET3. Anomalous areas detected with the EMP-400 circled in dark magenta. Minimum value is -300 mS/m, the maximum value is 900 mS/m, and the contour interval is 50 mS/m.

Figure 2 – G-858 Mag bottom sensor survey results across grids PET1, PET2, and PET3. Anomalous areas detected with the G-858 circled in dark pink. Minimum value is 32000 G, the maximum value is 62000 G, and the contour interval is 1000 G.

Figure 3 – GSSI SIR-4000 w/400MHz GPR results across grids PET1, PET2, and PET3. Anomalous areas detected with the GPR circled in red. Dark blue is least reflective and yellow is most reflective.

Conclusion:
Agreement between the three geophysical methods used was observed in two anomalous areas (anomalies 1 + 2 in figures 1-3). Anomaly 2 in the NW corner of the surveyed area is very linear and narrow, appearing to consist of two objects running closely parallel to each other, and it is unlikely to be related to the burn/disposal site. Anomaly 2 looks similar to other observed patterns from possible utilities such as large gas lines, high voltage lines, etc.

Anomaly 1 is likely to be the predicted burn/disposal site based on the strength of the GPR reflections, the strong EMP conductivity values, and the slightly elevated magnetic signature from the G-858. The overall area for anomalous area 1 is ~3000 sq ft, large enough to correspond to a potential burn/disposal site from the burned building.

Potholing or drilling is recommended for Anomaly 1 to find evidence of the suspected burn/disposal site. Google Earth KMZ files have been provided with this report for further analysis and for accurate locations of anomalous features identified.

Limitations:
The subsurface geology, object size and composition, burial depth, affect the size and shape of geophysical anomalies, which may impede their detection. The limits of discernment of this magnetic survey are the detection of objects within 15 feet of metal fences, buildings, vehicles and other identified metal objects.

Report Prepared By:
Stefan M. Burns and Pierre Armand

Pierre Armand, RGP 1021

Figure 4 - Site Map

APPENDIX B

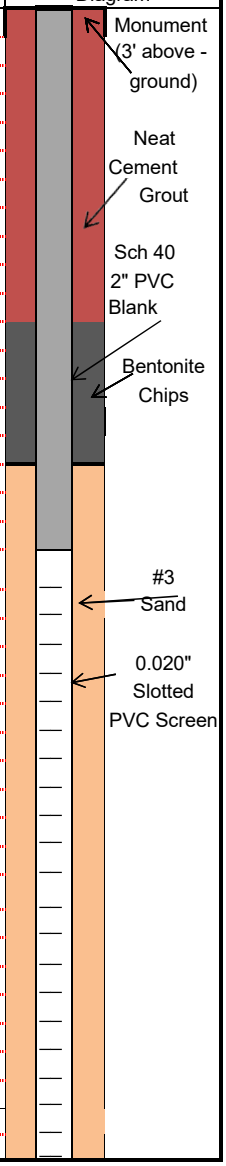
BORING LOGS & WELL DIAGRAM

Boring/Well Number: MW-1

Project Number: 16-3985	Date Started: 5/31/17
Project Name: Corona Station	Date Completed: 5/31/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 15.9'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, windy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	GP	Light gray gravel with sand
				1	CL	Very dark gray CLAY, soft, damp, no odor (0% gvl, 0% sand, 100% fines)
				2		
				3		
				4		
	6			X		
	10		MW-1	X 5		
1250	14	0	-5	X		
				6		
				7		
						Becomes light olive gray with little fine sand, medium stiff, dry
				8		no odor (0% gvl, 10% sand, 90% fines)
				9		
	6		MW-1	X		
1255	8	0	-10	X10		
	12			X		
				11		
				12		
				13		
				14		
	11		MW-1	X 15	SW	Olive brown fine to coarse SAND with some clay and little fine
1300	11	0	-15	X		gravel, loose, wet, no odor (5% gvl, 80% sand, 15% fines)
	15			X 16		
				17		
				18		
				19		
	5		MW-1	X		
1310	13	0	-20	X 20		



Boring/Well Number: MW-1

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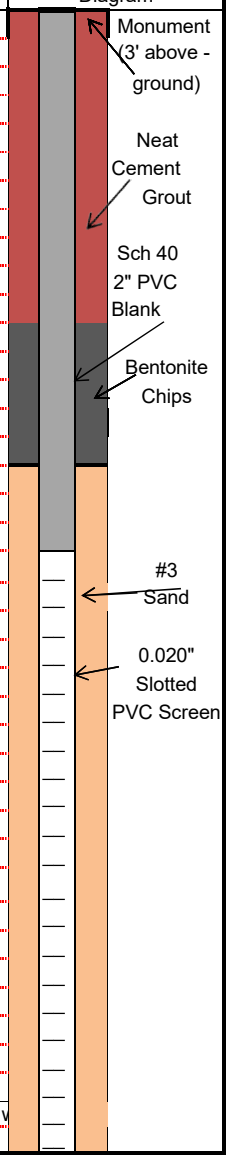
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	23	0		X 20			
	23			X	CL	Light ovile gray sandy CLAY, stiff, moist to wet, no	
				21		odor (0% gvl, 15% sand, 85% fines)	#3 Sand
				22			
				23			0.020" Slotted
				24			
	5			X			Bottom Cap
1325	11	0		X 25	SC	Light olive gray clayey fine SAND, loose, wet, no	
	14			X		odor (0% gvl, 55% sand, 45% fines)	
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			

Boring/Well Number: MW-2

Project Number: 16-3985	Date Started: 5/30/17
Project Name: Corona Station	Date Completed: 5/30/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 20.3'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, windy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	GP	Light gray gravel with sand
				1	CL	Very dark gray CLAY, medium stiff, dry, no odor (0% gvl,
				2		0% sand, 100% fines)
				3		
				4		
	4			X		
1235	7		MW-2	X 5		
	9	0	-5	X		
				6		
				7		
				8		
				9		
	10		MW-2	X	SC/	Light olive gray clayey find SAND to sandy CLAY, dense/stiff,
1235	15	0	-10	X10	CL	moist to wet, no odor (0%gvl, 50%sand, 50%fines)
	17			X		
				11		
				12		
				13		
				14		
	6			X		
	13		MW-2	X 15	SP	Light tan fine to medium SAND, very dense, wet, no odor
1244	20	0	-15	X		gravel, loose, wet, no odor (5% gvl, 80% sand, 15% fines)
	21			X 16		
	6		MW-2	X		
1258	13		-17	X17		
	15			X		
	15			X 18		
				19		
	9		MW-2	X	CL/	Light olive brown clayey find SAND to sandy CLAY, dense/stiff, v
1302	11	0	-20	X 20	SC/	no odor (0%gvl, 50%sand, 50%fines)



Boring/Well Number: MW-2

Page 2 of 2

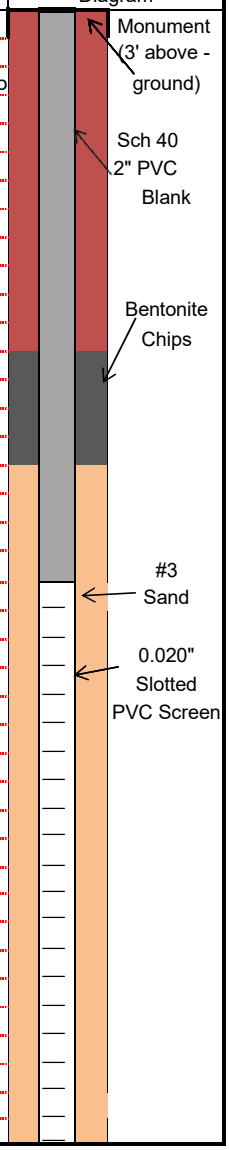
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	12	0		X 20	CL/	Light olive brown clayey find SAND to sandy CLAY,	
	12			X	SC	dense/stiff, wet, no odor (0%gvl, 50%sand, 50%fines)	
				21			#3 Sand
				22			
				23			0.020" Slotted
				24			
	6		MW-2	X		Grades to olive brown CLAY, medium stiff, moist, no	
1310	8	0	-25	X 25	CL	odor (0% gvl, 0% sand, 100% fines)	Bottom Cap
	12			X			
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			

Boring/Well Number: MW-3

Project Number: 16-3985	Date Started: 5/30/17
Project Name: Corona Station	Date Completed: 5/30/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 16.4'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Cloudy, breezy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	GP	Light gray gravel with sand
				1		
					CL	Very dark gray CLAY with trace fine gravel, medium stiff, dry, no
				2		odor (2% gvl,0% sand, 98% fines)
				3		grades to no gravel (0% gvl,0% sand, 100% fines)
				4		
	4			X		
911	6	1.2	MW-3	X 5		
	7		-5	X		
				6		
				7		
				8		
				9		
	4		MW-3	X		becomes light olive brown, trace fine sand, damp
915	7	1.1	-10	X10		(0% gvl, 2% sand, 98% fines)
	10			X		
				11		
				12		
				13		
				14		
	6		MW-3	X 15		grades to no sand, damp (0% gvl,0% sand, 100% fines)
922	12	1.2	-15	X		
	13			X 16		
						water at 16.4' at 10:00
				17		
				18		
				19		
	9		MW-3	X	SC	Light olive brown clayey fine sand, dense, moist to wet, no odor
932	13	0.9	-20	X 20		(0% gvl, 60% sand, 40% fines)



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Boring/Well Number: MW-3

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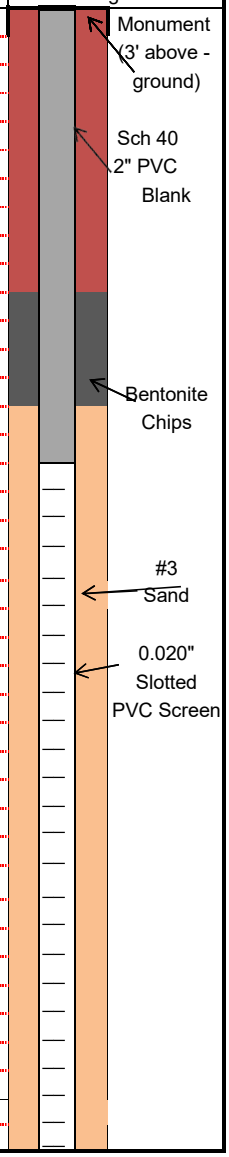
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	16			20	SC		
	16						
				21			#3 Sand
				22			
				23			0.020" Slotted PVC Screen
	4			24			
	5		MW-3				
932	12	0.9	-24	25			
	15						
				26			
				27			
				28			
				29			
	7						
	10		MW-3	30			
950	12	1.4	-30				Bottom Cap
	12			31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			

Boring/Well Number: MW-4

Project Number: 16-3985	Date Started: 5/31/17
Project Name: Corona Station	Date Completed: 5/31/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 16'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, windy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	CL	Very dark gray CLAY with trace of fine sand, soft, dry, no odor
				1		(0% gvl,2% sand, 98% fines)
				2		
				3		
				4		
	7			X		Grades to light olive gray with increase in find sand, medium
955	7	2	MW-4	X 5		stiff (0% gvl,25% sand, 75% fines)
	10		-5	X		
				6		
				7		
				8		
				9		
	9		MW-4	X		increase in sand, damp (0% gvl,35% sand, 65% fines)
1000	17	3.4	-10	X10		
	19			X		
				11		
				12		
				13		
				14		
						Groundwater at 14.3 feet bgs at 10:40
	4		MW-4	X 15		
1010	7	2	-15	X		decrease in sand (0% gvl,15% sand, 85% fines)
	20			X 16		
				17		
				18		
				19		
	5		MW-4	X		
1015	8	0	-20	X 20		



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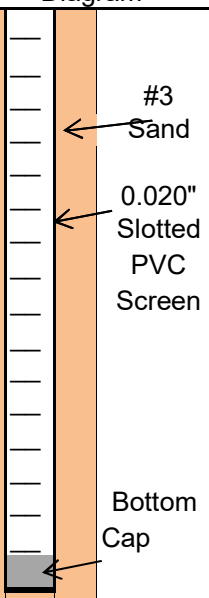
Boring/Well Number: MW-4

Page 2 of 2

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	9			20	CL		
				21			
				22			
				23		Becomes wet	
	5			24			
	7		MW-4				
1025	9	0.3	-25	25			
	12						
				26			
				27			
	8		MW-4				
1035	19	2.2	-28	28			
	21						
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			

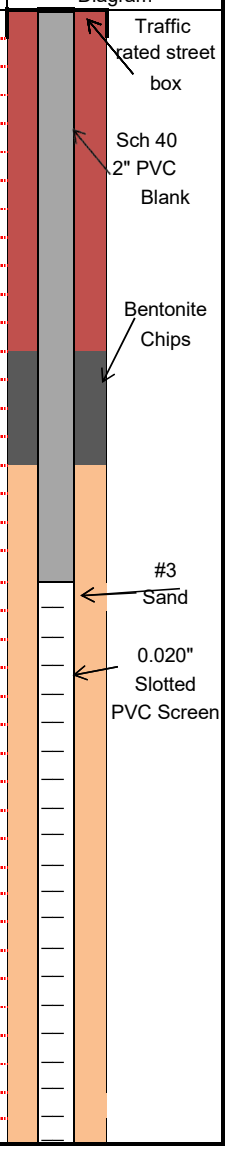


Boring/Well Number: MW-5

Project Number: 16-3985	Date Started: 5/31/17
Project Name: Corona Station	Date Completed: 5/31/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 25.3'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, breezy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	AF	Concrete
				1		
		4.3			CL	Very dark gray CLAY with trace fine gravel and sand, soft, dry,
				2		slight odor (heavy oil odor) (2% gvl,2% sand, 96% fines)
				3		
				4		
	9			X		
1517	9	0.3	MW-5	X 5		becomes light gray, increase in sand, no gravel, medium stiff
	12		-5	X		no odor (0% gvl,10% sand, 90% fines)
				6		
				7		
				8		
				9		
	13		MW-5	X		no sand
1522	15	0	-10	X10		(0% gvl, 0% sand, 100% fines)
	15			X		
				11		
				12		
				13		
				14		
	7		MW-3	X 15		becomes medium olive gray
1527	8	1.1	-15	X		
	16			X 16		
				17		
				18		
				19		
	4		MW-3	X		sampler wet
1535	8	0	-20	X 20		



Boring/Well Number: MW-5

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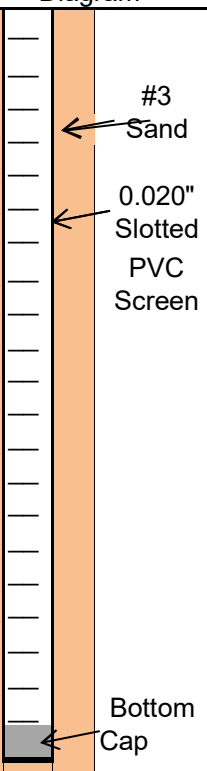
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
	23			X 20	CL	
				21		
				22		
				23		
				24		
	6		MW-5	X		some fine sand, soft, moist to wet
1540	8	0	-24	X 25		(0% gvl,10% sand, 90% fines)
	14			X		
				26		
				27		
	5		MW-5		SC	Light olive gray clayey fine SAND, medium dense,
1547	7	0.4	-28	28		wet, no odor (0% gvl, 60% sand, 40% fines)
	15					
				29		
	5			X		grades to light olive gray clayey fine SAND to sandy
	6		MW-5	X 30		CLAY, medium stiff, dense, wet, no odor
1553	17	0	-30	X		(0% gvl, 50% sand, 50% fines)
	29			X 31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		

Well Completion Diagram

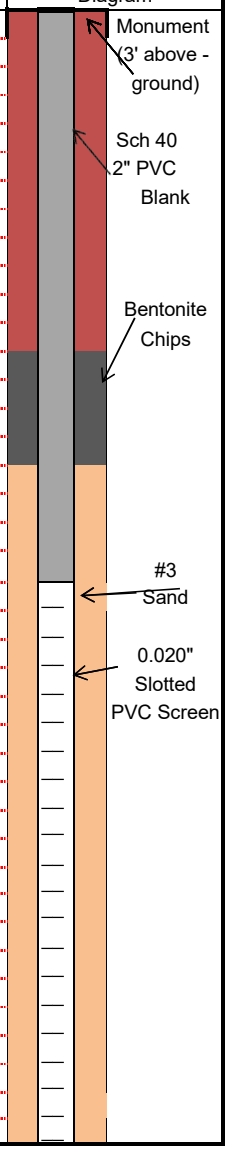


Boring/Well Number: MW-6

Project Number: 16-3985	Date Started: 6/1/17
Project Name: Corona Station	Date Completed: 6/1/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 16'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Cloudy, breezy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
					CL	Very dark gray CLAY with trace of fine sand, soft, dry, no odor
				1		(0% gvl,2% sand, 98% fines)
				2		
				3		
				4		
	10			X		becomes light gray with little fine sand, hard, dry, no odor
800	12	0.3	MW-6	X 5		(0% gvl,10% sand, 90% fines)
	13		-5	X		
				6		
				7		
				8		
				9		
	5		MW-6	X		becomes light olive brown, no sand, medium stiff, damp
810	8	0	-10	X10		(0% gvl, 0% sand, 100% fines)
	11			X		
				11		
				12		
				13		
				14		
	4		MW-6	X 15		
815	8	0.5	-15	X		
	12			X 16		Water at 16 feet at 0905
				17		
				18		
				19		
	7		MW-6	X		becomes medium olive brown, soft, damp (sampler wet)
830	9	0.4	-20	X 20		



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Boring/Well Number: MW-6

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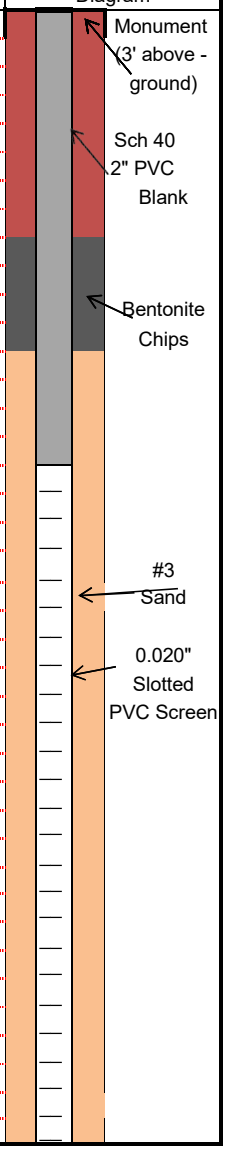
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	16			20	CL		
				21			#3 Sand
				22			
				23			0.020" Slotted PVC Screen
				24			
	4		MW-6				
843	5	0	-25	25			
	8						
				26			
	4			27			
847	5		MW-6		SC	Olive brown clayey fine to medium SAND, loose, wet	
	8		27	28		no odor (0% gvl,70% sand, 30% fines)	
				29			
	4		MW-6	30			Bottom Cap
852	9	0.5	-30				
	10			31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			

Boring/Well Number: MW-7

Project Number: 16-3985	Date Started: 6/1/17
Project Name: Corona Station	Date Completed: 6/1/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 15'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, windy

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	CL	Very dark gray CLAY with trace of fine sand, soft, dry, no odor
				1		(0% gvl,2% sand, 98% fines)
				2		
				3		
				4		
	9			X		becomes olive gray with little fine gravel and coarse sand
1040	9	0	MW-7	X 5		(5% gvl,5% sand, 90% fines)
	15		-5	X		
				6		
				7		
				8		
				9		
	5		MW-7	X	SC	Olive gray clayey fine SAND, dense, dry, no odor
1045	11	0.4	-10	X10		(0% gvl, 60% sand, 40% fines)
	15			X		
				11		
				12		
				13		
				14		
	4		MW-7	X 15	CL	Olive gray CLAY, stiff, damp to moist (sampler wet), no odor
1050	8	0	-15	X		(0% gvl,0% sand, 100% fines)
	12			X 16		
				17		
					SC	Olive gray clayey fine SAND, dense, wet to moist, no odor
				18		(0% gvl, 60% sand, 40% fines)
				19		
	8		MW-7	X		
1054	12	0	-20	X 20		



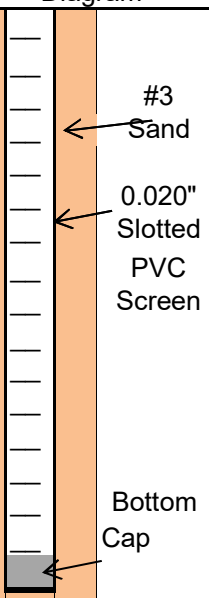
Pinnacle Environmental Inc.

