



## Phase I Environmental Site Assessment & Vapor Encroachment Screening

Proposed Antioch Apartments Site  
Antioch, California

*prepared for*  
**AMCAL Multi-Housing, Inc.**  
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*prepared by*  
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**February 15, 2018**



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February 15, 2018  
Project 17-05135

Mr. Jay Ross  
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Via email: [Jay@AmcalHousing.com](mailto:Jay@AmcalHousing.com)

**Subject: Phase I Environmental Site Assessment & Vapor Encroachment Screening  
Proposed Antioch Apartments Site  
Assessor's Parcel Numbers (APNs) 051-200-025 and -026  
Antioch, California**

Dear Mr. Ross:

This report presents the findings of a Phase I Environmental Site Assessment (ESA) and Vapor Encroachment Screening (VES) completed by Rincon Consultants, Inc. for the Proposed Antioch Apartments Site in Antioch, California. The Phase I ESA and VES were performed in accordance with our proposal dated October 26, 2017.

The accompanying report presents our findings and provides an opinion regarding the presence of recognized environmental conditions. Our work program for this project, as referenced in our contract, is intended to meet the guidelines outlined in the American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: *Phase I Environmental Site Assessment Process* (ASTM Standard E-1527-13). Our scope of services, pursuant to ASTM practice, did not include any inquiries with respect to asbestos, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, vapor intrusion or other indoor air quality, mold, or high voltage power lines.

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

Sincerely,

**RINCON CONSULTANTS, INC.**

A handwritten signature in blue ink, appearing to read "Lauren Kodama Roenicke".

Lauren Kodama Roenicke  
Environmental Scientist

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

Walt Hamann, PG, CEG, CHG  
Vice President, Environmental Services

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## Executive Summary

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This report presents the findings of a Phase I Environmental Site Assessment (ESA) and Vapor Encroachment Screening (VES) for the Proposed Antioch Apartments Site located south of East 18<sup>th</sup> Street between Phillips Lane and California State Route 160 in Antioch, California (Figure 1, Vicinity Map). The Phase I ESA was performed for AMCAL Multi-Housing, Inc. (AMCAL) by Rincon Consultants, Inc. (Rincon). AMCAL has requested this assessment and will use the information for the purposes of purchasing the subject property. The subject property is currently vacant land.

Rincon performed a reconnaissance of the subject property on February 8, 2018. The purpose of the reconnaissance was to observe existing conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the subject property. The use, storage or disposal of hazardous materials on the subject property was not observed during the site reconnaissance. One pole-mounted transformer was observed along the eastern subject property boundary. No releases were observed in the vicinity of the transformer.

The subject property is located in an area that is primarily composed of residential, commercial and vacant land uses. Properties in the vicinity of the subject property include vacant land, commercial businesses, single-family residences, fast food restaurants and a church.

Environmental Data Resources, Inc. (EDR) was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and included data from surrounding sites within a specified radius of the property. The subject property and adjacent properties were not listed in any of the databases searched by EDR. Seven nearby properties with the potential to impact the subject property were identified in the EDR report. However, none of these sites were listed as release sites. Therefore, none of the nearby properties are expected to impact the subject property.

Historical sources reviewed as part of the Phase I ESA include aerial photographs, topographic maps and city directories. The historical resources reviewed indicate that the subject property was developed with orchards from at least 1937 to 1984, and the orchards appear to have been cleared by 1993. In addition, five structures and a disturbed area appear to be present on the northern portion of the subject property from approximately 1949 to 1979, five structures and disturbed areas or areas of debris/storage by 1982, six structures and areas of debris/storage by 1984, at least five structures, areas of debris/storage, and vehicles or trailers by 1993, and seven structures and cleared, vacant land by 1998. By 2006, the subject property appears to have been cleared and remained vacant to present day. The historical topographic maps reviewed depict the subject property as undeveloped land from 1907 to 1916, developed with orchards in 1953, developed with three buildings in 1968, and developed with two buildings in 1978. City directories provided by EDR for the subject property indicate that 3560 East 18<sup>th</sup> Street was residential from 1994 to 2005.

As part of the Phase I ESA, a Vapor Encroachment Screening (VES) was conducted. Based on the results of the VES, a vapor encroachment condition (VEC) does not exist. Therefore, no additional assessment is recommended.

Based on the findings of this Phase I ESA, it is our opinion that there are 3 potential Recognized Environmental Conditions (RECs) in connection with the subject property as follows:



## Potential Recognized Environmental Conditions

1. Former agricultural use of the subject property
2. Former disturbed areas and storage/debris areas on the subject property.
3. Reported presence of imported fill material to the subject property

To evaluate the potential impact associated with the former agricultural use of the subject property and reported presence of imported fill material, we recommend collecting shallow soil samples from the subject property and analyzing the samples for organochlorine pesticides (OCPs) and metals.