Boring/Well Number: MW-7

Page 2 of 2

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
	16			X 20	SC	
				21		
				22		
				23		
				24		
	6		MW-7	X		grades to increase in clay, dense/stiff, moist to wet
1058	8	0	-25	X 25		(0% gvl, 50% sand, 50% fines)
	9			X		
				26		
				27		
	6		MW-7	X		Olive gray CLAY with trace of fine sand, stiff, dry, no
1103	10	0.5	-28	X 28	CL	odor (0% gvl, 2% sand, 98% fines)
	12			X		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		

Well Completion Diagram

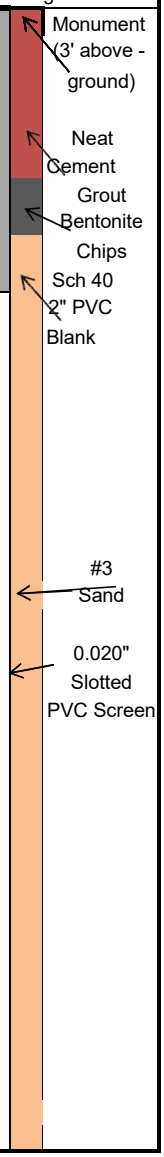


Boring/Well Number: MW-8

Project Number: 16-3985	Date Started: 5/31/17
Project Name: Corona Station	Date Completed: 5/31/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: Sch 40 PVC - 2"
Drill Rig: CME-75	Screen Type/Slot: Sch 40 PVC - 0.020"
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: #3 Sand (Monterey)
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water (encountered): 7.2'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup, 3 ft

Remarks: Groundwater Sample Collected @ between bgs Weather: Sunny, windy

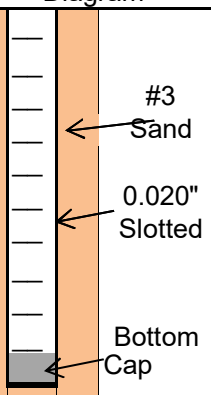
Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description
				0	GP	Light gray gravel with sand
				1		
					SC	Light gray to dark gray clayey find SAND, dense, dry, no odor
				2		(0% gvl,60% sand, 40% fines)
				3		
				4		
	2			X		
740	3	1.7	MW-8	X 5		
	4		-5	X		
				6		
				7		Becomes wet, water level measured at 7.2' @0930
				8		
				9		
	6		MW-8	X		
745	8	11.2	-10	X10		
	15			X		
				11	CL	Dark gray sandy CLAY, stiff, moist to damp, no odor
						(0% gvl,20% sand, 80% fines)
				12		
				13		
				14		
	5		MW-8	X 15		
750	8	10.5	-15	X		
	15			X 16		
	5		MW-8	X		
755	8	5.1	-17	X17	SC	Dark gray clayey find SAND, dense, moist, no odor
	10			X		(0% gvl,60% sand, 40% fines)
	17			X 18		
				19		
	5		MW-8	X		Light olive brown clayey find SAND to sandy CLAY, dense/stiff, v
800	9	5	-20	X 20	SC	no odor (0%gvl, 50%sand, 50%fines)



Boring/Well Number: MW-8

Page 2 of 2

Time	Blow Counts	PID Reading (ppm)	Sample ID.	Depth (ft BGS)	USCS	Lithologic Description	Well Completion Diagram
	13			X 20	SC		
				21			
				22		Becomes light olive brown, moist to wet	
				23			
				24			
	6		MW-8	X		Grades to olive brown CLAY, medium stiff, moist, no	
1310	8	2	-25	X 25	CL	odor (0% gvl, 0% sand, 100% fines)	
	12			X			
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			



Boring/Well Number: SB-1

Project Number: 16-3985	Date Started: 6/2/17
Project Name: Corona Station	Date Completed: 6/2/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 13.9'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @11:05 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				_ _	GP	Gray sandy GRAVEL, dense
			5/5/90	_ 1 _	CL	Dark gray CLAY with little fine gravel and sand, medium stiff, dry,dry, no odor
				_ 2 _		
				_ 3 _		
				_ 4 _		
				X		becomes light olive gray CLAY, very stiff, dry, no odor
0	1034	SB-1-5	0/0/100	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X		grades to medium olive brown, little fine sand
0	1038	SB-1-10	0/10/90	X_10		
				X		
				_11_		
				_12_		
				_13_		
				_14_		
				X		
0	1043	SB-1-15	0/0/100	X_15		becomes medium soft, no sand, damp to moist
				X		
				_ 16		
				_17		
				_18		
				_19		
				X		becomes stiff to very stiff, damp to moist
0	1047	SB-1-20	0/0/100	X_ 20		

Boring/Well Number: SB-1

PID reading (ppb	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				X 20	CL	
				21		
			0/70/30	22	SC	Olive brown clayey fine to medium SAND, medium dense
						no odor
				23		
				24		
		SB-1		X		
0	1055	-25	0/70/30	X 25		
				X		
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		

Boring/Well Number: SB-2

Page 1 of 1

Project Number: 16-3985	Date Started: 6/2/17
Project Name: Corona Station	Date Completed: 6/2/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 18.2'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @12:40 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				_ _	GP	Gray sandy GRAVEL, dense
			0/0/100	_ 1 _	CL	Dark gray CLAY, soft, dry, no odor
				_ 2 _		
				_ 3 _		
				_ 4 _		
				X		becomes dark gray, medium stiff
0	1214	SB-2-5	0/0/100	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X		becomes bluish-gray, trace fine sand, slight odor
118	1219	SB-2-10	0/2/98	X_10		
				X		
				_11_		
				_12_		
				_13_		
				_ 14		
				X		
0.3	1224	SB-2-15	0/2/98	X_15		becomes olive brown with some blue-gray motteling, very stiff no odor
				X		(sampler wet)
				_ 16		
				_17		
				_18		
				X_19		
				X	SC	Olive gray clayey fine to medium SAND, loose, wet, no odor
0	1230	SB-2-20	0/70/30	X_ 20		

Figure A-

Boring/Well Number: SB-3

Project Number: 16-3985	Date Started: 6/1/17
Project Name: Corona Station	Date Completed: 6/1/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 24.5'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @15:20 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				_ _	GP	Gray sandy GRAVEL, dense
			0/0/100	_ 1 _	CL	Very dark gray CLAY, soft, dry, no odor
				_ 2 _		
				_ 3 _		
				_ 4 _		
				X		grades to olive brown CLAY with some fine sand, medium stiff, damp, no odor
0	1435	SB-3-5	0/10/90	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X	SC/	grades to olive brown clayey find SAND to sandy CLAY, soft/ medium dense
0	1440	SB-3-10	0/50/50	X_10	CL	damp to moist, no odor
				X		
				_11_		
				_12_		
				_13_		
				_14		
				X		
0	1445	SB-3-15	0/0/100	X_15	CL	Olive brown CLAY, medium stiff, damp, no odor (sampler wet)
				X		
				_ 16		
				_17		
				_18		
				_19		
				X		
0	1450	SB-3-20	0/0/100	X_ 20		

Boring/Well Number: SB-3

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				X 20	CL	
				21		
				22		
				23		
				24		
				X		
	1500	NR		X 25		No Recovery
				X		
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		

Boring/Well Number: SB-4

Project Number: 16-3985	Date Started: 6/1/17
Project Name: Corona Station	Date Completed: 6/1/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 16'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @13:45 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
			2/2/96	_ _	CL	Very dark gray CLAY with trace fine gravel and sand, soft, dry, no odor
				_ 1 _		
				_ 2 _		
				_ 3 _		
				_ 4 _		
				X		becomes bluish gray CLAY (no gravel or sand), stiff
0	1310	SB-4-5	0/0/100	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X		becomes olive brown with some fine sand, stiff, dry
0	1317	SB-4-10	0/15/85	X_10		
				X		
				_11_		
				_12_		
				_13_		
				_ 14		
				X		
0	1321	SB-4-15	0/0/100	X_15		becomes olive brown with some blue-gray motteling, very stiff no odor
				X		
				_ 16		
				_17		
				_18		
				X_19		
				X	SC	Olive brown clayey fine SAND, dense, moist to wet, no odor
0	1327	SB-2-20	0/60/40	X_ 20		

Boring/Well Number: SB-5

Page 1 of 1

Project Number: 16-3985	Date Started: 6/2/17
Project Name: Corona Station	Date Completed: 6/2/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 16.5'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @08:30 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
				_ _	GP	Gray sandy GRAVEL, dense
				_ 1 _		
			0/0/100		CL	Very dark gray CLAY, soft, dry, no odro
				_ 2 _		
				_ 3 _		
				_ 4 _		
				X		becomes medium stiff
0	758	SB-5-5	0/0/100	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X		becomes light olive gray with some fine sand, damp
0	807	SB-5-10	0/15/85	X_10		
				X		
				_11_		
				_12_		
				_13_		
				_ 14		
				X		
0.3	812	SB-5-15	0/70/30	X_ 15	SC	Mottled olive brown / bluish gray clayey fine to medium SAND dense, moist, no
				X		odor (sampler wet)
				_ 16		
				_17		
						becomes wet
				_18		
				X_19		
				X	SC	slight odor
1.9	819	SB-5-20	0/70/30	X_ 20		

Boring/Well Number: SB-6

Page 1 of 1

Project Number: 16-3985	Date Started: 6/2/17
Project Name: Corona Station	Date Completed: 6/2/17
Site Location: 320 Corona Rd, Petaluma	Casing Type/Diameter: N/A
Drilling Rig: CME-75	Screen Type/Slot: N/A
Drilling Method: Hollow Stem Auguer	Gravel/Sand Pack Type: N/A
Sampling Method: CA Split Spoon	Grout Type/Quantity: Neat Portland Cement
Boring Diameter: 8"	Depth to Water: 15.5'
Logged by: Francois Bush	Elevation of Top of PVC Casing:
Drilling Contractor: Cascade Drilling	Casing Stickup

Remarks: Groundwater Sample Collected @09:40 between bgs

PID reading (ppb)	Time	Sample ID	% gvl/sand/fines	Depth (ft BGS)	USCS	Lithologic Description
			0/0/100	_ _	CL	Very dark gray CLAY, soft, dry, no odor
				_ 1 _		
				_ 2 _		
				_ 3 _		
			0/10/90			becomes light olive gray with some fine sand, medium stiff
				_ 4 _		
				X		
0	918	SB-6-5	0/10/90	X 5		
				X		
				_ 6 _		
				_ 7 _		
				_ 8 _		
				_ 9 _		
				X	SC/	Olive brown clayey fine SAND to sandy CLAY, dense, medium stiff, moist to wet
0	922	SB-6-10	0/50/50	X_10	CL	no odor
				X		
				_11_		
				_12_		
				_13_		
				_ 14		
				X		
0	926	SB-6-15	0/0/100	X_15	CL	olive brown CLAY, soft, moist, no odor
				X		(sampler wet)
				_ 16		
				_17		
				_18		
				X_19		
				X		becomes very stiff, damp to dry
0	930	SB-6-20	0/0/100	X_ 20		

APPENDIX C

WELL SURVEY DATA & MAPS

Description	Longitude	Latitude	Level Ht	Northing	Easting	Comments	RCA Pt#
MW-1	-122.65585992	38.26691067	36.36	1,859,703.91	6,373,357.40	North Rim PVC	15000
MW-1 GND	-122.65585951	38.26691177	33.32	1,859,704.31	6,373,357.52	Ground-North Side Conc.	15001
MW-2	-122.65658478	38.26672249	35.83	1,859,636.89	6,373,148.78	North Rim PVC	15003
MW-2 GND	-122.65658513	38.26672397	32.82	1,859,637.43	6,373,148.69	Ground-North Side Conc.	15002
MW-3	-122.65621955	38.26649017	35.23	1,859,551.52	6,373,253.04	North Rim PVC	15004
MW-3 GND	-122.65622033	38.26649107	32.37	1,859,551.85	6,373,252.82	Ground-North Side Conc.	15005
MW-4	-122.65566932	38.26619644	36.20	1,859,443.42	6,373,410.24	North Rim PVC	15007
MW-4 GND	-122.65566975	38.26619791	32.51	1,859,443.95	6,373,410.12	Ground-North Side Conc.	15006
MW-5	-122.65543389	38.26656214	33.02	1,859,576.11	6,373,478.80	Rim,apprx S 30 W. North side obstructed.	15015
MW-5 GND	-122.65543397	38.26656327	33.25	1,859,576.52	6,373,478.78	Ground-North Rim Christy.	15014
MW-6	-122.65527266	38.26599823	35.53	1,859,370.41	6,373,523.61	North Rim PVC	15008
MW-6 GND	-122.65527353	38.26599660	31.84	1,859,369.82	6,373,523.36	Ground-South Side Conc.	15009
MW-7	-122.65499094	38.26614688	36.04	1,859,423.96	6,373,604.89	North Rim PVC	15011
MW-7 GND	-122.65499109	38.26614864	32.83	1,859,424.60	6,373,604.85	Ground-North Side Conc.	15010
MW-8	-122.65532133	38.26683842	37.73	1,859,676.49	6,373,511.84	North Rim PVC	15012
MW-8 GND	-122.65532083	38.26683647	34.00	1,859,675.77	6,373,511.98	Ground-South Side Conc.	15013

Note: GPS Field Survey & Level Loop performed on site 7/7/17 by Ray Carlson & Assoc., Inc. (Lic#3890). Northings & Eastings are CA State Plane, Zone 2

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THIS MAP IS AN ENLARGEMENT OF SMALLER-SCALE DATASETS.

1 inch = 100 feet

0 50 100 Feet

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890 N. McDowell Rd, Petaluma
GPS Monitor Well Survey

Pinnacle Environmental Inc.

 JOB NO. 2017-RFP Pinnacle Enviro

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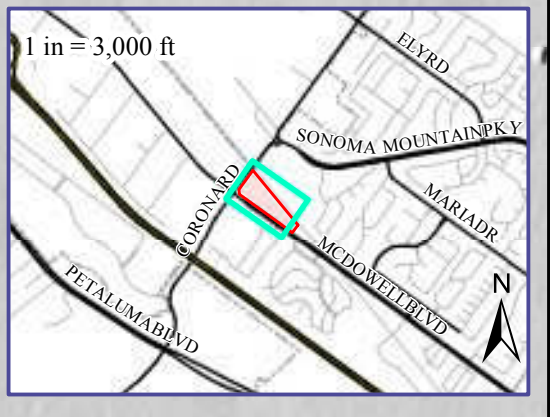

Corona Rd
Tracks
MW-8
MW-1
MW-5
MW-7
MW-2
MW-3
MW-4
MW-6
McDowell Blvd
Michael Dr
Pamela Dr

Monitor Well (7/7/17)
APN 137-061-019
Adjacent APN

~FOR INTERNAL USE ONLY~
DRAFT 7/25/17

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1 inch = 100 feet
0 50 100 Feet

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890 N. McDowell Rd, Petaluma
GPS Monitor Well Survey

Pinnacle Environmental Inc.

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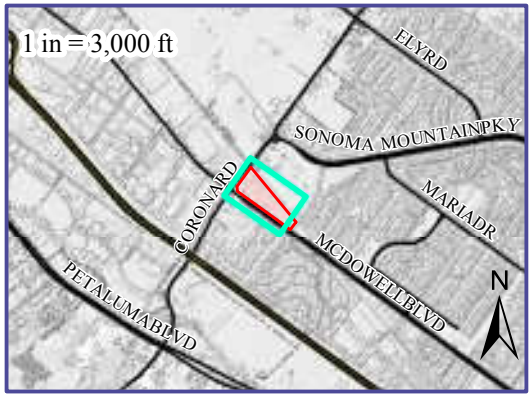

APN137-061-042

Tracks

APN137-061-036

Corona Rd

MW-8

MW-1

MW-5

MW-7

APN137-061-019

MW-2

MW-3

MW-4

MW-6

McDowell Blvd

Michael Dr

Pamela Dr

Monitor Well (7/7/17)
APN 137-061-019
Adjacent APN

APN048-080-036

~FOR INTERNAL USE ONLY~
DRAFT 7/25/17

APN048-080-024

NOTE: THIS MAP WAS CREATED BY RAY CARLSON & ASSOCIATES, INC. STREET AND ASSESSOR PARCEL DATA PROVIDED BY COUNTY OF SONOMA, SUBJECT TO STANDARD CONDITIONS.
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ORTHOPHOTOGRAPHY IS PER SONOMA VEG MAP, 2013.
THIS MAP IS AN ENLARGEMENT OF SMALLER-SCALE DATASETS.

1 inch = 100 feet

0	50	100 Feet

PInnacle Enviromental, Inc.
890 N. McDowell Rd, Petaluma
GPS Monitor Well Survey

Pinnacle Environmental Inc.

 JOB NO. 2017-RFP Pinnacle Enviro

Path: O:\2017\2017-066_Pinnacle Enviro_WMGIS\PinnacleEnviro17_66McDowellRd20170725PlatWm.mxd

APPENDIX D

LABORATORY DATA & CHAIN OF CUSTODY

Laboratory Data & Chain of Custody
Test Pit Excavation Samples
April 2017

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

Date: April 13, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170407-10 through -15**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on April 7, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04-05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE EXTRACTED: 04/10/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS

METHOD: EPA 8015B

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
TP-1C-3	170407-10	ND	ND	ND	1
TP-4-3	170407-11	ND	ND	ND	1
TP-5-4	170407-12	ND	12.3 *	117	1
TP-5-9	170407-13	ND	ND	ND	1
TP-7a-4	170407-14	ND	ND	ND	1
TP-7b-6	170407-15	ND	81.5 *	135	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

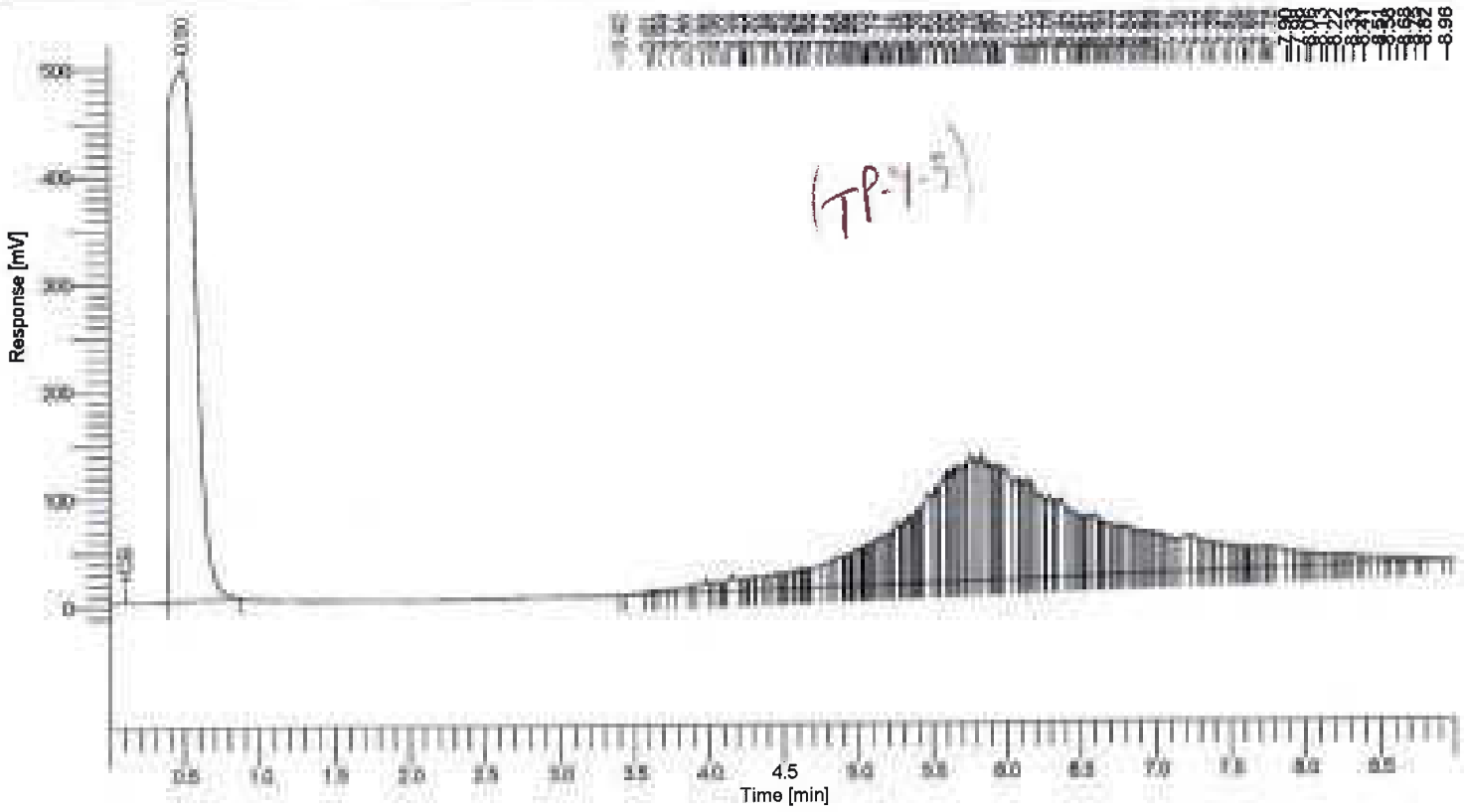
COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

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

Software Version : 6.3.2.0648
Sample Name : 170407-12
Instrument Name : GC-I
Rack/Vial : 0/40
Sample Amount : 1.000000
Cycle : 37

Date : 4/11/2017 2:48:39 PM
Data Acquisition Time : 4/10/2017 9:31:23 PM
Channel : A
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-N\2017\1704\170410\A057.rst
Sequence File : D:\GC DATA\GC-N\2017\1704\170410\170410.seq

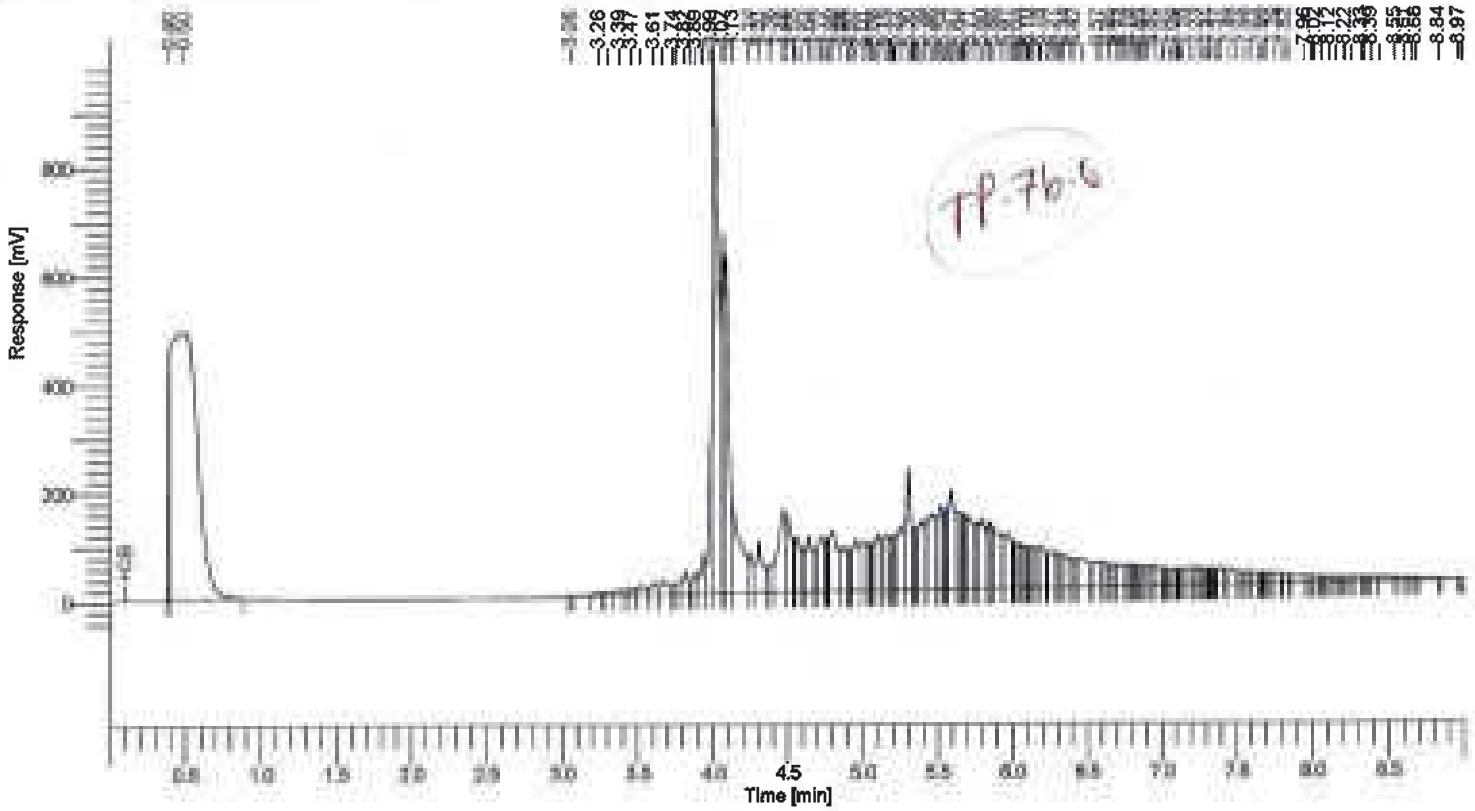


8015 Results

Component Name	Area [pA*sec]	Adjusted Amount
C11-C22	899749	122.9
C23-C35	9403183	1170.3
	[illegible]	1293.2

Software Version	6.32.0646	Date	: 4/11/2017 2:50:55 PM
Sample Name	170407-15 20/2***	Data Acquisition Time	: 4/10/2017 10:07:28 PM
Instrument Name	GC-I	Channel	: A
Rack/Vial	0/43	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 40		

Result File : D:\GC DATA\GC-I\02017\1704\170410\A060.rst
Sequence File : D:\GC DATA\GC-I\02017\1704\170410\170410.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	[illegible]	814.9
C23-C35	10914529	1347.8
	20851162	2162.7

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 4/10-11/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170410-20 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	183	**91%**	183	**91%**	**0%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	160	**80%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-1C-3**

LAB I.D.: 170407-10

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.85	0.3	1	500	5.0	6010B
Barium(Ba)	138	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	48.8	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	12.4	1.0	1	8,000	80	6010B
Copper(Cu)	16.4	1.0	1	2,500	25	6010B
Lead(Pb)	7.50	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.144	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	63.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	43.4	5.0	1	2,400	24	6010B
Zinc(Zn)	61.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-4-3**

LAB I.D.: 170407-11

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	2.50	0.3	1	500	5.0	6010B
Barium(Ba)	164	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	51.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	11.2	1.0	1	8,000	80	6010B
Copper(Cu)	16.6	1.0	1	2,500	25	6010B
Lead(Pb)	11.6	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.164	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	47.6	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	51.8	5.0	1	2,400	24	6010B
Zinc(Zn)	35.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-5-4**

LAB I.D.: 170407-12

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.16	0.3	1	500	5.0	6010B
Barium(Ba)	106	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	53.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	21.3	1.0	1	8,000	80	6010B
Copper(Cu)	37.6	1.0	1	2,500	25	6010B
Lead(Pb)	231 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.359	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	65.0	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	72.8	5.0	1	2,400	24	6010B
Zinc(Zn)	86.3	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-5-9**

LAB I.D.: 170407-13

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	2.13	0.3	1	500	5.0	6010B
Barium(Ba)	153	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	45.9	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	12.2	1.0	1	8,000	80	6010B
Copper(Cu)	9.32	1.0	1	2,500	25	6010B
Lead(Pb)	4.88	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.176	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	73.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	42.0	5.0	1	2,400	24	6010B
Zinc(Zn)	38.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
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(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-7a-4**

LAB I.D.: 170407-14

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	2.60	0.3	1	500	5.0	6010B
Barium(Ba)	168	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	50.5 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	11.6	1.0	1	8,000	80	6010B
Copper(Cu)	17.6	1.0	1	2,500	25	6010B
Lead(Pb)	6.96	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.166	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	45.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	44.7	5.0	1	2,400	24	6010B
Zinc(Zn)	38.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
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Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10&11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-7b-6**
LAB I.D.: 170407-15

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	2.79	0.3	1	500	5.0	6010B
Barium(Ba)	157	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.85	0.5	1	100	1.0	6010B
Chromium Total(Cr)	41.4	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	10.2	1.0	1	8,000	80	6010B
Copper(Cu)	32.3	1.0	1	2,500	25	6010B
Lead(Pb)	12.2	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.222	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	49.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	44.3	5.0	1	2,400	24	6010B
Zinc(Zn)	148	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/04-05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:04/07/17
DATE ANALYZED:04/10&11/17
DATE REPORTED:04/13/17

METHOD BLANK REPORT FOR LAB I.D.: 170407-10 THROUGH -15

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/11/2017

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	170407-13	50.0	104	PASS	45.9	50.0	94.2	97%	93.8	96%	1%
Lead(Pb)	170407-13	50.0	103	PASS	4.88	50.0	46.4	83%	45.7	82%	2%
Nickel(Ni)	170407-13	50.0	104	PASS	73.4	50.0	122	97%	121	95%	2%

ANALYSIS DATE. : 4/10/2017

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	170407-39	0.125	94	PASS	0	0.125	0.105	84%	0.111	89%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Nickel(Ni)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-1C-3**
LAB I.D.: 170407-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN

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DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-1C-3**
LAB I.D.: 170407-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

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Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-4-3**

LAB I.D.: 170407-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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SAMPLE I.D.: **TP-4-3**
LAB I.D.: 170407-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-5-4**
LAB I.D.: 170407-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

***** TO BE CONTINUED ON PAGE #2 *****

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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SAMPLE I.D.: **TP-5-4**
LAB I.D.: 170407-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: TP-5-9

LAB I.D.: 170407-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

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Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-5-9**
LAB I.D.: 170407-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/11/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-7a-4**
LAB I.D.: 170407-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:04/07/17
DATE ANALYZED:04/11/17
DATE REPORTED:04/13/17

SAMPLE I.D.: **TP-7a-4**
LAB I.D.: 170407-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:04/07/17
DATE ANALYZED:04/11/17
DATE REPORTED:04/13/17

SAMPLE I.D.: **TP-7b-6**

LAB I.D.: 170407-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

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PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:04/07/17
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DATE REPORTED:04/13/17

SAMPLE I.D.: **TP-7b-6**
LAB I.D.: 170407-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 04/04-05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

METHOD BLANK REPORT FOR LAB I.D.: 170407-10 THROUGH -15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/04-05/17
REPORT TO:MR. PETER CLOVEN
DATE RECEIVED:04/07/17
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DATE REPORTED:04/13/17

METHOD BLANK REPORT FOR LAB I.D.: 170407-10 THROUGH -15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 4/10-11/2017
Machine: E

Matrix: Solid/Soil/Liquid
Unit: mg/Kg (PPM)

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

Spiked Sample Lab I.D.: 170410-17 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.059	118%	0.059	118%	0%	75-125	0-20
Chlorobenzene	0	0.050	0.042	84%	0.039	78%	6%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.061	122%	0.059	118%	4%	75-125	0-20
Toluene	0	0.050	0.056	112%	0.058	116%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.048	96%	0.049	98%	2%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.060	120%	75-125
Chlorobenzene	0.050	0.045	90%	75-125
Chloroform	0.050	0.059	118%	75-125
1,1-Dichlorothene	0.050	0.057	114%	75-125
Ethylbenzene	0.050	0.052	104%	75-125
o-Xylene	0.050	0.053	106%	75-125
m,p-Xylene	0.100	0.103	103%	75-125
Toluene	0.050	0.059	118%	75-125
1,1,1-Trichloroethane	0.050	0.058	116%	75-125
Trichloroethene (TCE	0.050	0.051	102%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170407-10	170407-11	170407-12	170407-13	170407-14	170407-15
Dibromofluoromethane	50.0	70-130	129%	134*%	130%	136*%	171*%	156*%	128%
Toluene-d8	50.0	70-130	103%	100%	91%	102%	103%	79%	99%
4-Bromofluorobenzene	50.0	70-130	88%	79%	36*%	65*%	64*%	50*%	80%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170410-17	170410-18	170410-19	170410-20	170410-21	170410-22	170410-23
Dibromofluoromethane	50.0	70-130	106%	111%	123%	101%	133*%	144*%	156*%
Toluene-d8	50.0	70-130	107%	109%	99%	115%	102%	119%	123%
4-Bromofluorobenzene	50.0	70-130	79%	80%	69*%	62*%	60*%	68*%	68%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170410-24	170410-25					
Dibromofluoromethane	50.0	70-130	137*%	131*%					
Toluene-d8	50.0	70-130	103%	103%					
4-Bromofluorobenzene	50.0	70-130	84%	79%					

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results
spk conc = Spike Concentration
MS = Matrix Spike
%RC = Percent Recovery
ACP %RC = Accepted Percent Recovery
MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 04/04/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE EXTRACTED: 04/10/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: TP-1C-3 LAB I.D.: 170407-10

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:04/04/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:04/07/17
DATE EXTRACTED:04/10/17
DATE ANALYZED:04/10/17
DATE REPORTED:04/13/17

SAMPLE I.D.: **TP-1C-3** LAB I.D.: 170407-10

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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SAMPLE I.D.: **TP-4-3**
LAB I.D.: 170407-11

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TP-4-3**
LAB I.D.: 170407-11

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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SAMPLE I.D.: **TP-5-4**
LAB I.D.: 170407-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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

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SAMPLE I.D.: **TP-5-4**

LAB I.D.: 170407-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
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DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-5-9**
LAB I.D.: 170407-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TP-5-9**
LAB I.D.: 170407-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
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SAMPLE I.D.: **TP-7a-4**
LAB I.D.: 170407-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TP-7a-4**
LAB I.D.: 170407-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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SAMPLE I.D.: **TP-7b-6**
LAB I.D.: 170407-15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	4.32	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE 2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE EXTRACTED: 04/10/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

SAMPLE I.D.: **TP-7b-6**
LAB I.D.: 170407-15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 04/04-05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE EXTRACTED: 04/10/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

METHOD BLANK REPORT FOR LAB I.D.: 170407-10 THROUGH -15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 04/04-05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 04/07/17
DATE EXTRACTED: 04/10/17
DATE ANALYZED: 04/10/17
DATE REPORTED: 04/13/17

METHOD BLANK REPORT FOR LAB I.D.: 170407-10 THROUGH -15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: ug/Kg (PPM)

Date Analyzed: 4/10/2017

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

Spiked Sample Lab I.D.: **170407-10 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	1.19	60%	1.26	63%	5%	50-150	0-20
Pyrene	0.0	2.00	1.80	90%	1.97	98%	9%	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	1.83	92%	75-125
1,4-Dichlorobenzene	2.00	1.86	93%	75-125
2,4-Dichlorophenol	2.00	2.02	101%	75-125
Hexachlorobutadiene	2.00	2.00	100%	75-125
4-Chloro-3-methylphenol	2.00	2.18	109%	75-125
Fluoranthene	2.00	2.02	101%	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D			MB	170407-10	170407-11	170407-12	170407-13	170407-14	170407-15
2-Fluorophenol	40	25-121	105%	73%	98%	95%	102%	101%	69%
Phenol-d5	40	24-113	102%	71%	94%	92%	102%	105%	66%
Nitrobenzene-d5	40	23-120	79%	74%	73%	94%	94%	76%	68%
2-Fluorobiphenyl	40	30-115	97%	74%	96%	95%	93%	95%	68%
2,4,6-Tribromophenol	40	19-122	80%	59%	79%	89%	82%	83%	72%
Terphenyl-d14	40	18-137	106%	79%	99%	100%	96%	102%	70%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

* = *Surrogate fail due to matrix interference*

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

Analyzed and Reviewed By:

Final Reviewer:

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

Turnaround Time
O Same Day
O 24 Hours
O 48 Hours
O 72 Hours
(Standard)

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH	VOCs	CAM 17 metals	SVOCs	COMMENTS
TP-1C-3	17040-10	4/4/17	1030	Soil	1		/	X	X	X	X	Hold for analytical requests
TP-4-3	-11	4/4/17	1430		1		/					
TP-5-4	-12	4/5/17	0810		1		/					
TP-5-9	-13	4/5/17	0815		1		/					
TP-7a-4	-14		0945		1		/					
TP-7b-6	-15		1035		1		/					Hold for potential PCB & pesticide analysis

Analysis Required

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton, CA
Project Contact: Peter Clover
Tel: 925-672-5500
Fax: -5507
Sampler's Signature:
Project Name/ID: Corona Rd - Petaluma

Relinquished by:
Received by: Fed Ex ON TRAC
Relinquished by: OnTrac
Received by: WP
Relinquished by:
Received by:
Date & Time: 4/6/17 1000

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 4/5/17

Page 1 of 1

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

Turnaround Time
- Same Day
- 24 Hours
- 48 Hours
- 72 Hours
- 5 Days (Standard)

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
TP-1C-3	1704070	4/4/17	1050	Soil	1		✓		Hold FOR ANALYTICAL REQUESTS
TP-4-3	-11	4/4/17	1430	AQUA	1		✓		
TP-5-4	-12	4/5/17	0830		1		✓		
TP-5-9	-13	4/4/17	0815		1		✓		
TP-7a-4	-14		0945		1		✓		
TP-7b-6	-15	↓	1035	↓	1		✓		

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton, CA
Project Contact: Peter Clowes
Tel: 925-673-5500
Fax: 925/673-5597
Sampler's Signature:
Project Name/ID: Corona Rd - Petaluma

Relinquished by:	Received by: Fed Ex OnTrac	Date & Time: 4/5/17 10:00
Relinquished by: OnTrac	Received by: WP	Date & Time: 4/5/17 10:00
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 4/5/17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Laboratory Data & Chain of Custody
SOIL DATA - Soil Boring (SB-1 to SB-6) & Monitoring Well Installation (MW-1 to MW-8)
June 2017

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

Date: June 9, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170602-25 through -48**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on June 2, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE EXTRACTED: 06/05/17
DATE ANALYZED: 06/05-06/17
DATE REPORTED: 06/09/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-8-15	170602-27	ND	ND	ND	1
MW-4-15	170602-33	ND	ND	ND	1
MW-4-25	170602-35	ND	ND	ND	1
MW-1-15	170602-39	ND	ND	ND	1
MW-5-10	170602-42	ND	ND	ND	1
MW-5-5	170602-43	ND	ND	ND	1
MW-5-15	170602-44	ND	ND	ND	1
MW-5-25	170602-46	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/5-6/6/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170601-100 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	189	94%	192	96%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	188	94%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:05/31/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/02/17
DATE ANALYZED:06/02/17
DATE REPORTED:06/09/17

SAMPLE I.D.: **MW-8-15**

LAB I.D.: 170602-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE 2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-8-15**
LAB I.D.: 170602-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-4-15**

LAB I.D.: 170602-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

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DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-4-15**
LAB I.D.: 170602-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
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DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-4-25**
LAB I.D.: 170602-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

------ TO BE CONTINUED ON PAGE #2 ------

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

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CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

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DATE SAMPLED: 05/31/17
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SAMPLE I.D.: **MW-4-25**

LAB I.D.: 170602-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-1-15**

LAB I.D.: 170602-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

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DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-1-15**
LAB I.D.: 170602-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-10**
LAB I.D.: 170602-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-10**
LAB I.D.: 170602-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

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SAMPLE I.D.: **MW-5-5**
LAB I.D.: 170602-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/03/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-5**
LAB I.D.: 170602-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-15**

LAB I.D.: 170602-44

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-15**
LAB I.D.: 170602-44

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/03/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-25**
LAB I.D.: 170602-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

***** TO BE CONTINUED ON PAGE #2 *****

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/03/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-5-25**
LAB I.D.: 170602-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX:SOIL
DATE SAMPLED:05/31/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/02/17
DATE ANALYZED:06/02/17
DATE REPORTED:06/09/17

METHOD BLANK REPORT FOR LAB I.D.:
170602-27, -33, -35, -39, -42,-43, -44, -46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1 2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/31/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

METHOD BLANK REPORT FOR LAB I.D.:
170602-27, -33, -35, -39, -42,-43, -44, -46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/[illegible]/17 Matrix: Solid/Soil/Liquid
Machine: C Unit: mg/Kg (PPM)

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

Spiked Sample Lab I.D.: 170602-15 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.061	122%	0.058	116%	6%	75-125	0-20
Chlorobenzene	0	0.050	0.054	108%	0.054	108%	0%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.057	114%	0.055	110%	4%	75-125	0-20
Toluene	0	0.050	0.060	120%	0.058	116%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	100%	0.052	104%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.059	118%	75-125
Chlorobenzene	0.050	0.051	102%	75-125
Chloroform	0.050	0.056	112%	75-125
1,1-Dichlorothene	0.050	0.061	122%	75-125
Ethylbenzene	0.050	0.041	82%	75-125
o-Xylene	0.050	0.057	114%	75-125
m,p-Xylene	0.100	0.119	119%	75-125
Toluene	0.050	0.056	112%	75-125
1,1,1-Trichloroethane	0.050	0.053	106%	75-125
Trichloroethene (TCE)	0.050	0.049	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170602-15	170602-2[illegible]	[illegible]-27	[illegible]-33	[illegible]-35	[illegible]-39
Dibromofluoromethane	50.0	70-130	126%	120%	1013%	90%	124%	126%	141*%
Toluene-d8	50.0	70-130	109%	107%	92%	87%	103%	95%	109%
4-Bromofluorobenzene	50.0	70-130	88%	89%	16*%	0*%	49*%	43*%	83%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170602-42	[illegible]-43	[illegible]-44	[illegible]-46	[illegible]-113	[illegible]-114	[illegible]-115
Dibromofluoromethane	50.0	70-130	115%	116%	135*%	120%	141*%	113*%	139*%
Toluene-d8	50.0	70-130	107%	104%	106%	107%	112%	115%	111%
4-Bromofluorobenzene	50.0	70-130	63*%	78%	78%	82%	87%	85%	86%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			[illegible]-116	[illegible]-117	[illegible]-118	[illegible]-111	[illegible]-112		
Dibromofluoromethane	50.0	70-130	156*%	141*%	148*%	130%	101%		
Toluene-d8	50.0	70-130	114%	110%	112%	113%	108%		
4-Bromofluorobenzene	50.0	70-130	86%	85%	87%	84%	84%		

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*

spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*

MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: [signature]

Final Reviewer: [signature]

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	# OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/8260	TPH-G/8015	COMMENTS
MW-8-5	70602-25	5/31	0740	Soil	1	ICE				Hold
MW-8-10	-26		0745		1					Hold
MW-8-15	-27		0750		1			X	X	
MW-8-17	-28		0755		1					Hold
MW-8-20	-29		0800		1					Hold
MW-8-25	-30		0820		1					Hold
MW-4-5	-31		0955		1					HOLD
MW-4-10	-32		1000		1					HOLD
MW-4-15	-33		1010		1			X	X	
MW-4-20	-34		1015		1					HOLD
MW-4-25	-35		1025		1			X	X	
MW-4-27	-36		1035		1					HOLD
MW-1-5	-37		1200		1					HOLD
MW-1-10	-38		1255		1					HOLD
MW-1-15	-39	↓	1300	↓	1		↓	X	X	

Analysis Required

Company Name: Pinnacle Environmental
Address: P.O. Box 404
City/State/Zip: Clayton, CA 94517
Project Contact: Pete Clorez
Tel: 925/348-0384
Fax:
Sampler's Signature:
Project Name/ID: Corona Rd. Petaluma

		Date & Time
Relinquished by:	Received by: ON TRAC	6/1/12 2:00
Relinquished by: OnTrac	Received by:	6/4/12 7 AM
Relinquished by:	Received by:	

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 6/1/12

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

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
● 1 Week (Standard)

Analysis Required: VOCs/8260, TPH-d/8015M

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/8260	TPH-d/8015M	COMMENTS
MW-8-5	70602-25	6/1	0740	Soil	1	✓	No			
MW-8-10	-26	↓	0745	↓	1		↓			
MW-8-15	-27	↓	0750	↓	1		↓	X	X	
MW-8-17	-28	↓	0755	↓	1		↓			
MW-8-20	-29	↓	0800	↓	1		↓			
MW-8-25	-30	↓	0820	↓	1		↓			
MW-4-5	-31	↓	0955	↓	1		↓			HOLD
MW-4-10	-32	↓	1000	↓	1		↓			HOLD
MW-4-15	-33	↓	1010	↓	1		↓	X	X	
MW-4-20	-34	↓	1015	↓	1		↓			HOLD
MW-4-25	-35	↓	1025	↓	1		↓	X	X	
MW-4-27	-36	↓	1035	↓	1		↓			HOLD
MW-1-5	-37	↓	1250	↓	1		↓			HOLD
MW-1-10	-38	↓	1255	↓	1		↓			HOLD
MW-1-15	-39	↓	1300	↓	1		↓	X	X	

Company Name: Pinnacle Environmental
Address: P.O. Box 404
City/State/Zip: Clayton, CA 94517

Project Contact: Peter Cleves
Tel: 925/348-0384
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Rd. Petaluma

		Date & Time
Relinquished by: [signature]	Received by: ON TRAC	6/1/17 12:10
Relinquished by: OnTrac	Received by: [signature]	6/2/17 10:30
Relinquished by:	Received by:	

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 6/1/17

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
MW-1-20	[766]-40	5/31	1310	Soil	1		No		Hold
MW-1-25	-41	5/31	1325	Soil	1		No		Hold
MW-5-10	-42		1522		1			X X	
MW-5-5	-43		1517		1			X X	
MW-5-15	-44		1527		1			X X	
MW-5-20	-45		1535		1				Hold
MW-5-25	-46		1540		1			X X	
MW-5-25	-47		1547		1				Hold
MW-5-30	-48		1553		1				Hold

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94517
Project Contact: Peter Clone
Tel: 925/348-0884
Sampler's Signature:
Project Name/ID: Corona Rd - Petaluma

Relinquished:
Relinquished by: ONTRAC
Relinquished by:
Received:
Received by: WSP
Received by:
Date & Time: 6/1/17 10:30

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

CHAIN OF CUSTODY RECORD

Date: 6/1/17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: June 9, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170602-13 through -24**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on June 2, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

(for)
Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE EXTRACTED: 06/05/17
DATE ANALYZED: 06/05-06/17
DATE REPORTED: 06/09/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-3-15	170602-15	ND	ND	ND	1
MW-2-10	170602-20	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/5-6/6/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170601-100 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	189	94%	192	96%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	188	94%	75-125

Analyzed and Reviewed By: 

Final Reviewer: 

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-3-15**

LAB I.D.: 170602-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-3-15**
LAB I.D.: 170602-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-2-10**

LAB I.D.: 170602-20

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

SAMPLE I.D.: **MW-2-10**

LAB I.D.: 170602-20

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 05/30/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/02/17
DATE ANALYZED: 06/02/17
DATE REPORTED: 06/09/17

METHOD BLANK REPORT FOR LAB I.D.: 170602-15, -20

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:05/30/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/02/17
DATE ANALYZED:06/02/17
DATE REPORTED:06/09/17

METHOD BLANK REPORT FOR LAB I.D.: 170602-15, -20

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/2-3/2017 Matrix: Solid/Soil/Liquid
Machine: 9 Unit: ug/Kg (PPM)

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

Spiked Sample Lab I.D.: 170602-15 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.061	122%	0.058	116%	6%	75-125	0-20
Chlorobenzene	0	0.050	0.054	108%	0.054	108%	0%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.057	114%	0.055	110%	4%	75-125	0-20
Toluene	0	0.050	0.060	120%	0.058	116%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	100%	0.052	104%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.059	118%	75-125
Chlorobenzene	0.050	0.051	102%	75-125
Chloroform	0.050	0.056	112%	75-125
1,1-Dichlorothene	0.050	0.061	122%	75-125
Ethylbenzene	0.050	0.041	82%	75-125
o-Xylene	0.050	0.057	114%	75-125
m,p-Xylene	0.100	0.119	119%	75-125
Toluene	0.050	0.056	112%	75-125
1,1,1-Trichloroethane	0.050	0.053	106%	75-125
Trichloroethene (TCE)	0.050	0.049	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170602-15	170602-20	170602-27	170602-33	170602-35	170602-39
Dibromofluoromethane	50.0	70-130	126%	120%	1013%	90%	124%	126%	141*%
Toluene-d8	50.0	70-130	109%	107%	92%	87%	103%	95%	109%
4-Bromofluorobenzene	50.0	70-130	88%	89%	16*%	1*%	49*%	43*%	83%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170602-42	170602-43	170602-44	170602-46	170602-113	170602-114	170602-115
Dibromofluoromethane	50.0	70-130	115%	116%	135*%	120%	141*%	113*%	139*%
Toluene-d8	50.0	70-130	107%	104%	106%	107%	112%	115%	111%
4-Bromofluorobenzene	50.0	70-130	63*%	78%	78%	82%	87%	85%	86%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170602-116	170602-117	170602-118	170602-111	170602-112		
Dibromofluoromethane	50.0	70-130	156*%	141*%	148*%	130%	101%		
Toluene-d8	50.0	70-130	114%	110%	113%	113%	108%		
4-Bromofluorobenzene	50.0	70-130	86%	85%	87%	84%	84%		

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*

spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*

MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories

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

Turnaround Time
- 0 Same Day
- 0 24 Hours
- 0 48 Hours
- 0 ~~72 Hours~~
- ● 1 Week (Standard) (circled)
- Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: VOCs 8260	TPH-g 8015M								COMMENTS
MW-3-5	170602-13	5/30/17	0911	Soil	1	4°C	No										HOLD
MW-3-10	-14	↓	0915		1		↓										HOLD
MW-3-15	-15		0922		1			X	X								
MW-3-20	-16		0932		1												HOLD
MW-3-24	-17		0940		1												HOLD
MW-3-30	-18		0950		1												HOLD
MW-2-5	-19		1235		1												HOLD
MW-2-10	-20		1244		1			X	X								
MW-2-15	-21		1253		1												HOLD
MW-2-17	-22		1255		1												HOLD
MW-2-20	-23		1302		1												HOLD
MW-2-25	-24	↓	1310		1		↓										HOLD

Company Name: Pinnacle Environmental
Address: PO Box 904
City/State/Zip: Clayton, CA 94517

Project Contact: Peter Cloven
Tel: 925/348-0884
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Rd - Petaluma

Relinquished by: [signature]
Received by: GOLDEN STATE OVERNIGHT / ONTRAC D10011127095447
Date & Time: 5/31/17 1200

Relinquished by: ONTRAC
Received by: [signature]
Date & Time: 6/2/17 10:30

Relinquished by:
Received by:
Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 5/31/17

Page 1 of 1

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

Date: June 12, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170606-8 through -36**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on June 6, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Kelly Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01&06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE EXTRACTED: 06/07/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-6-15	170606-10	ND	ND	ND	1
MW-6-20	170606-11	ND	ND	ND	1
MW-7-15	170606-17	ND	ND	ND	1
MW-7-20	170606-18	ND	ND	ND	1
SB-4-5	170606-21	ND	ND	ND	1
SB-4-15	170606-23	ND	ND	ND	1
SB-3-15	170606-27	ND	ND	ND	1
SB-5-5	170606-29	ND	ND	ND	1
SB-5-15	170606-31	ND	ND	ND	1
SB-6-10	170606-34	ND	ND	ND	1
SB-6-15	170606-35	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/7/2017 **Units:** mg/Kg (ppm)

Matrix: Soil/Solid/Sludge/Liquid

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

Spiked Sample Lab I.D.: 170606-10 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	215	108%	214	107%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	210	105%	75-125

Analyzed and Reviewed By:

Final Reviewer:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **MW-6-15**
LAB I.D.: 170606-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:06/01/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/06/17
DATE ANALYZED:06/07/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **MW-6-15**
LAB I.D.: 170606-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.02
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **MW-6-20**

LAB I.D.: 170606-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:06/01/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/06/17
DATE ANALYZED:06/06/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **MW-6-20**

LAB I.D.: 170606-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,1-DICHLOROETHANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: MW-7-15
LAB I.D.: 170606-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **MW-7-15**

LAB I.D.: 170606-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **MW-7-20**
LAB I.D.: 170606-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **MW-7-20**

LAB I.D.: 170606-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL TERT-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-4-5**

LAB I.D.: 170606-21

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-4-5**

LAB I.D.: 170606-21

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-4-15**
LAB I.D.: 170606-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-4-15**

LAB I.D.: 170606-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-3-15**
LAB I.D.: 170606-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

------ TO BE CONTINUED ON PAGE #2 ------

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/01/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-3-15**

LAB I.D.: 170606-27

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

PROJECT: Corona Rd - Petaluma

MATRIX:SOIL
DATE SAMPLED:06/02/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/06/17
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SAMPLE I.D.: SB-5-5

LAB I.D.: 170606-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-5-5**

LAB I.D.: 170606-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-5-15**
LAB I.D.: 170606-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

TO BE CONTINUED ON PAGE #2

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-5-15**

LAB I.D.: 170606-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
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DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-6-10**

LAB I.D.: 170606-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

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SAMPLE I.D.: **SB-6-10**

LAB I.D.: 170606-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-6-15**

LAB I.D.: 170606-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

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P.O. Box 904
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(925)673-5500 Email: pcloven@pei-env.com
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MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

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SAMPLE I.D.: **SB-6-15**

LAB I.D.: 170606-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/01&02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-10, -11, -17, -18, -21, -23, -27, -29, -31, -34, -35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

—— TO BE CONTINUED ON PAGE #2 ——

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
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DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-10, -11, -17, -18, 21, -23, -27, -29, -31, -34, -35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

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

8260B QA/QC Report

Date Analyzed: 6/6-7/2017 **Matrix:** Solid/Soil/Liquid

Machine: C **Unit:** ug/Kg (PPM)

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

Spiked Sample Lab I.D.: 170606-39 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.059	118%	0.060	120%	2%	75-125	0-20
Chlorobenzene	0	0.050	0.051	102%	0.052	104%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.059	118%	0.052	104%	14%	75-125	0-20
Toluene	0	0.050	0.060	120%	0.060	120%	0%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	100%	0.049	98%	2%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.059	118%	75-125
Chlorobenzene	0.050	0.051	102%	75-125
Chloroform	0.050	0.056	112%	75-125
1,1-Dichlorothene	0.050	0.060	120%	75-125
Ethylbenzene	0.050	0.058	116%	75-125
o-Xylene	0.050	0.058	116%	75-125
m,p-Xylene	0.100	0.120	120%	75-125
Toluene	0.050	0.054	108%	75-125
1,1,1-Trichloroethane	0.050	0.050	100%	75-125
Trichloroethene (TCE)	0.050	0.049	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170606-12	170606-11	170606-17	170606-18	170606-21	170606-22
Dibromofluoromethane	50.0	70-130	124%	90%	107%	102%	102%	119%	126%
Toluene-d8	50.0	70-130	107%	114%	98%	105%	106%	106%	108%
4-Bromofluorobenzene	50.0	70-130	86%	82%	64*%	75%	87%	56*%	54*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170606-27	170606-28	170606-31	170606-34	170606-38	170606-39	170606-42
Dibromofluoromethane	50.0	70-130	118%	109%	97%	109%	123%	127%	122%
Toluene-d8	50.0	70-130	104%	114%	113%	104%	99%	120%	121%
4-Bromofluorobenzene	50.0	70-130	86*%	74%	82%	88*%	42*%	70%	68%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170606-43						
Dibromofluoromethane	50.0	70-130	98%						
Toluene-d8	50.0	70-130	115%						
4-Bromofluorobenzene	50.0	70-130	76%						

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results

spk conc = Spike Concentration

MS = Matrix Spike

%RC = Percent Recovery

ACP %RC = Accepted Percent Recovery

MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/8260	TPH-g/8015	COMMENTS
MW-6-5	170606-8	6/1	0830	Soil	1		No			HOLD
MW-6-10	-9	↓	0840	↓	1		↓			HOLD
MW-6-15	-10	↓	0845	↓	1		↓	X X	X X	
MW-6-20	-11	↓	0836	↓	1		↓	X X	X X	
MW-6-25	-12	↓	0843	↓	1		↓			HOLD
MW-6-27	-13	↓	0847	↓	1		↓			HOLD
MW-6-30	-14	↓	0852	↓	1		↓			HOLD
MW-7-5	-15	↓	1040	↓	1		↓			HOLD
MW-7-10	-16	↓	1046	↓	1		↓			HOLD
MW-7-15	-17	↓	1050	↓	1		↓	X X	X X	
MW-7-20	-18	↓	1054	↓	1		↓	X X	X X	
MW-7-25	-19	↓	1058	↓	1		↓			HOLD
MW-7-28	-20	↓	1105	↓	1		↓			HOLD
SB-4-5	-21	↓	1310	↓	1		↓	X	X	
SB-4-10	-22	↓	1317	↓	1		↓			HOLD

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94517

Project Contact: Peter Cloven
Tel: 925-348-0884
email: petfrancisbush@gmail.com

Sampler's Signature: [signature]
Project Name/ID: Corona Rd - Petaluma

Relinquished by: [signature]	Received by: OnTrac # D10011127720143	Date & Time: 6/1/17 1830
Relinquished by: Ontrac	Received by: WP	Date & Time: 6/6/17 10:30
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date:

Page 1 of 2

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

Turnaround Time
- Same Day
- 24 Hours
- 48 Hours
- 72 Hours
- 1 Week (Standard)
- Other

Vac/TPH-G/MTBE [illegible]

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		COMMENTS
SB-4-15	170606-23	6/1	1321	Soil	1		Ne	X	X	
SB-4-20	-24		1427		1					HOLD
SB-3-5	-25		1435		1					HOLD
SB-3-10	-26		1440		1					HOLD
SB-3-15	-27		1445		1			X	X	
SB-3-20	-28		1450		1					HOLD
SB-5-5	-29	6/2	0755		1			X	X	
SB-5-10	-30		0807		1					HOLD
SB-5-15	-31		0812		1			X	X	
SB-5-20	-32		0819		1					HOLD
SB-6-5	-33		0916		1					HOLD
SB-6-10	-34		0922		1			X	X	
SB-6-15	-35		0926		1			X	X	
SB-6-20	-36		0930		1					HOLD
~~SB-TB5~~			~~1034~~							~~HOLD~~

Company Name: Pinnacle Environmental Inc
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94517

Project Contact: Peter Cloven
Tel: 925-348-0884
email: francois [illegible]@gmail.com

Sampler's Signature: [signature] 6/1/17
Project Name: Corona Rd - Petaluma

Relinquished by: [signature]
Received by: On TRAC 7D10011117720143
Date & Time: 6/5/17 1030

Relinquished by: Ontrac
Received by: WGP
Date & Time: 6/6/17 10:30

Relinquished by:
Received by:
Date & Time:

Sample Storage [illegible]
2/8 [illegible]
P9 [illegible]

CHAIN OF CUSTODY RECORD

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

Date: June 19, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **1706069-37 through -45**

Dear Mr. Cloven:

The **additional TPH and VOCs results** for the soil samples, received by our laboratory on June 6, 2017, (via OnTrac), are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE EXTRACTED: 06/14/17
DATE ANALYZED: 06/14-15/17
DATE REPORTED: 06/19/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SB-1-15	170606-38	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/14-15/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170606-32 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	229	115%	235	118%	2%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	224	112%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/15/17
DATE REPORTED: 06/19/17

SAMPLE I.D.: **SB-1-15**
LAB I.D.: 170606-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/15/17
DATE REPORTED: 06/19/17

SAMPLE I.D.: **SB-1-15**
LAB I.D.: 170606-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 3
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/14/17
DATE REPORTED: 06/19/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/14/17
DATE REPORTED: 06/19/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/14-15/2017 **Matrix:** Solid/Soil/Liquid
Machine: G **Unit:** mg/Kg [PPM]

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170606-30 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.056	112%	0.055	110%	2%	75-125	0-20
Chlorobenzene	0	0.050	0.053	106%	0.053	106%	0%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.048	96%	0.054	108%	12%	75-125	0-20
Toluene	0	0.050	0.056	112%	0.056	112%	0%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.057	114%	0.055	110%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.057	114%	75-125
Chlorobenzene	0.050	0.056	112%	75-125
Chloroform	0.050	0.057	114%	75-125
1,1-Dichlorothene	0.050	0.050	100%	75-125
Ethylbenzene	0.050	0.057	114%	75-125
o-Xylene	0.050	0.060	120%	75-125
m,p-Xylene	0.100	0.116	116%	75-125
Toluene	0.050	0.056	112%	75-125
1,1,1-Trichloroethane	0.050	0.048	96%	75-125
Trichloroethene (TCE)	0.050	0.055	110%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170613-12	170613-14	170613-16	170613-18	170613-20	170613-22
Dibromofluoromethane	50.0	70-130	81%	121%	128%	111%	93%	122%	118%
Toluene-d8	50.0	70-130	96%	105%	99%	96%	88%	98%	93%
4-Bromofluorobenzene	50.0	70-130	76%	73%	81%	78%	35*%	74%	80%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170613-24	170613-26	170614-1	170613-32	170606-30	170606-32	170606-36
Dibromofluoromethane	50.0	70-130	99%	113%	145*%	121%	114%	116%	138*%
Toluene-d8	50.0	70-130	93%	103%	80%	98%	99%	93%	97%
4-Bromofluorobenzene	50.0	70-130	80%	74%	78%	101%	69*%	74%	77%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170606-31	170614-2	170614-3	170614-29	170614-30	170614-31	170614-32
Dibromofluoromethane	50.0	70-130	113%	118%	101%	100%	106%	121%	119%
Toluene-d8	50.0	70-130	96%	52*%	77%	90%	87%	96%	91%
4-Bromofluorobenzene	50.0	70-130	64*%	75%	63*%	84%	78%	84%	79%

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

Gmail Jessica Lin <envirocheminc@gmail.com>

Re: Additional needed for Petaluma project

1 message

Francois Bush <francoisbush@gmail.com> Tue, Jun 13, 2017 at 5:39 PM
To: Jessica Lin <envirocheminc@gmail.com>

Sending you the analytical request again per your request

François A. Bush, P.G.
sent from my mobile device at 707-975-5791

On Jun 13, 2017 10:48, "Francois Bush" <francoisbush@gmail.com> wrote:

Hi Jessica,

We will not need any further analyses for the samples collected on 5/30 and 5/31.

However, for samples collected on 6/1 and 6/2, we would like to run TPH-carbon chain and VOCs on the following 4 soil samples:

SB-5-10 (lab no. 170606-30)
SB-5-20 (lab no. 170606-32)
SB-6-20 (lab no. 170606-36)
SB-1-15 (lab no. 170606-38)

Let me know if you have any questions or need further information, thanks,

François A. Bush, PG
707/975-5791

On Mon, Jun 12, 2017 at 3:00 PM, envirocheminc@gmail.com <envirocheminc@gmail.com> wrote:

Good Afternoon Francois,

I just want to follow up with you to see if the samples sampled from 05/30/17 & 05/31/17 will need any additional testing?
Please let me know by tomorrow as tomorrow will be the 14th day from when the sample is taken for 05/30/17.
If you need any additional testing from these 2 sets of samples we need to get them on the instrument by tomorrow.

Thanks
Jessica Lin

Enviro-Chem, Inc.
909-590-5905

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

Date: June 12, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **1706069-37 through -45**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on June 6, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE EXTRACTED: 06/07/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SB-1-20	170606-39	ND	ND	ND	1
SB-2-10	170606-42	ND	ND	ND	1
SB-2-15	170606-43	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
PQL		10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/7/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170606-10 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	215	108%	214	107%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	210	105%	75-125

Analyzed and Reviewed By:

Final Reviewer:

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: SB-1-20
LAB I.D.: 170606-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-1-20**
LAB I.D.: 170606-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-2-10**
LAB I.D.: 170606-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:SOIL
DATE SAMPLED:06/02/17
REPORT TO:MR. PETER CLOVEN
DATE RECEIVED:06/06/17
DATE ANALYZED:06/07/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-2-10**
LAB I.D.: 170606-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 3
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-2-15**
LAB I.D.: 170606-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

------ TO BE CONTINUED ON PAGE #2 ------

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-2-15**
LAB I.D.: 170606-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-39, -42, -43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: SOIL
DATE SAMPLED: 06/02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/06/17
DATE REPORTED: 06/12/17

METHOD BLANK REPORT FOR LAB I.D.: 170606-39, -42, -43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

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

8260B QA/QC Report

Date Analyzed: 6/6-7/2017 **Matrix:** Solid/Soil/Liquid

Machine: 5 **Unit:** ug/Kg (PPM)

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

Spiked Sample Lab I.D.: 170606-39 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.059	118%	0.060	120%	2%	75-125	0-20
Chlorobenzene	0	0.050	0.051	102%	0.052	104%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.059	118%	0.052	104%	14%	75-125	0-20
Toluene	0	0.050	0.060	120%	0.060	120%	0%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	100%	0.049	98%	2%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.059	118%	75-125
Chlorobenzene	0.050	0.051	102%	75-125
Chloroform	0.050	0.056	112%	75-125
1,1-Dichlorothene	0.050	0.060	120%	75-125
Ethylbenzene	0.050	0.058	116%	75-125
o-Xylene	0.050	0.058	116%	75-125
m,p-Xylene	0.100	0.120	120%	75-125
Toluene	0.050	0.054	108%	75-125
1,1,1-Trichloroethane	0.050	0.050	100%	75-125
Trichloroethene (TCE)	0.050	0.049	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170606-10	170606-11	170606-17	170606-18	170606-21	170606-23
Dibromofluoromethane	50.0	70-130	124%	90%	107%	102%	102%	119%	126%
Toluene-d8	50.0	70-130	107%	114%	98%	100%	100%	100%	108%
4-Bromofluorobenzene	50.0	70-130	86%	82%	64*%	75%	87%	56*%	54*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D			170606-27	170606-29	170606-31	170606-34	170606-35	170606-39	170606-42
Dibromofluoromethane	50.0	70-130	118%	109%	97%	109%	123%	127%	122%
Toluene-d8	50.0	70-130	104%	114%	113%	104%	99%	120%	121%
4-Bromofluorobenzene	50.0	70-130	86*%	74%	82%	68*%	42*%	79%	85%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170606-43						
Dibromofluoromethane	50.0	70-130	98%						
Toluene-d8	50.0	70-130	115%						
4-Bromofluorobenzene	50.0	70-130	76%						

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*

spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*

MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Vocs/8260	TPH-CC								COMMENTS
SB-1-10	1710606-37	6/2	1025	Soil			No										HOLD
SB-1-15	-38		1043														HOLD
SB-1-20	-39		1047					X	X								
SB-1-25	-40		1055														HOLD
SB-2-5	-41		12:14														HOLD
SB-2-10	-42		12:19					X	X								
SB-2-15	-43		12:24					X	X								
SB-2-20	-44		12:30														HOLD
SB-1-5	-45		10:34														HOLD

Company Name: Pinnacle Environmental
Address: PO Box 904
City/State/Zip: Clayton CA 94517

Project Contact: Peter Clark
Tel: 925-348-0884
Email: francisbaghi@gmail.com

Sampler's Signature: [signature]
Project Name/ID: Corona Rd - Petaluma

Relinquished by: [signature]	Received by: On trac D100111277201431	Date & Time: 6/5/17	
Relinquished by: OnTrac	Received by: WP	Date & Time: 6/6/17 12:30	
Relinquished by:	Received by:	Date & Time:	

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date:

Page 3 of 3

Laboratory Data & Chain of Custody
Soil Boring (SB-1 to SB-6) &
Monitoring Well Installation (MW-1 to MW-8)
Initial Well Sampling - Second Quarter 2017
June 2017

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

Date: June 15, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170609-46, -47, -48**

Dear Mr. Cloven:

The **analytical results** for the water samples, received by our laboratory on June 9, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/09/17
DATE EXTRACTED: 06/09/17
DATE ANALYZED: 06/13/17
DATE REPORTED: 06/15/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-1	170609-46	ND	ND	ND	1
MW-2	170609-47	ND	ND	ND	1
MW-3	170609-48	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/13/2017 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

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

Spiked Sample Lab I.D.: **170612-19 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	12000	13600	**113%**	14500	**121%**	**6%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	13600	**113%**	**75-125**

Analyzed and Reviewed by: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: WATER
DATE SAMPLED: 06/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/09/17
DATE ANALYZED: 06/10/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: MW-1
LAB I.D.: 170609-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/09/17
DATE ANALYZED: 06/10/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: MW-1
LAB I.D.: 170609-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/09/17
DATE ANALYZED:06/10/17
DATE REPORTED:06/15/17

SAMPLE I.D.: **MW-2**
LAB I.D.: 170609-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/09/17
DATE ANALYZED: 06/10/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: MW-2
LAB I.D.: 170609-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/09/17
DATE ANALYZED:06/10/17
DATE REPORTED:06/15/17

SAMPLE I.D.: **MW-3**
LAB I.D.: 170609-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL x1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

------ TO BE CONTINUED ON PAGE #2 ------

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: WATER
DATE SAMPLED: 06/05/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/09/17
DATE ANALYZED: 06/10/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: MW-3

LAB I.D.: 170609-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/05/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/09/17
DATE ANALYZED:06/09/17
DATE REPORTED:06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170609-46, -47, -48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
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DATE RECEIVED: 06/09/17
DATE ANALYZED: 06/09/17
DATE REPORTED: 06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170609-46, -47, -48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/9-10/2017 **Matrix:** Water/Liquid
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170608-23 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.1	120%	28.4	114%	7%	75-125	0-20
Chlorobenzene	0	25.0	29.3	117%	26.3	105%	12%	75-125	0-20
1,1-Dichloroethene	0	25.0	22.3	89%	20.6	82%	7%	75-125	0-20
Toluene	0	25.0	28.9	116%	27.5	110%	6%	75-125	0-20
Trichloroethene (TCE)	0	25.0	28.4	114%	27.4	109%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	30.8	123%	75-125
Chlorobenzene	25.0	28.1	112%	75-125
Chloroform	25.0	30.5	122%	75-125
1,1-Dichloroethene	25.0	28.1	112%	75-125
Ethylbenzene	25.0	30.0	120%	75-125
o-Xylene	25.0	30.3	121%	75-125
m,p-Xylene	50.0	60.1	120%	75-125
Toluene	25.0	29.4	118%	75-125
1,1,1-Trichloroethane	25.0	30.8	123%	75-125
Trichloroethene (TCE)	25.0	28.4	114%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**170608-23**	**170608-24**	**170608-25**	**170608-26**	**170608-27**	**170608-28**
Dibromofluoromethane	25.0	70-130	107%	93%	98%	101%	102%	116%	123%
Toluene-d8	25.0	70-130	101%	99%	102%	98%	101%	102%	107%
4-Bromofluorobenzene	25.0	70-130	88%	84%	87%	87%	83%	101%	86%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**170609-22**	**170609-23**	**170609-24**	**170609-46**	**170609-47**	**170609-48**	**170609-92**
Dibromofluoromethane	25.0	70-130	114%	134*%	142*%	120%	126%	121%	120%
Toluene-d8	25.0	70-130	101%	102%	103%	102%	102%	102%	102%
4-Bromofluorobenzene	25.0	70-130	95%	100%	59*%	94%	95%	94%	94%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-G/8015M	VOCs/8260B								COMMENTS
MW-1	170609-46	6-5	1630	Water	4		VOA HCL A-L-No	X	X								
MW-2	-47	↓	1440	↓	4		HCL No	X	X								
MW-3	-48	↓	1530	↓	4		HCL [illegible]	X	X								

Analysis Required

Misc./PO#

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton CA 94517

Project Contact: Peter Cloven
Tel: 925/673-5500
Fax: email to francoisbush@gmail.com

Sampler's Signature: [signature]

Project Name/ID: Petaluma - Corona Rd

Relinquished by: [signature]	Received by: ON TRAC # D10011129815611	Date & Time: 6/8/17 10:00
Relinquished by: OnTrac	Received by: [signature]	Date & Time: 6/9/17 [illegible]
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 6/8/17

Page 1 of 1

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

Date: June 16, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170612-14 through -19**

Dear Mr. Cloven:

The **analytical results** for the water samples, received by our laboratory on June 12, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/08/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/12/17
DATE EXTRACTED:06/12/17
DATE ANALYZED:06/13/17
DATE REPORTED:06/16/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-4	170612-14	ND	ND	ND	1
MW-5	170612-15	ND	ND	ND	1
MW-6	170612-16	ND	ND	ND	1
MW-7	170612-17	ND	ND	ND	1
MW-8	170612-18	ND	ND	ND	1
MW-9	170612-19	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/13/2017 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

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

Spiked Sample Lab I.D.: **170612-19 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	12000	13600	**113%**	14500	**121%**	**6%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	13600	**113%**	**75-125**

Analyzed and Reviewed by: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/08/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/12/17
DATE ANALYZED:06/12/17
DATE REPORTED:06/16/17

SAMPLE I.D.: **MW-4**

LAB I.D.: 170612-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	1.89	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/08/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/12/17
DATE ANALYZED:06/12/17
DATE REPORTED:06/16/17

SAMPLE I.D.: **MW-4**

LAB I.D.: 170612-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/08/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/12/17
DATE ANALYZED: 06/12/17
DATE REPORTED: 06/16/17

SAMPLE I.D.: **MW-5**
LAB I.D.: 170612-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL x1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	17.4	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

------ TO BE CONTINUED ON PAGE #2 ------

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX: WATER
DATE SAMPLED: 06/08/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/12/17
DATE ANALYZED: 06/12/17
DATE REPORTED: 06/16/17

SAMPLE I.D.: MW-5
LAB I.D.: 170612-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	1
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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SAMPLE I.D.: MW-6
LAB I.D.: 170612-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	6.77	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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

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SAMPLE I.D.: **MW-6**

LAB I.D.: 170612-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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CAL-DHS CERTIFICATE # 1555

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

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CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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SAMPLE I.D.: **MW-7**
LAB I.D.: 170612-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, **PAGE 1 OF 2**
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL x1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

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SAMPLE I.D.: **MW-7**
LAB I.D.: 170612-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	1
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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SAMPLE I.D.: **MW-8**

LAB I.D.: 170612-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL x1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
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SAMPLE I.D.: **MW-8**
LAB I.D.: 170612-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
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SAMPLE I.D.: **MW-9**

LAB I.D.: 170612-19

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, **PAGE 1 OF 2**
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	1.91	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

------ TO BE CONTINUED ON PAGE #2 ------

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

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SAMPLE I.D.: MW-9
LAB I.D.: 170612-19

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL TERT-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/08/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/12/17
DATE ANALYZED: 06/12/17
DATE REPORTED: 06/16/17

METHOD BLANK REPORT FOR LAB I.D.: 170609-14 THROUGH -19

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/08/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/12/17
DATE ANALYZED:06/12/17
DATE REPORTED:06/16/17

METHOD BLANK REPORT FOR LAB I.D.: 170609-14 THROUGH -19

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/12/2017 **Matrix:** Water/Liquid
Machine: B **Unit:** ug/L (PPB)

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

Spiked Sample Lab I.D.: 170612-17 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	31.1	124%	29.0	116%	8%	75-125	0-20
Chlorobenzene	0	25.0	28.0	112%	28.3	113%	1%	75-125	0-20
1,1-Dichloroethene	0	25.0	22.2	89%	20.6	82%	6%	75-125	0-20
Toluene	0	25.0	30.6	122%	28.3	113%	9%	75-125	0-20
Trichloroethene (TCE)	0	25.0	29.7	119%	27.5	110%	9%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	29.6	118%	75-125
Chlorobenzene	25.0	28.0	112%	75-125
Chloroform	25.0	29.6	118%	75-125
1,1-Dichloroethene	25.0	26.1	104%	75-125
Ethylbenzene	25.0	29.6	118%	75-125
o-Xylene	25.0	29.9	120%	75-125
m,p-Xylene	50.0	61.1	122%	75-125
Toluene	25.0	28.9	116%	75-125
1,1,1-Trichloroethane	25.0	29.1	116%	75-125
Trichloroethene (TCE)	25.0	28.6	114%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170612-14	170612-15	170612-16	170612-17	170612-18	170612-19
Dibromofluoromethane	25.0	70-130	95%	122%	112%	116%	116%	113%	111%
Toluene-d8	25.0	70-130	98%	98%	97%	97%	98%	98%	97%
4-Bromofluorobenzene	25.0	70-130	90%	93%	90%	70%	90%	64*%	58*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-g/BTEX/MTBE	VOCs/8260B	COMMENTS
MW-4	190612-14	6/8/17	1130	Water	4		HCl	X	X	
MW-5	-15	↓	1520	↓	4		HCl/ice	X	X	
MW-6	-16	↓	1250	↓	4		↓	X	X	
MW-7	-17	↓	1350	↓	4		↓	X	X	
MW-8	-18	↓	1640	↓	4		↓	X	X	
MW-9	-19	↓	0745	↓	4		↓	X	X	
					1x LA 3x VOAs					

Analysis Required

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 945

Project Contact: Peter Cloven
Tel: 925-673-5500
email: francoisbush@gmail.com

Sampler's Signature: [signature]
Project Name/ID: Petaluma - Corona Station

Relinquished by: [signature]	Received by: ON-TRAC	Date & Time: 6/9/17 12:00
Relinquished by: Ontrac	Received by: WP	Date & Time: 6/12/17 8:30
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 5/8/17

Page 1 of 1

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

Date: June 12, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Corona Rd - Petaluma**
LAB I.D.: **170606-46 through -51**

Dear Mr. Cloven:

The **analytical results** for the water samples, received by our laboratory on June 6, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/01&02/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE EXTRACTED: 06/06/17
DATE ANALYZED: 06/07/17
DATE REPORTED: 06/12/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SB-4-GW	170606-46	ND	ND	ND	1
SB-3-GW	170606-47	ND	ND	ND	1
SB-5-GW	170606-48	2050 *	673 *	ND	1
SB-6-GW	170606-49	ND	ND	ND	1
SB-1-GW	170606-50	ND	ND	ND	1
SB-2-GW	170606-51	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

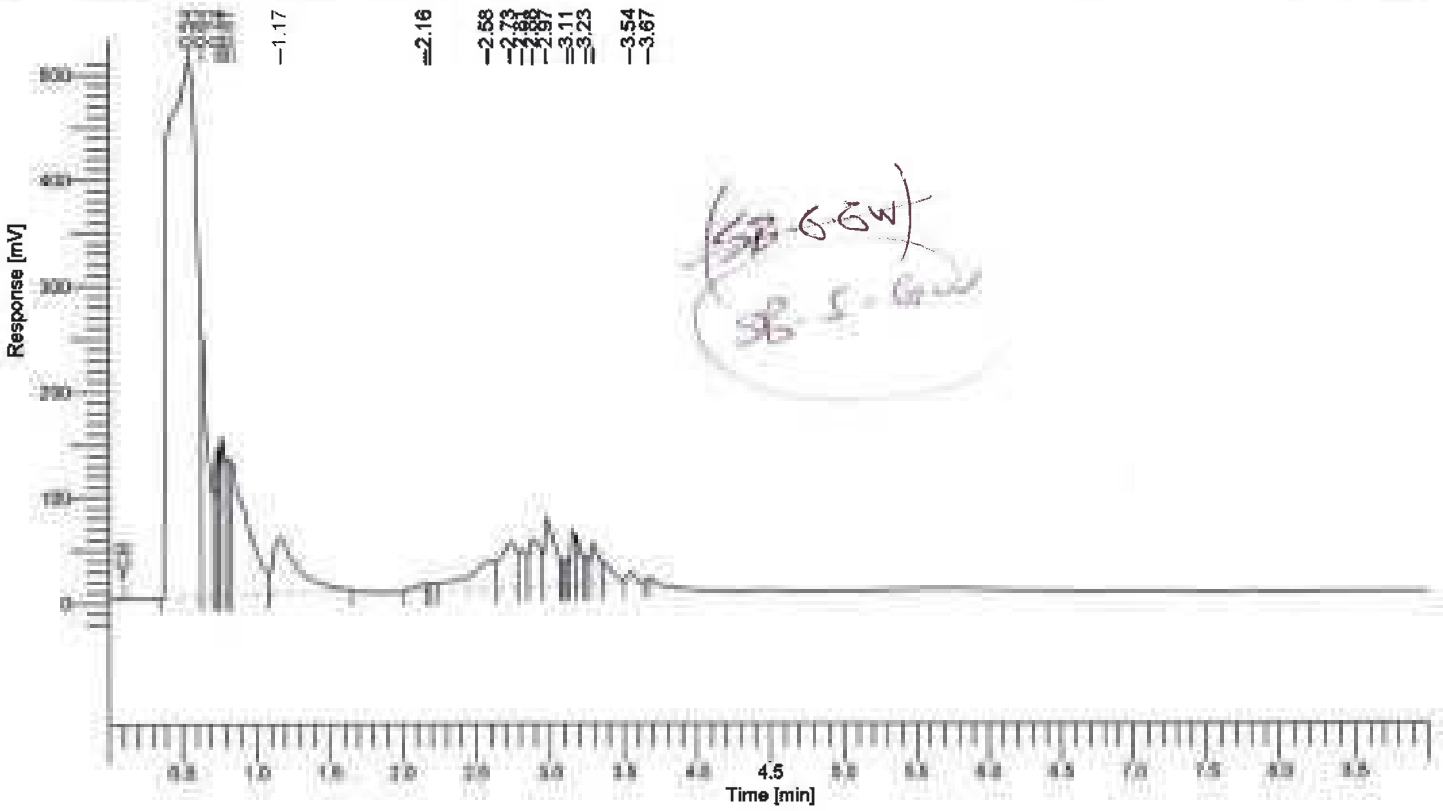
COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
^ = PEAKS IN GASOLINE RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF GASOLINE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

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

Software Version	[illegible]	Date	6/8/2017 1:34:37 PM
Sample Name	[illegible] 500/3	Data Acquisition Time	6/7/2017 10:26:26 AM
Instrument Name	[illegible]	Channel	[illegible]
Rack/Vial	[illegible]	Operator	GC
Sample Amount	[illegible]	Dilution Factor	1.000000
Cycle	10		

10/3/17

Result File : D:\GC DATA\GC-I\I02017\I1706\I170606\A010.rst
Sequence File : D:\GC DATA\GC-I\I02017\I1706\I170606\I170606.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C10	1702276	341.5
C11-C22	760002	112.2
	2462277	453.7

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/7/2017 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

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

Spiked Sample Lab I.D.: 170606-46 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	12000	12800	**107%**	11900	**99%**	**7%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	13100	**109%**	**75-125**

Analyzed and Reviewed by: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX:WATER
DATE SAMPLED:06/1/17
REPORT TO:MR. PETER CLOVEN
DATE RECEIVED:06/06/17
DATE ANALYZED:06/08/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-4-GW**
LAB I.D.: 170606-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX:WATER
DATE SAMPLED:06/1/17
REPORT TO:MR. PETER CLOVEN
DATE RECEIVED:06/06/17
DATE ANALYZED:06/08/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-4-GW**
LAB I.D.: 170606-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Corona Rd - Petaluma**

MATRIX: WATER
DATE SAMPLED: 06/1/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/06/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/12/17

SAMPLE I.D.: **SB-3-GW**
LAB I.D.: 170606-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

TO BE CONTINUED ON PAGE 2

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX:WATER
DATE SAMPLED:06/1/17
REPORT TO:MR. PETER CLOVEN
DATE RECEIVED:06/06/17
DATE ANALYZED:06/08/17
DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-3-GW**
LAB I.D.: 170606-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Corona Rd - Petaluma

MATRIX:WATER
DATE SAMPLED:06/1/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/06/17
DATE ANALYZED:06/08/17
DATE REPORTED:06/12/17

SAMPLE I.D.: SB-5-GW

LAB I.D.: 170606-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X10
ACETONE	ND	10
BENZENE	864	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE 2 -----

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SAMPLE I.D.: **SB-5-GW**
LAB I.D.: 170606-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X10
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	42.5	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	11.8	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-6-GW**
LAB I.D.: 170606-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	18.1	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **SB-6-GW**
LAB I.D.: 170606-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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SAMPLE I.D.: **SB-1-GW**
LAB I.D.: 170606-50

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	8.03	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

TO BE CONTINUED ON PAGE #2

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SAMPLE I.D.: **SB-1-GW**
LAB I.D.: 170606-50

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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DATE REPORTED:06/12/17

SAMPLE I.D.: **SB-2-GW**
LAB I.D.: 170606-51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **SB-2-GW**
LAB I.D.: 170606-51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
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DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

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P.O. Box 904
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METHOD BLANK REPORT FOR LAB I.D.: 170606-46 THROUGH -51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

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

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METHOD BLANK REPORT FOR LAB I.D.: 170606-46 THROUGH -51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/8/2017
Machine: 8

Matrix: Water/Liquid
Unit: ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170607-1 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	28.5	114%	24.6	98%	16%	75-125	0-20
Chlorobenzene	0	25.0	26.8	107%	23.9	96%	11%	75-125	0-20
1,1-Dichloroethene	0	25.0	19.0	76%	23.1	92%	16%	75-125	0-20
Toluene	0	25.0	23.7	95%	24.2	97%	2%	75-125	0-20
Trichloroethene (TCE)	0	25.0	26.9	108%	30.6	122%	15%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	29.4	118%	75-125
Chlorobenzene	25.0	27.0	108%	75-125
Chloroform	25.0	29.4	118%	75-125
1,1-Dichloroethene	25.0	27.2	109%	75-125
Ethylbenzene	25.0	29.4	118%	75-125
o-Xylene	25.0	29.3	117%	75-125
m,p-Xylene	50.0	60.5	121%	75-125
Toluene	25.0	28.3	113%	75-125
1,1,1-Trichloroethane	25.0	30.0	120%	75-125
Trichloroethene (TCE)	25.0	27.4	110%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170606-46	170606-47	170606-48	170606-49	170606-50	170606-51
Dibromofluoromethane	25.0	70-130	99%	107%	101%	96%	106%	91%	91%
Toluene-d8	25.0	70-130	99%	101%	101%	97%	101%	96%	98%
4-Bromofluorobenzene	25.0	70-130	84%	85%	83%	88%	85%	88%	90%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170607-1	170607-2	170607-3	170607-4	170608-17	170608-3	
Dibromofluoromethane	25.0	70-130	94%	96%	106%	116%	113%	108%	
Toluene-d8	25.0	70-130	99%	99%	100%	103%	100%	78%	
4-Bromofluorobenzene	25.0	70-130	88%	88%	98%	84%	101%	100%	

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results
spk conc = Spike Concentration
MS = Matrix Spike
%RC = Percent Recovery
ACP %RC = Accepted Percent Recovery
MSD = Matrix Spike Duplicate

Analyzed/Reviewed By:

Final Reviewer:

Enviro-Chem, Inc. Laboratories

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

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
● 1 Week (Standard)

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-g/TPH-d (Analysis Required)	VOCs-8260 (Analysis Required)	COMMENTS
SB-4-GW	17066-46	6/1/17	1345	Water	4		HCl / VOA-HCl / Amber	X	X	
SB-3-GW	-47	6/1/17	1520	↓	4		↓	X	X	
SB-5-GW	-48	6/2	0830	↓	4		↓	X	X	
SB-6-GW	-49	↓	0945	↓	4		↓	X	X	
SB-1-GW	-50	↓	1105	↓	4		↓	X	X	
SB-2-GW	-51	↓	12:40	↓	4		↓	X	X	

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton CA 94517

Project Contact: Peter Cloven
Tel: 925-348-0884
email/Fax: francoisbush@gmail.com

Sampler's Signature: [signature]
Project Name/ID: Petaluma / Corona Rd

Relinquished by: [signature]	Received by: ONTRAC D10011277 20507	Date & Time: 6/5/17 0830
Relinquished by: Ontrac	Received by: WP	Date & Time: 6/5/17 10:30
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: ______

WHITE WITH SAMPLE / YELLOW TO CLIENT

Page 1 of 1

Laboratory Data & Chain of Custody
Third Quarter 2017 Groundwater Sampling (MW-1 to MW-8)
September 2017

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

Date: September 15, 2017

Mr. Francois Bush
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com

Project: **Corona Road Station**
LAB I.D.: **170908-7 through -13**

Dear Mr. Bush:

The **analytical results** for the water samples, received by our laboratory on September 8, 2017, (via Ontrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE EXTRACTED: 09/08/17
DATE ANALYZED: 09/11/17
DATE REPORTED: 09/15/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
DW-1	170908-7	ND	ND	ND	1
MW-7	170908-8	ND	ND	ND	1
MW-6	170908-9	ND	ND	ND	1
MW-4	170908-10	ND	ND	ND	1
MW-9	170908-11	ND	ND	ND	1
MW-8	170908-12	ND	ND	ND	1
MW-5	170908-13	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 9/11-12/2017 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

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

Spiked Sample Lab I.D.: 170908-183 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	12000	11900	**99%**	13100	**109%**	**10%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	12700	**106%**	**75-125**

Analyzed and Reviewed by: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station

MATRIX:WATER
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/13/17
DATE REPORTED:09/15/17

SAMPLE I.D.: DW-1

LAB I.D.: 170908-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

***** TO BE CONTINUED ON PAGE #2 *****

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/13/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **DW-1**

LAB I.D.: 170908-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/13/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-7**

LAB I.D.: 170908-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/13/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-7**

LAB I.D.: 170908-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX:WATER
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/13/17
DATE REPORTED:09/15/17

SAMPLE I.D.: **MW-6**

LAB I.D.: 170908-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station

MATRIX:WATER
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/13/17
DATE REPORTED:09/15/17

SAMPLE I.D.: MW-6

LAB I.D.: 170908-9

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX:WATER
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/13/17
DATE REPORTED:09/15/17

SAMPLE I.D.: **MW-6**

LAB I.D.: 170908-9

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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P.O. Box 904
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SAMPLE I.D.: MW-4

LAB I.D.: 170908-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	2.17	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

------ TO BE CONTINUED ON PAGE #2 ------

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

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SAMPLE I.D.: **MW-4**

LAB I.D.: 170908-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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SAMPLE I.D.: MW-9

LAB I.D.: 170908-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	1.74	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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

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P.O. Box 904
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SAMPLE I.D.: MW-9

LAB I.D.: 170908-11

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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P.O. Box 904
Clayton, CA 94517
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SAMPLE I.D.: MW-8

LAB I.D.: 170908-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **MW-8**

LAB I.D.: 170908-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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DATE REPORTED:09/15/17

SAMPLE I.D.: MW-5

LAB I.D.: 170908-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	3.97	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
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DATE RECEIVED: 09/08/17
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DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-5**
LAB I.D.: 170908-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (707) 975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/12/17
DATE REPORTED: 09/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-7 THROUGH -13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station**

MATRIX:WATER
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/12/17
DATE REPORTED:09/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-7 THROUGH -13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 9/12-13/2017 **Matrix:** Water/Liquid
Machine: B **Unit:** ug/L (PPB)

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

Spiked Sample Lab I.D.: 170908-7 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	27.6	110%	28.7	115%	4%	75-125	0-20
Chlorobenzene	0	25.0	27.1	108%	30.5	122%	14%	75-125	0-20
1,1-Dichloroethene	0	25.0	26.9	108%	28.3	113%	6%	75-125	0-20
Toluene	0	25.0	27.7	111%	28.8	115%	4%	75-125	0-20
Trichloroethene (TCE)	0	25.0	26.7	107%	28.8	115%	8%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	26.0	104%	75-125
Chlorobenzene	25.0	27.4	110%	75-125
Chloroform	25.0	26.7	107%	75-125
1,1-Dichloroethene	25.0	25.5	102%	75-125
Ethylbenzene	25.0	26.2	105%	75-125
o-Xylene	25.0	25.0	100%	75-125
m,p-Xylene	50.0	53.8	108%	75-125
Toluene	25.0	26.1	104%	75-125
1,1,1-Trichloroethane	25.0	25.8	103%	75-125
Trichloroethene (TCE)	25.0	24.3	97%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170908-7	170908-8	170908-9	170908-10	170908-11	170908-12
Dibromofluoromethane	25.0	70-130	124%	150*%	106%	137*%	146*%	140*%	135*%
Toluene-d8	25.0	70-130	100%	104%	99%	103%	104%	104%	108%
4-Bromofluorobenzene	25.0	70-130	85%	84%	81%	83%	86%	86%	91%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170908-13	170908-180	170908-181	170908-182	170908-183	170912-18	170911-25
Dibromofluoromethane	25.0	70-130	146*%	104%	125%	120%	111%	129%	133*%
Toluene-d8	25.0	70-130	104%	103%	101%	102%	103%	102%	101%
4-Bromofluorobenzene	25.0	70-130	90%	82%	82%	82%	86%	83%	85%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170912-27						
Dibromofluoromethane	25.0	70-130	129%						
Toluene-d8	25.0	70-130	102%						
4-Bromofluorobenzene	25.0	70-130	82%						

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

Turnaround Time
- O Same Day
- O 24 Hours
- O 48 Hours
- O 72 Hours
- ● 1 Week (Standard)
- Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-g	VOCs/8260	COMMENTS
DW-1	170908-7	9/6	1200	Water	3		✓	X	X	VOA's in w/ soil sample shipment
MW-7	-8	↓	1400	↓	3		✓	X	X	
MW-6	-9	↓	1510	↓	3		✓	X	X	
MW-4	-10	↓	1530	↓	3		✓	X	X	
MW-9	-11	↓	1430	↓	3		✓	X	X	
MW-8	-12	↓	1605	↓	3		✓	X	X	
MW-5	-13	↓	1620	↓	3		✓	X	X	FM 9/6/17
					3xVOAs 1xGA					

Analysis Required

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton CA

Project Contact: Francois Bush
Tel: 707/975-5791
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Tool Station

Relinquished by: [signature]	Received by: On Trac	Date & Time 9/7/17 1214
Relinquished by: On Trac	Received by: Jessica [signature]	9/8/17 1020
Relinquished by:	Received by:	Date & Time

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

Date: 9/6/17

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Laboratory Data & Chain of Custody Soil Sampling Data & Vapor (SV-1 to SV-21) September 2017

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

Date: September 14, 2017

Mr. Francois Bush
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com

Project: **Corona Station**
LAB I.D.: **170907-8 through -14**

Dear Mr. Bush:

The **analytical results** for the soil samples, received by our laboratory on September 7, 2017, (via Ontrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com

PROJECT: Corona Station

MATRIX:SOIL
DATE SAMPLED:09/05/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/07/17
DATE EXTRACTED:09/11/17
DATE ANALYZED:09/11-12/17
DATE REPORTED:09/14/17

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

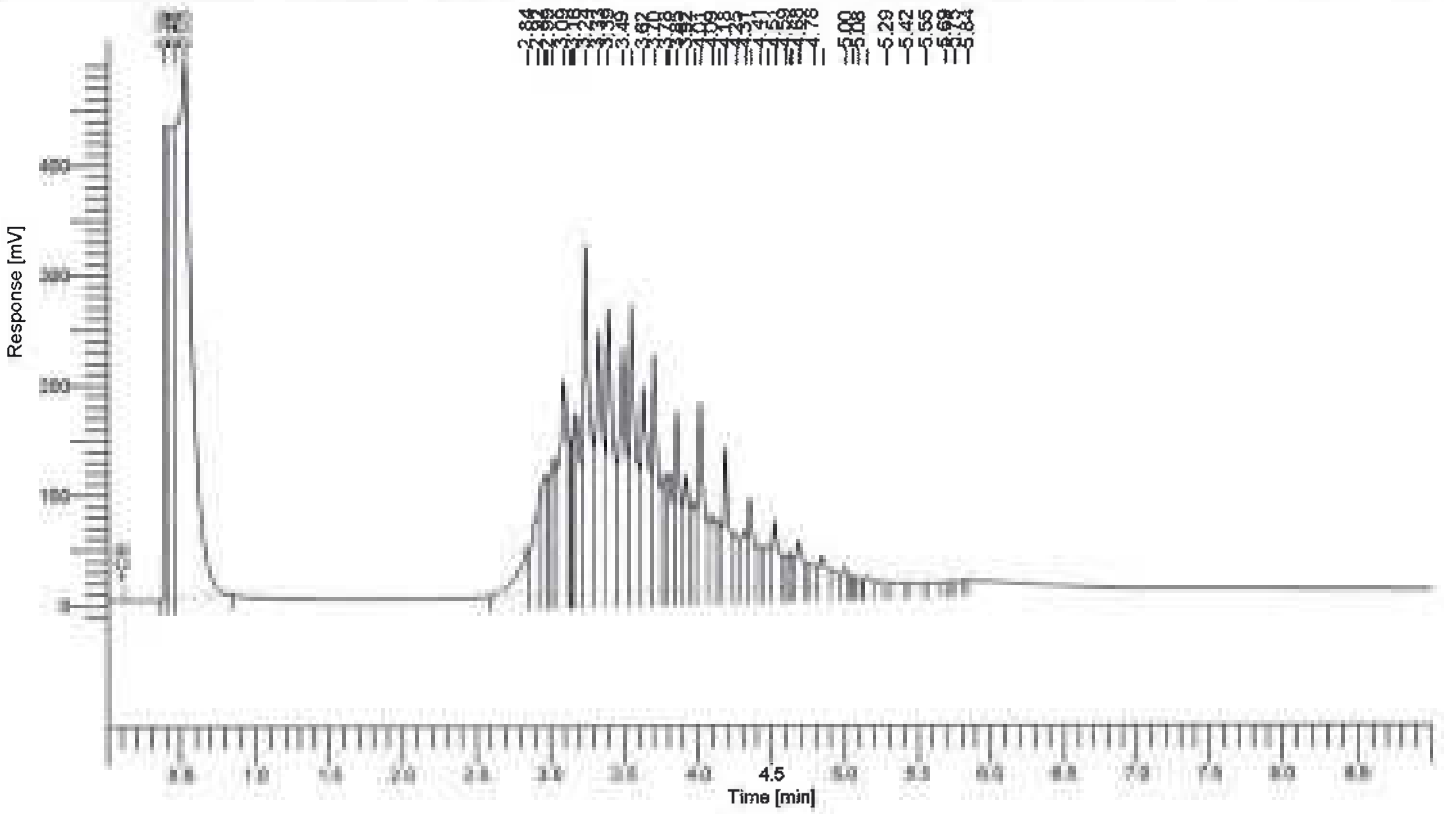
SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SV-1-4	170907-8	16.1 ^	92.2	ND	1
SV-1-8	170907-9	ND	59.8	ND	1
SV-1-12	170907-10	ND	ND	ND	1
SS-4-2.5	170907-11	ND	ND	ND	5
SS-5-2.5	170907-12	ND	ND	ND	1
SS-6-2.5	170907-13	ND	ND	ND	1
SS-7-2.5	170907-14	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Software Version	6.3.2.0646	Date	: 9/12/2017 10:49:18 AM
Sample Name	170907-8 20/2	Data Acquisition Time	: 9/11/2017 11:36:36 AM
Instrument Name	GC-I	Channel	: A
Rack/Vial	0/13	Operator	GC
Sample Amount	1.000000	Dilution Factor	1.000000
Cycle	14		

Result File : D:\GC DATA\GC-I\02017\I709\I70911\A014.rst
Sequence File : D:\GC DATA\GC-I\02017\I709\I70911\I70911.seq



8015 Results

Component Name	Area [pV*sec]	Adjusted Amount
C4-C10	483294	161.3
C11-C22	11333667	921.9
C23-C35	51298	71.7
	11868260	1154.8

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 9/11/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170907-10 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	201	**100%**	186	**93%**	**8%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	195	**97%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com

PROJECT: Corona Station

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

SAMPLE I.D.: SS-5-2.5

LAB I.D.: 170907-12

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium Total (Cr)	49.5	0.5	1	2,500	560/5@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR TITLE 22 (if marked)

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

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

METHOD BLANK REPORT FOR LAB I.D.: 170907-12

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non Detected or Below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

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

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 9/8/2017 — **Unit : mg/Kg(ppm)**

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	170906-33	50.0	98	PASS	16.2	50.0	70.1	108%	70.5	109%	1%
Lead(Pb)	170906-33	50.0	105	PASS	2.89	50.0	50.2	95%	50.6	95%	1%
Nickel(Ni)	170906-33	50.0	98	PASS	6.78	50.0	51.5	89%	51.8	90%	1%

ANALYSIS DATE. : 9/8/2017

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	170907-15	0.108	99	PASS	0	0.125	0.120	96%	0.123	98%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Nickel(Ni)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

SAMPLE I.D.: **SV-1-4**

LAB I.D.: 170907-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	0.549	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

------ TO BE CONTINUED ON PAGE #2 ------

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

SAMPLE I.D.: **SV-1-4**

LAB I.D.: 170907-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	0.485	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	0.415	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	2.33	0.005
1,3,5-TRIMETHYLBENZENE	0.937	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	1.07	0.010
O-XYLENE	0.337	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com

PROJECT: Corona Station

MATRIX:SOIL
DATE SAMPLED:09/05/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/07/17
DATE ANALYZED:09/08/17
DATE REPORTED:09/14/17

SAMPLE I.D.: SV-1-8

LAB I.D.: 170907-9

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	0.105	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

SAMPLE I.D.: **SV-1-8**

LAB I.D.: 170907-9

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	0.076	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX:SOIL
DATE SAMPLED:09/05/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/07/17
DATE ANALYZED:09/08/17
DATE REPORTED:09/14/17

SAMPLE I.D.: **SV-1-12**

LAB I.D.: 170907-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	0.065	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/08/17
DATE REPORTED: 09/14/17

SAMPLE I.D.: **SV-1-12**
LAB I.D.: 170907-10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com
PROJECT: Corona Station

MATRIX:SOIL
DATE SAMPLED:09/05/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/07/17
DATE ANALYZED:09/07/17
DATE REPORTED:09/14/17

METHOD BLANK REPORT FOR LAB I.D.: 170907-8, -9, -10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Station**

MATRIX: SOIL
DATE SAMPLED: 09/05/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/07/17
DATE ANALYZED: 09/07/17
DATE REPORTED: 09/14/17

METHOD BLANK REPORT FOR LAB I.D.: 170907-8, -9, -10

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 9/7-8/2017 **Matrix:** Solid/Soil/Liquid
Machine: C **Unit:** ug/kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170907-LCS1/2

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.049	98%	0.045	90%	8%	75-125	0-20
Chlorobenzene	0	0.050	0.046	92%	0.045	90%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.046	92%	0.042	84%	8%	75-125	0-20
Toluene	0	0.050	0.045	90%	0.042	84%	6%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.044	88%	0.041	82%	6%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.046	92%	75-125
Chlorobenzene	0.050	0.045	90%	75-125
Chloroform	0.050	0.041	82%	75-125
1,1-Dichlorothene	0.050	0.049	98%	75-125
Ethylbenzene	0.050	0.052	104%	75-125
o-Xylene	0.050	0.047	94%	75-125
m,p-Xylene	0.100	0.106	106%	75-125
Toluene	0.050	0.043	86%	75-125
1,1,1-Trichloroethane	0.050	0.043	86%	75-125
Trichloroethene (TCE)	0.050	0.042	84%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170907-1~4	170906-65	170906-66	170906-67	170906-68	170906-69
Dibromofluoromethane	50.0	70-130	90%	88%	79%	113%	95%	79%	82%
Toluene-d8	50.0	70-130	96%	92%	95%	90%	94%	93%	95%
4-Bromofluorobenzene	50.0	70-130	75%	68*%	81%	36*%	84%	80%	81%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170906-70	170907-8	170907-9	170907-10	170907-15	170907-17	170907-18
Dibromofluoromethane	50.0	70-130	94%	94%	84%	86%	143*%	86%	76%
Toluene-d8	50.0	70-130	95%	104%	93%	100%	61*%	64*%	73%
4-Bromofluorobenzene	50.0	70-130	71%	87%	82%	83%	39*%	53*%	48*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D									
Dibromofluoromethane	50.0	70-130							
Toluene-d8	50.0	70-130							
4-Bromofluorobenzene	50.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#

Analysis Required

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-cc/8015M	VOCs/8260	Total Chrome	COMMENTS
SV-1-4	170907-8	9/5	0840	Soil	1		No	X	X		
SV-1-8	-9		0845		1			X	X		
SV-1-12	-10		0850		1			X	X		
SS-4-2.5	-11		1500		1			X			
SS-5-2.5	-12		1520		1			X		X	
SS-6-2.5	-13		1535		1			X			
SS-7-2.5	-14		1545		1			X			

RT

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton, CA

Project Contact: Francois Bush
Tel: 707/975-5791
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Station

Relinquished by: [signature]	Received by: ON-TRAC	9/6/17 [illegible] 12:00
Relinquished by: On Trac	Received by: [signature]	9/7/17 1100
Relinquished by:	Received by:	Date & Time

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

Date: 9/8/17

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: September 15, 2017

Mr. Francois Bush
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com

Project: **Corona Road Station Petaluma**
LAB I.D.: **170908-163 through -179**

Dear Mr. Bush:

The **analytical results** for the soil and water samples, received by our laboratory on September 8, 2017, (via United Parcel Service), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE EXTRACTED: 09/13/17
DATE ANALYZED: 09/13&14/17
DATE REPORTED: 09/15/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SV-17-4	170908-163	ND	ND	ND	1
SV-2-4	170908-165	ND	20	ND	2
SV-11-8	170908-168	ND	ND	ND	1
SB-21-4	170908-169	ND	38.1	ND	1
SV-12-8	170908-172	ND	ND	ND	1
SV-19-4	170908-173	ND	ND	ND	1
SV-20-4	170908-175	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 9/13-14/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170908-128 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	196	**98%**	178	**89%**	**10%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	183	**92%**	**75-125**

Analyzed and Reviewed By:

Final Reviewer:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: WATER
DATE SAMPLED: 09/07/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE EXTRACTED: 09/11/17
DATE ANALYZED: 09/11/17
DATE REPORTED: 09/15/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
MW-1	170908-177	ND	ND	ND	1
MW-2	170908-178	ND	ND	ND	1
MW-3	170908-179	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 9/11-12/2017 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

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

Spiked Sample Lab I.D.: 170908-183 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	12000	11900	**99%**	13100	**109%**	**10%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	12700	**106%**	**75-125**

Analyzed and Reviewed by:

Final Reviewer:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-17-4**
LAB I.D.: 170908-163

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

TO BE CONTINUED ON PAGE #2

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX:SOIL
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE ANALYZED:09/09/17
DATE REPORTED:09/15/17

SAMPLE I.D.: **SV-17-4**

LAB I.D.: 170908-163

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-2-4**
LAB I.D.: 170908-165

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X500*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

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PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH
DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

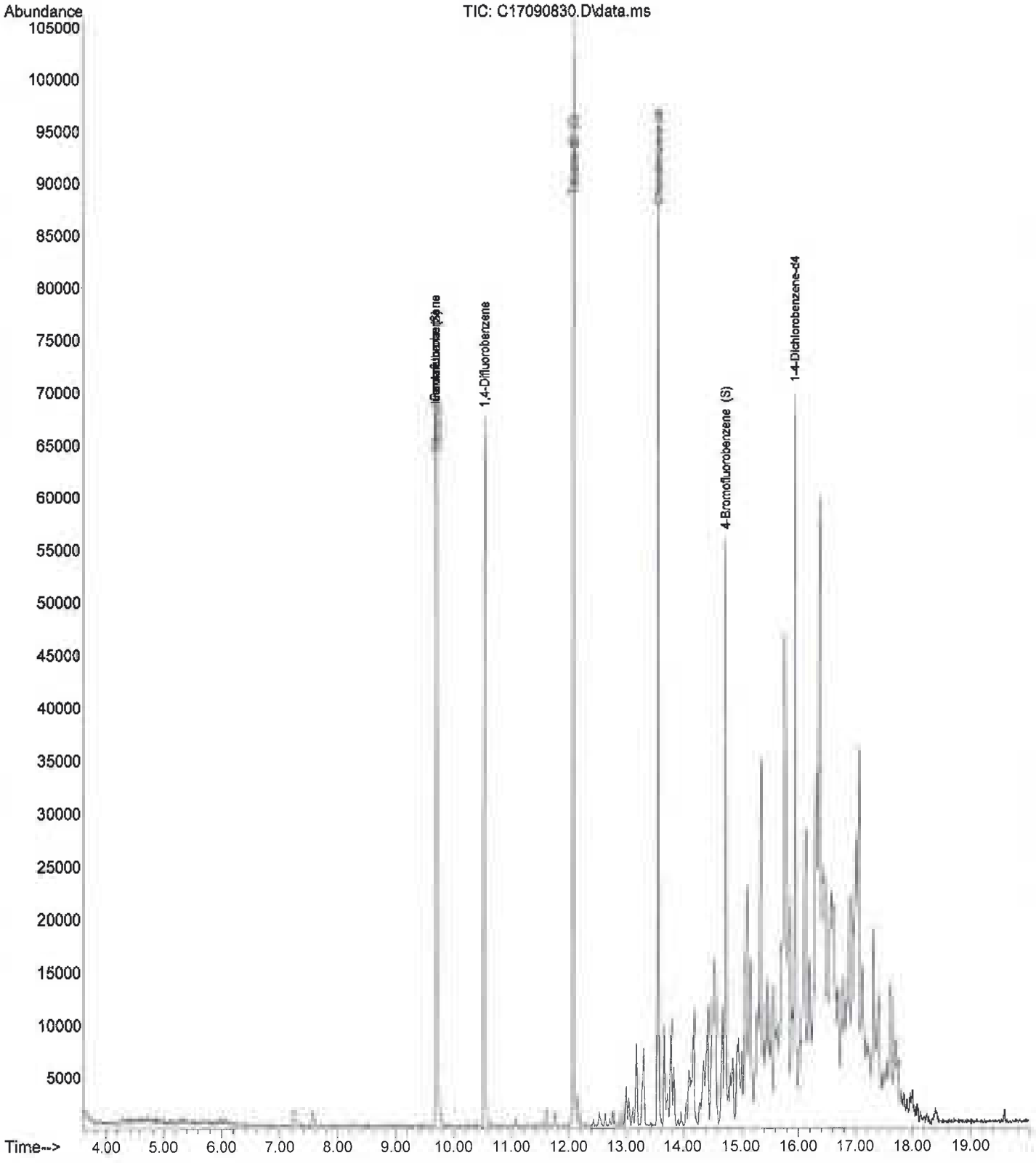
SAMPLE I.D.: **SV-2-4**
LAB I.D.: 170908-165

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X500*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2017DATA\C1709\C170908\C17090830.D
Operator
Acquired : 9 Sep 2017 4:37 am using AcqMethod 8260C098.M
Instrument : Instrument #1
Sample Name: 170908-165 500X
Misc Info
Vial Number: 30



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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-11-8**
LAB I.D.: 170908-168

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-11-8**
LAB I.D.: 170908-168

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SB-21-4**
LAB I.D.: 170908-169

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X20*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SB-21-4**
LAB I.D.: 170908-169

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X20*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH
DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-12-8**
LAB I.D.: 170908-172

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH
DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-12-8**
LAB I.D.: 170908-172

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-19-4**

LAB I.D.: 170908-173

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X20*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
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Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH
DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-19-4**
LAB I.D.: 170908-173

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X20*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-20-4**
LAB I.D.: 170908-175

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
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Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/09/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **SV-20-4**

LAB I.D.: 170908-175

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
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DATE REPORTED: 09/15/17

METHOD BLANK REPORT FOR LAB I.D.:
170908-163, 170908-165, 170908-168, 170908-169, 170908-172, 170908-173, 170908-175

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

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METHOD BLANK REPORT FOR LAB I.D.:
170908-163, 170908-165, 170908-168, 170908-169, 170908-172, 170908-173, 170908-175

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 9/8-9/2017 **Matrix:** Solid/Soil/Liquid
Machine: G **Unit:** ug/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170908-LCS1/2

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.052	104%	0.051	102%	2%	75-125	0-20
Chlorobenzene	0	0.050	0.047	94%	0.045	90%	4%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.057	114%	0.052	104%	10%	75-125	0-20
Toluene	0	0.050	0.048	96%	0.046	92%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.046	92%	0.044	88%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.052	104%	75-125
Chlorobenzene	0.050	0.044	88%	75-125
Chloroform	0.050	0.046	92%	75-125
1,1-Dichlorothene	0.050	0.054	108%	75-125
Ethylbenzene	0.050	0.051	102%	75-125
o-Xylene	0.050	0.048	96%	75-125
m,p-Xylene	0.100	0.103	103%	75-125
Toluene	0.050	0.047	94%	75-125
1,1,1-Trichloroethane	0.050	0.058	116%	75-125
Trichloroethene (TCE)	0.050	0.045	90%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170908-128	170908-129	170908-130	170908-131	170908-132	170908-133
Dibromofluoromethane	50.0	70-130	101%	102%	103%	115%	109%	116%	106%
Toluene-d8	50.0	70-130	100%	94%	94%	91%	94%	100%	98%
4-Bromofluorobenzene	50.0	70-130	82%	79%	79%	70%	74%	78%	76%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170908-134	170908-135	170908-136	170908-163	170908-165	170908-168	170908-169
Dibromofluoromethane	50.0	70-130	108%	108%	106%	90%	101%	89%	92%
Toluene-d8	50.0	70-130	98%	98%	99%	98%	99%	96%	97%
4-Bromofluorobenzene	50.0	70-130	74%	76%	76%	72%	79%	70%	68*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170908-172	170908-173	170908-175				
Dibromofluoromethane	50.0	70-130	110%	92%	98%				
Toluene-d8	50.0	70-130	100%	100%	99%				
4-Bromofluorobenzene	50.0	70-130	73%	70%	70%				

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____
Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/12/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-1**
LAB I.D.: 170908-177

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

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MATRIX: WATER
DATE SAMPLED: 09/06/17
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DATE RECEIVED: 09/08/17
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DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-1**
LAB I.D.: 170908-177

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/12/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-2**

LAB I.D.: 170908-178

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE 2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
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DATE RECEIVED: 09/08/17
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DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-2**

LAB I.D.: 170908-178

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL TERT-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/12/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-3**
LAB I.D.: 170908-179

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: **Corona Road Station Petaluma**

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/12/17
DATE REPORTED: 09/15/17

SAMPLE I.D.: **MW-3**

LAB I.D.: 170908-179

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	1
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station Petaluma

MATRIX: WATER
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/11/17
DATE REPORTED: 09/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-177, -178, -179

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

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DATE REPORTED: 09/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-177, -178, -179

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 9/11-12/2017 **Matrix:** Water/Liquid
Machine: [illegible] **Unit:** ug/L (PPB)

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

Spiked Sample Lab I.D.: 170907-83 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.5	122%	26.6	106%	16%	75-125	0-20
Chlorobenzene	0	25.0	31.1	124%	29.3	117%	7%	75-125	0-20
1,1-Dichloroethene	0	25.0	29.1	116%	26.8	107%	9%	75-125	0-20
Toluene	0	25.0	30.9	124%	26.5	106%	18%	75-125	0-20
Trichloroethene (TCE)	0	25.0	26.9	108%	25.2	101%	7%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	27.6	110%	75-125
Chlorobenzene	25.0	27.3	109%	75-125
Chloroform	25.0	29.6	118%	75-125
1,1-Dichloroethene	25.0	26.8	107%	75-125
Ethylbenzene	25.0	25.8	103%	75-125
o-Xylene	25.0	25.3	101%	75-125
m,p-Xylene	50.0	53.5	107%	75-125
Toluene	25.0	27.9	112%	75-125
1,1,1-Trichloroethane	25.0	27.7	111%	75-125
Trichloroethene (TCE)	25.0	25.3	101%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**170907-83**	**170907-84**	**170907-85**	**170907-86**	**170907-87**	**170907-88**
Dibromofluoromethane	25.0	70-130	129%	130%	114%	120%	110%	116%	130%
Toluene-d8	25.0	70-130	102%	102%	99%	100%	102%	102%	103%
4-Bromofluorobenzene	25.0	70-130	85%	84%	93%	89%	89%	94%	94%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D			**170907-89**	**170907-90**	**170907-91**	**170907-92**	**170907-93**	**170907-94**	**170907-95**
Dibromofluoromethane	25.0	70-130	99%	131*%	119%	130%	149*%	105%	139*%
Toluene-d8	25.0	70-130	103%	103%	106%	105%	103%	104%	104%
4-Bromofluorobenzene	25.0	70-130	100%	85%	92%	97%	93%	95%	96%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**170907-96**	**170907-97**	**170908-177**	**170908-178**	**170908-179**	**170908-228**	
Dibromofluoromethane	25.0	70-130	142*%	112%	109%	100%	115%	108%	
Toluene-d8	25.0	70-130	104%	105%	104%	100%	81%	104%	
4-Bromofluorobenzene	25.0	70-130	96%	96%	96%	96%	103%	96%	

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By:

Final Reviewer:

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH CC 8015	VOCs/8260								COMMENTS
MW-1	170908-177	9/7	1005	Water	3		Y	X	X								
MW-2	-178	9/7	1120	↓	3	1XLA	Y	X	X								
MW-3	-179	9/7	1050	↓	3		Y	X	X								

Analysis Required

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton CA

Project Contact: Francois Bush
Tel: 707) 975-5791
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Rd Station

Relinquished by: [signature]	Received by: On-Trac	Date & Time: 9/7/17 1400
Relinquished by: On Trac	Received by: [signature]	Date & Time: 9/8/17 1000
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO#: Shipment includes From Jonathan from COC #1 9/6

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/8260	TPH-cc/8015								COMMENTS
SV-17-4	170908-163	9/6	1005	Soil	1	1 PT	No	X	X								
SV-17-8	-164	↓	1010	↓	1		↓										Hold
SV-2-4	-165	↓	1110	↓	1		↓	X	X								
SV-2-8	-166	↓	1115	↓	1		↓										Hold
SV-11-4	-167	↓	1135	↓	1		↓										Hold
SV-11-8	-168	↓	1140	↓	1		↓	X	X								
SB-21-4	-169	↓	1305	↓	1		↓	X	X								
SB-21-8	-170	↓	1310	↓	1		↓										Hold
SV-12-4	-171	↓	1335	↓	1		↓										Hold
SV-12-8	-172	↓	1340	↓	1		↓	X	X								
SV-19-4	-173	↓	1405	↓	1		↓	X	X								
SV-19-8	-174	↓	1410	↓	1		↓										Hold
SV-20-4	-175	↓	1430	↓	↓		↓	X	X								
SV-20-8	-176	↓	1435	↓	↓		↓										Hold

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94571

Project Contact: Francois Bush
Tel: 707-975-5791
Fax:

Sampler's Signature:

Project Name/ID: Corona Rd Station Petaluma

Relinquished by:
Received by: On-Trac
Relinquished by: On Trac
Received by:
Relinquished by:
Received by:
Date & Time:

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

Date: 9/6/17

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: September 21, 2017

Mr. Francois Bush
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(707)975-5791 Email: Francoisbush@gmail.com

Project: **Corona Road Station Petaluma**
LAB I.D.: **170908-163 through -179**

Dear Mr. Bush:

The **additional TPH and VOCs results** for the soil and water samples, received by our laboratory on September 8, 2017, (via United Parcel Service), are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Deslets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station Petaluma

MATRIX:SOIL
DATE SAMPLED:09/06/17
REPORT TO:MR. FRANCOIS BUSH

DATE RECEIVED:09/08/17
DATE EXTRACTED:09/21/17
DATE ANALYZED:09/21/17
DATE REPORTED:09/21/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SV-2-8	170908-166	ND	ND	ND	1
SB-21-8	170908-170	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

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

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

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 9/21/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170908-166 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 Range	0	200	183	91%	184	92%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 Range	200	240	120%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925)673-5500 Email: Francoisbush@gmail.com

PROJECT: Corona Road Station Petaluma

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/20/17
DATE REPORTED: 09/21/17

SAMPLE I.D.: SV-2-8

LAB I.D.: 170908-166

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925)673-5500 Email: Francoisbush@gmail.com

PROJECT: Corona Road Station Petaluma

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYSED: 09/20/17
DATE REPORTED: 09/21/17

SAMPLE I.D.: SV-2-8

LAB I.D.: 170908-166

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91788 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel:(925)673-5500 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station Petaluma

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/20/17
DATE REPORTED: 09/21/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-166

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

METHOD BLANK REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
Tel: (925) 673-5500 Email: Francoisbush@gmail.com
PROJECT: Corona Road Station Petaluma

MATRIX: SOIL
DATE SAMPLED: 09/06/17
REPORT TO: MR. FRANCOIS BUSH

DATE RECEIVED: 09/08/17
DATE ANALYZED: 09/20/17
DATE REPORTED: 09/21/17

METHOD BLANK REPORT FOR LAB I.D.: 170908-166

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

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

8260B QA/QC Report

Date Analyzed: 9/20-21/2017 **Matrix:** Solid/Soil/Liquid

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

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

Spiked Sample Lab I.D.: 170920-1 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.053	106%	0.061	122%	16%	75-125	0-20
Chlorobenzene	0	0.050	0.040	80%	0.048	96%	18%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.050	100%	0.059	118%	16%	75-125	0-20
Toluene	0	0.050	0.045	90%	0.051	102%	12%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.042	84%	0.050	100%	16%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.054	108%	75-125
Chlorobenzene	0.050	0.042	84%	75-125
Chloroform	0.050	0.043	86%	75-125
1,1-Dichloroethene	0.050	0.053	106%	75-125
Ethylbenzene	0.050	0.052	104%	75-125
o-Xylene	0.050	0.046	92%	75-125
m,p-Xylene	0.100	0.102	102%	75-125
Toluene	0.050	0.045	90%	75-125
1,1,1-Trichloroethane	0.050	0.062	124%	75-125
Trichloroethene (TCE)	0.050	0.046	92%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**170919-1**	**170919-2**	**170919-3**	**170919-4**	**170858-1MS**	
Dibromofluoromethane	50.0	70-130	89%	122%	96%	115%	97%	80%	
Toluene-d8	50.0	70-130	101%	100%	101%	99%	103%	103%	
4-Bromofluorobenzene	50.0	70-130	73%	73%	109%	109%	79%	77%	

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	50.0	70-130							
Toluene-d8	50.0	70-130							
4-Bromofluorobenzene	50.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	50.0	70-130							
Toluene-d8	50.0	70-130							
4-Bromofluorobenzene	50.0	70-130							

* = Surrogate fail due to matrix interference. LCS, MS, MSD are in control therefore the analysis is in control

S.R. = Sample Results %RC = Percent Recovery

spk conc = Spike Concentration ACP %RC = Accepted Percent Recovery

MS = Matrix Spike MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: _____

Final Reviewer: _____

Gmail Jessica Lin <envirocheminc@gmail.com>

Fwd: FW: Corona Road Station Petaluma

Curtis B. Desilets <curt.envirocheminc@gmail.com> Wed, Sep 20, 2017 at 8:06 AM
To: Jessica Lin <envirocheminc@gmail.com>

See below...

---------- Forwarded message ----------
From: **Peter Cloven** <pcloven@pei-env.com>
Date: Tue, Sep 19, 2017 at 4:37 PM
Subject: FW: Corona Road Station Petaluma
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>, Jessica Huang <jh04envirocheminc@gmail.com>

Could you please run the following:

For additional analyses , please request tph-cc and VOCs for held sample SV-2-8 and tph-CC (only) for held sample sb-21-8.

↓ 170918-16

↓ 170918-17

Respectfully,

Peter K. Cloven

Pinnacle Environmental, Inc.

pcloven@pei-env.com

(925) 673-5500

(925) 673-5507 fax

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

Turnaround Time:
- Same Day
- 24 Hours
- 48 Hours
- 72 Hours
- ■ 1 Week (Standard)
- Other

Misc./PO#: Shipment includes [illegible] from COC #1 9/6/17

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/8260	TPH-G/8015									COMMENTS
SV-17-4	170908-163	9/6	1005	Soil	1		No	X	X									
SV-17-8	-164	↓	1010	↓	1		↓											HOLD
SV-2-4	-165	↓	1110	↓	1		↓	X	X									
SV-2-8	-166	↓	1115	↓	1		↓											HOLD
SV-11-4	-167	↓	1135	↓	1		↓											HOLD
SV-11-8	-168	↓	1140	↓	1		↓	X	X									
SB-21-4	-169	↓	1305	↓	1		↓	X	X									
SB-21-8	-170	↓	1310	↓	1		↓											HOLD
SV-12-4	-171	↓	1335	↓	1		↓											HOLD
SV-12-8	-172	↓	1340	↓	1		↓	X	X									
SV-19-4	-173	↓	1405	↓	1		↓	X	X									
SV-19-8	-174	↓	1410	↓	1		↓											HOLD
SV-20-4	-175	↓	1430	↓	1		↓	X	X									
SV-20-8	-176	↓	1435	↓	↓		↓											HOLD

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94571

Project Contact: Francois Bush
Tel: 707-975-5791
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Rd Station Petaluma

Relinquished by: [signature]	Received by: On-Trac	Date & Time: 9/7/17 1200
Relinquished by: On Trac	Received by: [signature]	Date & Time: 9/8/17 1000
Relinquished by:	Received by:	Date & Time:

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

Date: 9/6/17

CHAIN OF COSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 2 of 2

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

Turnaround Time:
- ○ Same Day
- ○ 24 Hours
- ○ 48 Hours
- ○ 72 Hours
- ● 1 Week Standard
- Other:

Misc./PO#:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: TPH CC Gas	Analysis Required: VOCs/8260	COMMENTS
MW-1	170908-177	9/7	1005	Water	3	Sealed?	Y	X	X	
MW-2	-178	9/7	1120	↓	3		Y	X	X	
MW-3	-179	9/7	1050	↓	3		Y	X	X	

Company Name: Pinnacle Environmental
Address:
City/State/Zip: Clayton CA

Project Contact: Francois Bush
Tel: 707) 973-5791
Fax:

Sampler's Signature: [signature]
Project Name/ID: Corona Rd Station

Relinquished by: [signature]	Received by: On-Trac	Date & Time: 9/7/17 1400
Relinquished by: On Trac	Received by: [signature]	Date & Time: 9/8/17 1000
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE / YELLOW TO CLIENT

Date: ______

Shallow Soil Vapor Data & Chain
September 2017

18 September 2017

Mr. Francois Bush
Pinnacle Environmental, Inc.
PO Box 1956
Paradise, CA 95967

SUBJECT: DATA REPORT - Pinnacle Environmental, Inc. Project
Corona Road / 890 North McDowell Boulevard, Petaluma, California

TEG Project # 70905F

Mr. Bush:

Please find enclosed a data report for the samples analyzed from the above referenced project for Pinnacle Environmental, Inc. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 22 analyses on 22 soil vapor samples.

-- 22 analyses on soil vapors for volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Pinnacle Environmental, Inc. on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

teg

Pinnacle Environmental, Inc.
Corona Road
890 North McDowell Boulevard
Petaluma, California

TEG Project #70905F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		Probe Blank	Probe Blank	SV-1	SV-2	SV-3	SV-4
SAMPLE DEPTH (feet):				5.0	5.0	5.0	4.0
PURGE VOLUME:				3	3	3	3
COLLECTION DATE:		9/5/17	9/6/17	9/5/17	9/5/17	9/5/17	9/5/17
COLLECTION TIME:		10:03	7:39	11:38	12:24	12:57	13:25
DILUTION FACTOR:		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	11000	4000	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	1000	5300	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	3300	2200	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	11000	6600	nd	nd
o-Xylene	100	nd	nd	2800	1700	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		89%	87%	92%	79%	87%	89%
Surrogate Recovery (Toluene-d8)		92%	90%	103%	112%	90%	94%
Surrogate Recovery (1,4-BFB)		90%	84%	86%	81%	90%	93%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorena Williams

11360 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Pinnacle Environmental, Inc.
Corona Road
890 North McDowell Boulevard
Petaluma, California

TEG Project #70905F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		SV-4 dup	SV-5	SV-6	SV-7	SV-8	SV-9
SAMPLE DEPTH (feet):		4.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		3	3	3	3	3	3
COLLECTION DATE:		9/5/17	9/5/17	9/5/17	9/5/17	9/5/17	9/5/17
COLLECTION TIME:		13:25	14:20	14:51	8:25	15:16	15:43
DILUTION FACTOR:		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		97%	86%	82%	86%	90%	81%
Surrogate Recovery (Toluene-d8)		91%	93%	87%	93%	94%	83%
Surrogate Recovery (1,4-BFB)		87%	90%	86%	89%	95%	86%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorena Williams

11050 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Pinnacle Environmental, Inc.
Corona Road
890 North McDowell Boulevard
Petaluma, California

TEG Project #70985F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		SV-10	SV-10 dup	SV-11	SV-12	SV-13	SV-14
SAMPLE DEPTH (feet):		5.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		3	3	3	3	3	3
COLLECTION DATE:		9/6/17	9/6/17	9/6/17	9/6/17	9/6/17	9/6/17
COLLECTION TIME:		8:53	8:53	9:44	10:06	10:31	10:58
DILUTION FACTOR:		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		78%	82%	88%	83%	87%	84%
Surrogate Recovery (Toluene-d8)		88%	92%	92%	92%	94%	89%
Surrogate Recovery (1,4-BFB)		79%	85%	86%	85%	89%	82%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorene Williams

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Pinnacle Environmental, Inc.
Corona Road
890 North McDowell Boulevard
Petaluma, California

TEG Project #70905F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		SV-15	SV-16	SV-17	SV-18	SV-19	SV-20
SAMPLE DEPTH (feet):		5.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		3	3	3	3	3	3
COLLECTION DATE:		9/6/17	9/6/17	9/6/17	9/6/17	9/6/17	9/6/17
COLLECTION TIME:		11:27	11:49	12:18	12:48	13:19	14:11
DILUTION FACTOR:		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	2800	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	2900	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	7900	nd
o-Xylene	100	nd	nd	nd	nd	150	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		88%	77%	86%	89%	82%	87%
Surrogate Recovery (Toluene-d8)		91%	88%	92%	94%	89%	91%
Surrogate Recovery (1,4-BFB)		88%	81%	89%	93%	83%	86%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorene Williams

11350 Monier Park Place. Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Pinnacle Environmental, Inc.
Corona Road
890 North McDowell Boulevard
Petaluma, California

TEG Project #70905F

CALIBRATION DATA - Calibration Check Compounds

	Vinyl Chloride	1,1 DCE	Chloroform	1,2 DCP	Toluene	Ethylbenzene
Midpoint	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*
Continuing Calibration - Midpoint						
9/5/17	*9.0*	*9.1*	*8.5*	*9.6*	*10.7*	*9.9*
	90%	*91%*	*85%*	*96%*	*107%*	*99%*
9/6/17	*9.0*	*9.0*	*8.2*	*8.8*	*9.6*	*9.2*
	90%	*90%*	*82%*	*88%*	*96%*	*92%*

Laboratory Data & Chain of Custody
Shallow Soil Sampling Data (SS-1 to SS-10)
June & September 2017

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

Date: June 15, 2017

Mr. Peter Cloven
Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com

Project: **Petaluma - Corona Station**
LAB I.D.: **170608-29 through -38**

Dear Mr. Cloven:

The **analytical results** for the soil samples, received by our laboratory on June 8, 2017, (via OnTrac), are attached. The samples were received chilled, intact and accompanying chain of custody record.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE EXTRACTED: 06/12/17
DATE ANALYZED: 06/12-13/17
DATE REPORTED: 06/15/17

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

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SS-1-0.5	170608-29	ND	ND	ND	1
SS-2-0.5	170608-30	ND	ND	ND	1
SS-3-0.5	170608-31	ND	ND	177	2
SS-4-0.5	170608-32	ND	110 *	3430	10
SS-5-0.5	170608-33	ND	631 *	13700	40
SS-6-0.5	170608-34	ND	110 *	4100	10
SS-7-0.5	170608-35	ND	ND	2370	10
SS-8-0.5	170608-36	ND	ND	522	5
SS-9-0.5	170608-37	ND	ND	ND	1
SS-10-0.5	170608-38	ND	ND	340	5
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

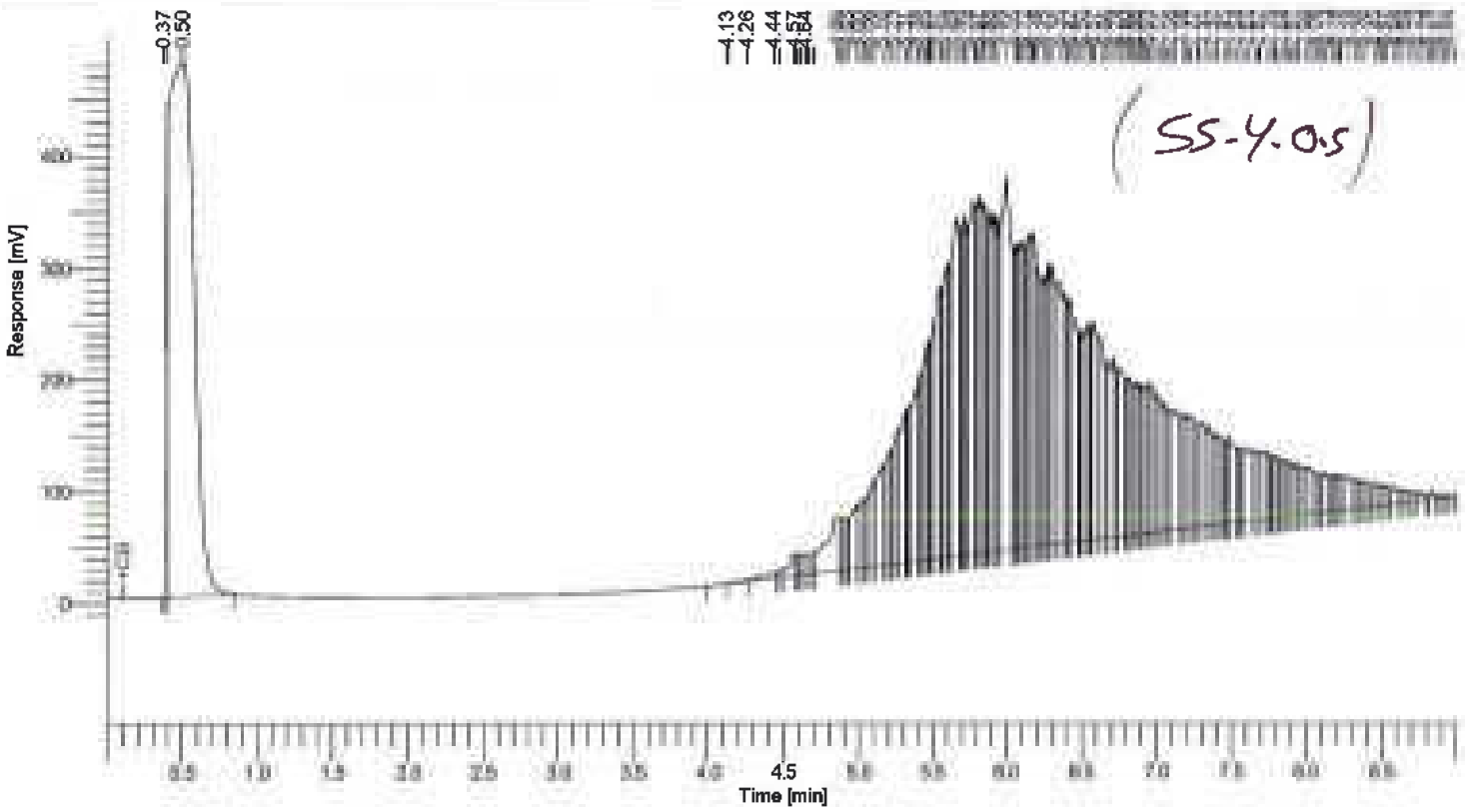
COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

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

Software Version : 6.3.2.0646
Sample Name : 170808-32 20/20***
Instrument Name : GC-I
Rack/Vial : 0/16
Sample Amount : 1.000000
Cycle : 22

Date : 6/13/2017 8:05:55 AM
Data Acquisition Time : 6/12/2017 2:02:09 PM
Channel : A
Operator : GC
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-I\I02017\I1706\I170612\A022.rst
Sequence File : D:\GC DATA\GC-I\I02017\I1706\I170612\I170612.seq

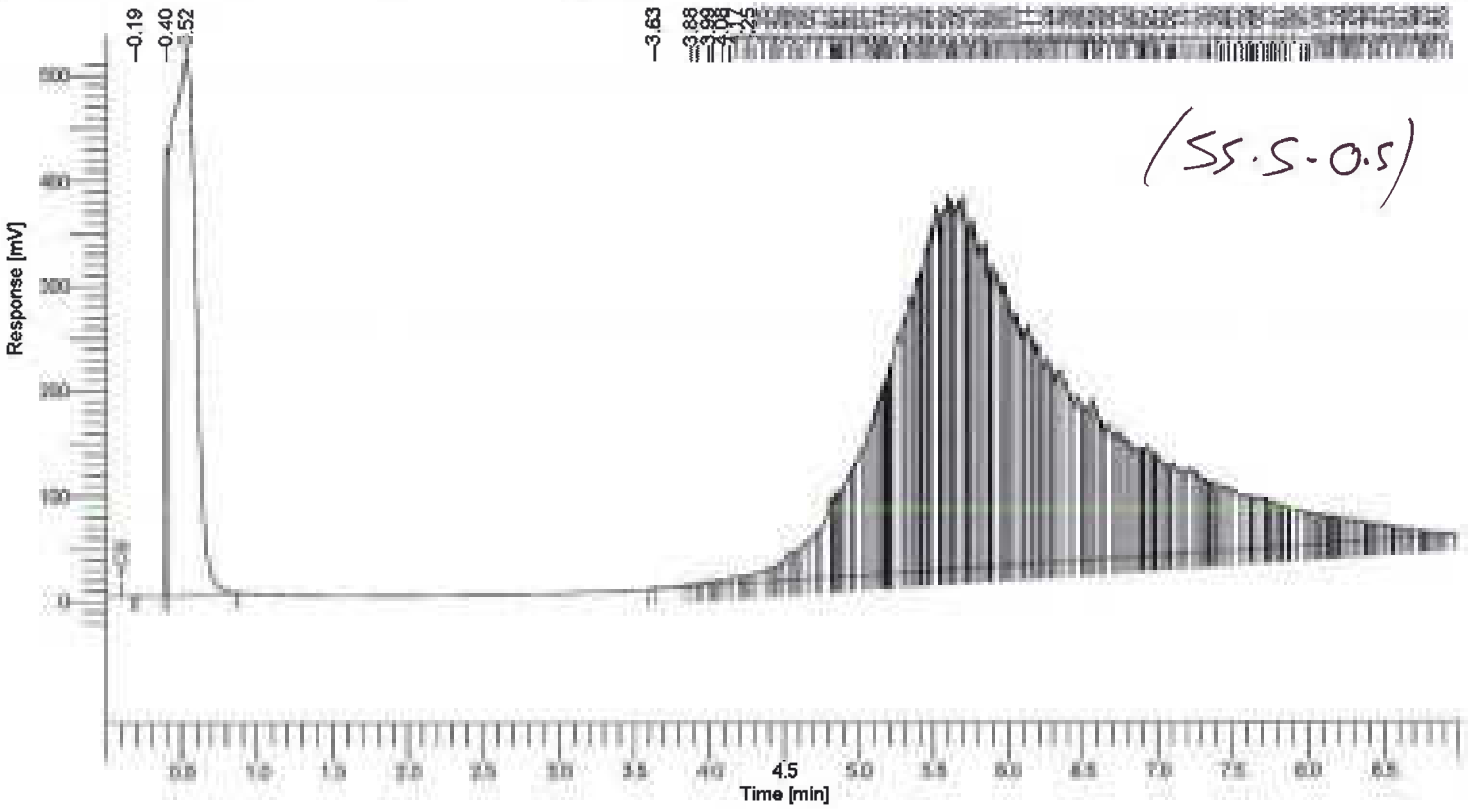


8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	724478	109.5
C23-C36	28600203	3425.5
	29324681	3535.0

Software Version	6.3.2.0646	Date	: 6/14/2017 12:02:10 PM
Sample Name	170608-33	Data Acquisition Time	: 6/13/2017 9:41:14 AM
Instrument Name	GC-I	Channel	: A
Rack/Vial	0/11	Operator	: manager
Sample Amount	1.000000	Dilution Factor	: 1.000000
Cycle			

Result File : D:\GC DATA\GC-I\I2017\I1706\I170612\A096.rst
Sequence File : D:\GC DATA\GC-I\I2017\I1706\I170612\I170612.seq

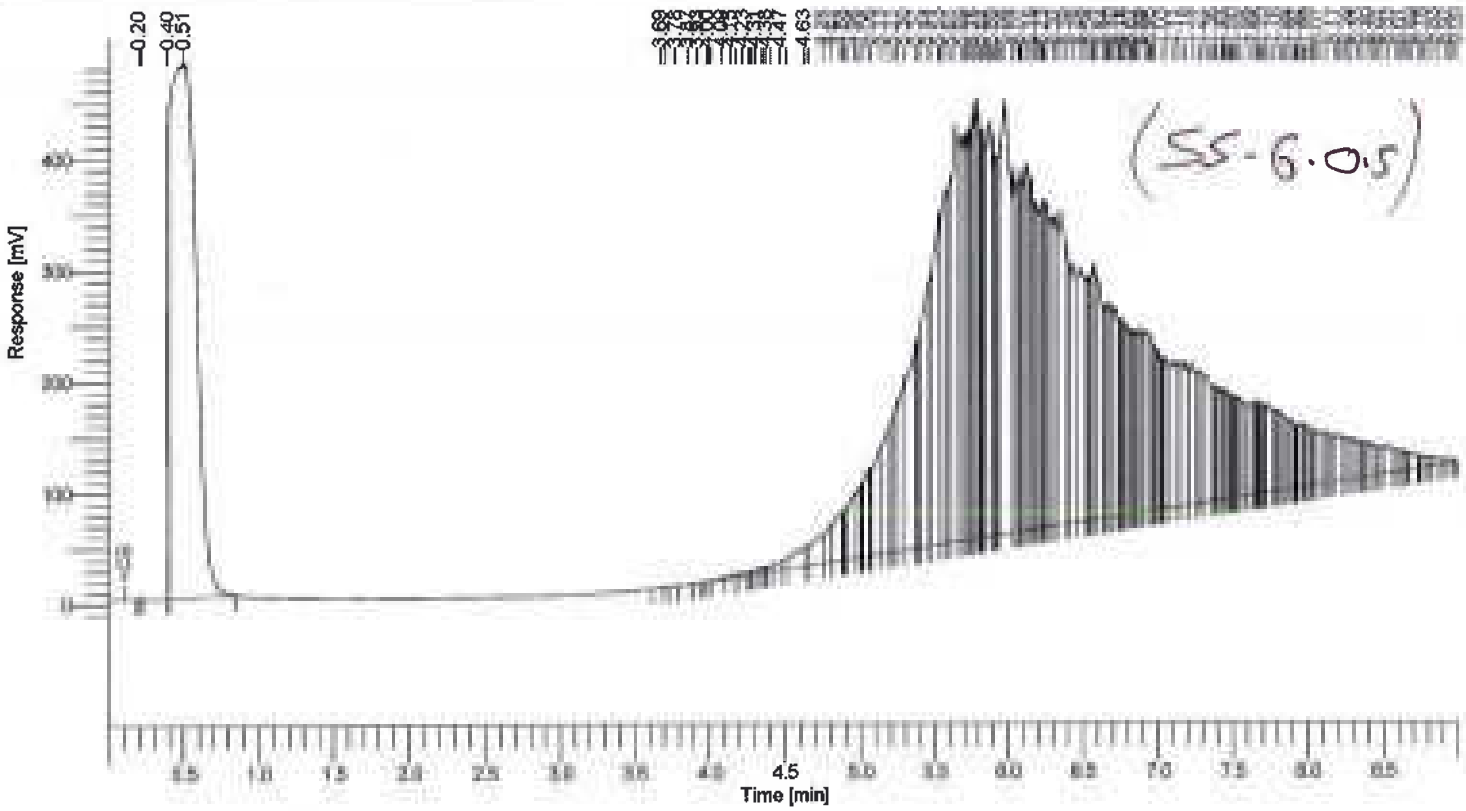


8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	1356356	157.8
C23-C36	28687539	3435.8
	30043896	3593.6

Software Version	6.3.2.0646	Date	: 6/13/2017 8:07:44 AM
Sample Name	170608-34 20/20***	Data Acquisition Time	: 6/12/2017 3:02:41 PM
Instrument Name	GC-I	Channel	: A
Rack/Vial	0/18	Operator	: GC
Sample Amount	1.000000	Dilution Factor	: 1.000000
Cycle	27		

Result File : D:\GC DATA\GC-N\2017\1706\170612\A027.rst
Sequence File : D:\GC DATA\GC-N\2017\1706\170612\170612.seq



Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	731000	110.0
C23-C35	34359621	4102.1
	35090621	4212.1

Enviro Chem, Inc

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

8015B QA/QC Report

Date Analyzed: 6/12-13/2017 **Units:** mg/Kg (ppm)

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

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

Spiked Sample Lab I.D.: **170608-19 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	200	184	92%	186	93%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	188	94%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/09/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-1-0.5** LAB I.D.: 170608-29

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	3.98	0.3	10	500	5.0	6010B
Barium(Ba)	166	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	39.9	0.5	10	2,500	560/50	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	18.9	1.0	10	8,000	80	6010B
Copper(Cu)	33.0	1.0	10	2,500	25	6010B
Lead(Pb)	9.47	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.355	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	59.6	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	71.9	5.0	10	2,400	24	6010B
Zinc(Zn)	71.8	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

LABORATORY REPORT

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(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

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SAMPLE I.D.: **SS-2-0.5**
LAB I.D.: 170608-30

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	97.5	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	50.6 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	17.9	1.0	10	8,000	80	6010B
Copper(Cu)	26.8	1.0	10	2,500	25	6010B
Lead(Pb)	7.62	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.329	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	62.8	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	72.1	5.0	10	2,400	24	6010B
Zinc(Zn)	116	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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SAMPLE I.D.: **SS-3-0.5**
LAB I.D.: 170608-31

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	6.36	0.3	10	500	5.0	6010B
Barium(Ba)	112	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	40.8	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	—	0.1	—	500	5.0	7196A
Cobalt(Co)	20.0	1.0	10	8,000	80	6010B
Copper(Cu)	30.9	1.0	10	2,500	25	6010B
Lead(Pb)	16.6	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.059	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	61.3	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	80.0	5.0	10	2,400	24	6010B
Zinc(Zn)	72.1	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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SAMPLE I.D.: **SS-4-0.5**

LAB I.D.: 170608-32

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	107	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	33.3	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	20.1	1.0	10	8,000	80	6010B
Copper(Cu)	30.4	1.0	10	2,500	25	6010B
Lead(Pb)	5.85	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.121	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	38.7	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	98.4	5.0	10	2,400	24	6010B
Zinc(Zn)	87.0	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
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STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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SAMPLE I.D.: **SS-5-0.5** LAB I.D.: 170608-33

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	3.50	0.3	10	500	5.0	6010B
Barium(Ba)	120	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	66.5 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	--	500	5.0	7196A
Cobalt(Co)	18.0	1.0	10	8,000	80	6010B
Copper(Cu)	34.4	1.0	10	2,500	25	6010B
Lead(Pb)	10.5	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.078	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	65.9	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	109	5.0	10	2,400	24	6010B
Zinc(Zn)	95.1	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
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SAMPLE I.D.: **SS-6-0.5**

LAB I.D.: 170608-34

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	3.21	0.3	10	500	5.0	6010B
Barium(Ba)	138	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	44.2	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	--	500	5.0	7196A
Cobalt(Co)	19.0	1.0	10	8,000	80	6010B
Copper(Cu)	24.8	1.0	10	2,500	25	6010B
Lead(Pb)	7.30	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.440	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	55.2	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	87.0	5.0	10	2,400	24	6010B
Zinc(Zn)	74.0	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLE I.D.: **SS-7-0.5**
LAB I.D.: 170608-35

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	106	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	44.1	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	--	500	5.0	7196A
Cobalt(Co)	16.1	1.0	10	8,000	80	6010B
Copper(Cu)	23.9	1.0	10	2,500	25	6010B
Lead(Pb)	7.95	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.087	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	50.7	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	72.5	5.0	10	2,400	24	6010B
Zinc(Zn)	80.9	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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SAMPLE I.D.: **SS-8-0.5**
LAB I.D.: 170608-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	6.31	0.3	10	500	5.0	6010B
Barium(Ba)	187	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	61.3 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	20.9	1.0	10	8,000	80	6010B
Copper(Cu)	41.8	1.0	10	2,500	25	6010B
Lead(Pb)	11.7	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.150	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	73.2	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	68.6	5.0	10	2,400	24	6010B
Zinc(Zn)	92.4	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLE I.D.: **SS-9-0.5**
LAB I.D.: 170608-37

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	231	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	50.8 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	--	500	5.0	7196A
Cobalt(Co)	31.3	1.0	10	8,000	80	6010B
Copper(Cu)	51.3	1.0	10	2,500	25	6010B
Lead(Pb)	6.15	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.068	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	98.2	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	88.2	5.0	10	2,400	24	6010B
Zinc(Zn)	63.8	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/09/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-10-0.5**
LAB I.D.: 170608-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	166	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	60.5 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	18.7	1.0	10	8,000	80	6010B
Copper(Cu)	28.8	1.0	10	2,500	25	6010B
Lead(Pb)	22.4	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.266	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	61.2	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	66.7	5.0	10	2,400	24	6010B
Zinc(Zn)	81.1	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

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

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/09/17
DATE REPORTED: 06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170608-29 THROUGH -38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.1	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 6/9/2017

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	170609-LCS	50.0	95	PASS	0	50.0	47.5	95%	47.8	96%	1%
Lead(Pb)	170609-LCS	50.0	104	PASS	0	50.0	53.4	107%	53.4	107%	0%
Nickel(Ni)	170609-LCS	50.0	105	PASS	0	50.0	47.8	96%	48.0	96%	0%

ANALYSIS DATE. : 6/9/2017

Analysis	Spk.Sample ID	170508-CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	170608-18	0.125	98	PASS	0	0.125	0.112	90%	0.106	85%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Nickel(Ni)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-1-0.5**
LAB I.D.: 170608-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE 2 -----

DATA REVIEWED AND APPROVED BY:

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
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(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
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DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-1-0.5**
LAB I.D.: 170608-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925) 673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-2-0.5**
LAB I.D.: 170608-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

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Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN
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DATE REPORTED:06/15/17

SAMPLE I.D.: **SS-2-0.5**
LAB I.D.: 170608-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE #

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Petaluma - Corona Station

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: SS-3-0.5
LAB I.D.: 170608-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/08/17
DATE ANALYZED:06/08/17
DATE REPORTED:06/15/17

SAMPLE I.D.: **SS-3-0.5**

LAB I.D.: 170608-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B,
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Petaluma - Corona Station

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: SS-4-0.5

LAB I.D.: 170608-32

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-4-0.5**
LAB I.D.: 170608-32

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Petaluma - Corona Station

MATRIX: SOIL
DATE SAMPLED: 06/06/17
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DATE RECEIVED: 06/08/17
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DATE REPORTED: 06/15/17

SAMPLE I.D.: SS-5-0.5

LAB I.D.: 170608-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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

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CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

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SAMPLE I.D.: **SS-5-0.5**
LAB I.D.: 170608-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK	ND	0.020
METHYL tert-BUTYL ETHER (MTBE	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-6-0.5**
LAB I.D.: 170608-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

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P.O. Box 904
Clayton, CA 94517
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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-6-0.5**

LAB I.D.: 170608-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL TERT-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-7-0.5**
LAB I.D.: 170608-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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

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SAMPLE I.D.: **SS-7-0.5**
LAB I.D.: 170608-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
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SAMPLE I.D.: **SS-8-0.5**
LAB I.D.: 170608-36

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-8-0.5**
LAB I.D.: 170608-36

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-9-0.5**

LAB I.D.: 170608-37

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: Pinnacle Environmental, Inc
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: Petaluma - Corona Station

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-9-0.5**

LAB I.D.: 170608-37

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK	ND	0.020
METHYL tert-BUTYL ETHER (MTBE	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma – Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-10-0.5**
LAB I.D.: 170608-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE 2 -----

DATA REVIEWED AND APPROVED BY:

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SAMPLE I.D.: **SS-10-0.5**
LAB I.D.: 170608-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN
DATE RECEIVED: 06/08/17
DATE ANALYZED: 06/08/17
DATE REPORTED: 06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170608-29 THROUGH -38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
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PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
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DATE REPORTED: 06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170608-29 THROUGH -38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8260B QA/QC Report

Date Analyzed: 6/8-9/2017 **Matrix:** Solid/Soil/Liquid
Machine: C **Unit:** ug/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170608-29 MS/MSD

Analyte	S.R	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.052	104%	0.052	104%	0%	75-125	0-20
Chlorobenzene	0	0.050	0.050	100%	0.051	102%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.050	100%	0.052	104%	4%	75-125	0-20
Toluene	0	0.050	0.051	102%	0.049	98%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.050	100%	0.051	102%	2%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.053	106%	75-125
Chlorobenzene	0.050	0.053	106%	75-125
Chloroform	0.050	0.051	102%	75-125
1,1-Dichlorothene	0.050	0.048	96%	75-125
Ethylbenzene	0.050	0.053	106%	75-125
o-Xylene	0.050	0.055	110%	75-125
m,p-Xylene	0.100	0.109	109%	75-125
Toluene	0.050	0.054	108%	75-125
1,1,1-Trichloroethane	0.050	0.060	120%	75-125
Trichloroethene (TCE)	0.050	0.050	100%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	170608-19	170608-20	170608-21	170608-22	170608-6	170608-29
Dibromofluoromethane	50.0	70-130	114%	111%	124%	110%	106%	96%	140*%
Toluene-d8	50.0	70-130	97%	98%	91%	96%	95%	96%	103%
4-Bromofluorobenzene	50.0	70-130	82%	84%	49*%	84%	81%	75%	75%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			170608-30	170608-31	170608-32	170608-33	170608-34	170608-35	170608-36
Dibromofluoromethane	50.0	70-130	125%	126%	123%	128%	127%	129%	130%
Toluene-d8	50.0	70-130	102%	96%	87%	74%	90%	90%	95%
4-Bromofluorobenzene	50.0	70-130	79%	64*%	58*%	51*%	62*%	57*%	70%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			70608-37	170608-38					
Dibromofluoromethane	50.0	70-130	135*%	110%					
Toluene-d8	50.0	70-130	103%	95%					
4-Bromofluorobenzene	50.0	70-130	80%	62*%					

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE EXTRACTED: 06/09/17
DATE ANALYZED: 06/09/17
DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-1-0.5**
LAB I.D.: 170608-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/08/17
DATE EXTRACTED:06/09/17
DATE ANALYZED:06/09/17
DATE REPORTED:06/15/17

SAMPLE I.D.: **SS-1-0.5** LAB I.D.: 170608-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

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P.O. Box 904
Clayton, CA 94517
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SAMPLE I.D.: **SS-2-0.5**
LAB I.D.: 170608-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

------ TO BE CONTINUED ON PAGE 2 ------

DATA REVIEWED AND APPROVED BY: _____

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SAMPLE I.D.: **SS-2-0.5**
LAB I.D.: 170608-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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SAMPLE I.D.: **SS-3-0.5**
LAB I.D.: 170608-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **SS-3-0.5**
LAB I.D.: 170608-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
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PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-4-0.5**

LAB I.D.: 170608-32

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

LABORATORY REPORT

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SAMPLE I.D.: **SS-4-0.5**
LAB I.D.: 170608-32

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
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PROJECT: **Petaluma - Corona Station**

MATRIX: SOIL
DATE SAMPLED: 06/06/17
REPORT TO: MR. PETER CLOVEN

DATE RECEIVED: 06/08/17
DATE EXTRACTED: 06/09/17
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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-5-0.5** LAB I.D.: 170608-33

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

TO BE CONTINUED ON PAGE #2

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SAMPLE I.D.: **SS-5-0.5**
LAB I.D.: 170608-33

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

LABORATORY REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/08/17
DATE EXTRACTED:06/09/17
DATE ANALYZED:06/09/17
DATE REPORTED:06/15/17

SAMPLE I.D.: **SS-6-0.5**
LAB I.D.: 170608-34

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

TO BE CONTINUED ON PAGE #2

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SAMPLE I.D.: **SS-6-0.5**
LAB I.D.: 170608-34

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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DATE REPORTED: 06/15/17

SAMPLE I.D.: **SS-7-0.5**
LAB I.D.: 170608-35

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

TO BE CONTINUED ON PAGE #2

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LAB I.D.: 170608-35

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
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SAMPLE I.D.: **SS-8-0.5**
LAB I.D.: 170608-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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

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SAMPLE I.D.: **SS-8-0.5**
LAB I.D.: 170608-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

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SAMPLE I.D.: **SS-9-0.5**
LAB I.D.: 170608-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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LAB I.D.: 170608-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
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CAL-DHS CERTIFICATE # 1555

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SAMPLE I.D.: **SS-10-0.5** LAB I.D.: 170608-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

TO BE CONTINUED ON PAGE #2

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SAMPLE I.D.: **SS-10-0.5**

LAB I.D.: 170608-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)Pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/08/17
DATE EXTRACTED:06/09/17
DATE ANALYZED:06/09/17
DATE REPORTED:06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170608-29 THROUGH -38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	0.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

TO BE CONTINUED ON PAGE #2

DATA REVIEWED AND APPROVED BY:

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

METHOD BLANK REPORT

CUSTOMER: **Pinnacle Environmental, Inc**
P.O. Box 904
Clayton, CA 94517
(925)673-5500 Email: pcloven@pei-env.com
PROJECT: **Petaluma - Corona Station**

MATRIX:SOIL
DATE SAMPLED:06/06/17
REPORT TO:MR. PETER CLOVEN

DATE RECEIVED:06/08/17
DATE EXTRACTED:06/09/17
DATE ANALYZED:06/09/17
DATE REPORTED:06/15/17

METHOD BLANK REPORT FOR LAB I.D.: 170608-29 THROUGH -38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/kg (PPM)

Date Analyzed: 6/9/2017

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

Spiked Sample Lab I.D.: **170608-30 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	1.61	**80%**	1.75	**87%**	**8%**	50-150	0-20
Pyrene	0.0	2.00	2.52	**126%**	2.19	**109%**	**14%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	2.04	102%	75-125
1,4-Dichlorobenzene	2.00	2.01	101%	75-125
2,4-Dichlorophenol	2.00	2.21	111%	75-125
Hexachlorobutadiene	2.00	2.30	115%	75-125
4-Chloro-3-methylpheno	2.00	2.20	110%	75-125
Fluoranthene	2.00	2.10	105%	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**170608-29**	**170608-30**	**170608-31**	**170608-32**	**170608-33**	**170608-34**
2-Fluorophenol	40	25-121	102%	95%	89%	85%	91%	95%	86%
Phenol-d5	40	24-113	100%	93%	86%	63%	78%	85%	73%
Nitrobenzene-d5	40	23-120	113%	105%	99%	89%	95%	103%	90%
2-Fluorobiphenyl	40	30-115	100%	97%	89%	118*%	96%	101%	93%
2,4,6-Tribromophenol	40	19-122	76%	82%	80%	90%	96%	111%	101%
Terphenyl-d14	40	18-137	125%	117%	106%	130%	199*%	214*%	220*%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**170608-35**	**170608-36**	**170608-37**	**170608-38**			
2-Fluorophenol	40	25-121	90%	82%	95%	82%			
Phenol-d5	40	24-113	83%	70%	93%	65%			
Nitrobenzene-d5	40	23-120	95%	83%	96%	84%			
2-Fluorobiphenyl	40	30-115	92%	92%	94%	106%			
2,4,6-Tribromophenol	40	19-122	101%	94%	99%	100%			
Terphenyl-d14	40	18-137	246*%	213*%	229*%	215*%			

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

** = Surrogate fail due to matrix interference*

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	VOCs/5035	TPH-d	CAM 17 metals	SVOCs/8270	COMMENTS
SS-1-0.5	190608-29	6/6	1205	Soil	1		No	X	X	X	X	
SS-2-0.5	-30		1205		1			X	X	X	X	
SS-3-0.5	-31		1212		1			X	X	X	X	
SS-4-0.5	-32		1216		1			X	X	X	X	
SS-5-0.5	-33		1220		1			X	X	X	X	
SS-6-0.5	-34		1223		1			X	X	X	X	
SS-7-0.5	-35		1226		1			X	X	X	X	
SS-8-0.5	-36		1231		1			X	X	X	X	
SS-9-0.5	-37		1200		1			X	X	X	X	
SS-10-0.5	-38		1152		1			X	X	X	X	

4.2

Analysis Required

Company Name: Pinnacle Environmental
Address: P.O. Box 904
City/State/Zip: Clayton, CA 94517
Project Contact: Peter Cloven
925-673-5500
email to francisbush@gmail.com
Sampler's Signature: [signature]
Project Name/ID: Petaluma – Corona Station

Relinquished by: [signature]	Received by: ONTRAC # D10011627720143	Date & Time: [illegible]
Relinquished by: Ontrac	Received by: [signature]	Date & Time: 6/7/17 1230
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 06/08/17

Page 1 of 1