To evaluate the potential subject property impact associated with the former disturbed areas and storage/debris areas on the subject property, Rincon recommends collected shallow soil samples from the subject property and analyzing the samples for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), metals, OCPs and polychlorinated biphenyls.



# Introduction

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This report presents the findings of a Phase I ESA and VES conducted for the Proposed Antioch Apartments Site located south of East 18<sup>th</sup> Street between Phillips Lane and California State Route 160 in Antioch, California (Figure 1, Vicinity Map). The Phase I ESA and VES were performed by Rincon Consultants, Inc. (Rincon) for AMCAL Multi-Housing, Inc. (AMCAL) in general conformance with ASTM E 1527-13, our proposal dated October 26, 2017. The following sections present our findings and provide our opinion as to the presence of recognized environmental conditions on the subject property.

## Purpose

AMCAL has requested this assessment and will use the information for the purposes of purchasing the subject property. The purpose of this Phase I ESA was to determine if there are recognized environmental conditions on the subject property, taking into account commonly and reasonably ascertainable information and to qualify for Landowner Liability Protections under the Brownfields Amendments to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

A recognized environmental condition (REC) is defined pursuant to ASTM E 1527-13 as,

“the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; 3) under conditions that pose a material threat of a future release to the environment”.

A Controlled REC is defined pursuant to ASTM E 1527-13 as,

“a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report”.

A Historical REC is defined pursuant to ASTM E 1527-13 as,

“a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by regulatory authority, without subjecting the property to any required controls (for example, use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the



Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP [Environmental Professional] considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition”.

A *de minimis* condition is defined pursuant to ASTM E 1527-13 as,

“a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions”.

## Scope of Services

The scope of services conducted during this study is outlined below:

- Performed a reconnaissance of the subject property to identify obvious indicators of the existence of hazardous materials.
- Observed adjacent or nearby properties from public thoroughfares in an attempt to see if such properties are likely to use, store, generate, or dispose of hazardous materials.
- Obtained and reviewed an environmental records database search to obtain information about the potential for hazardous materials to exist at the subject property or at properties located in the vicinity of the subject property.
- Reviewed files for the subject property and immediately adjacent properties as identified in the database report, as applicable.
- Reviewed the current U.S. Geological Survey (USGS) topographic map to obtain information about the subject property and regional topography and uses of the subject property and surrounding sites.
- Reviewed additional pertinent record sources (e.g., California Division of Oil and Gas records, online databases of hazardous substance release sites), as necessary, to identify the presence of RECs at the subject property.
- Reviewed reasonably ascertainable historical resources (e.g., aerial photographs, topographic maps, fire insurance maps, city directories) to assess the historical land use of the subject property and adjacent properties.
- Provided a user interview questionnaire to a representative of the client, the user of the Phase I ESA.
- Provided a property owner interview questionnaire to the property owner or a designated subject property representative identified to Rincon by the client.
- Conducted interviews with other property representatives (e.g., key site manager, occupants), as applicable.
- Reviewed available client-provided information (e.g., previous environmental reports, title documentation).



## Significant Assumptions, Limitations, Deviations, Exceptions, Special Terms, and Conditions

This work is intended to adhere to good commercial, customary, and generally accepted environmental investigation practices for similar investigations conducted at this time and in this geographic area. No guarantee or warranties, expressed or implied are provided. The findings and opinions conveyed in this report are based on findings derived from a site reconnaissance, review of an environmental database report, specified regulatory records and historical sources, and comments made by interviewees. This report is not intended as a comprehensive site characterization and should not be construed as such. Standard data sources relied upon during the completion of Phase I ESAs may vary with regard to accuracy and completeness. Although Rincon believes the data sources are reasonably reliable, Rincon cannot and does not guarantee the authenticity or reliability of the data sources it has used. Additionally, pursuant to our contract, the data sources reviewed included only those that are practically reviewable without the need for extraordinary research.

Rincon has not found evidence that hazardous materials or petroleum products exist at the subject property at levels likely to warrant mitigation. Rincon does not under any circumstances warrant or guarantee that not finding evidence of hazardous materials or petroleum products means that hazardous materials or petroleum products do not exist on the subject property. Additional research, including surface or subsurface sampling and analysis, can reduce the client's risks, but no techniques commonly employed can eliminate these risks altogether.

In addition, pursuant to ASTM E 1527-13 practice, our scope of services did not include any inquiries with respect to asbestos containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to release of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, wetlands, or high voltage power lines.

## User Reliance

AMCAL has requested this assessment and will use the information for the purposes of purchasing or acquiring the subject property. This Phase I ESA was prepared for use solely and exclusively by AMCAL. No other use or disclosure is intended or authorized by Rincon. Also, this report is issued with the understanding that it is to be used only in its entirety. It is intended for use only by the client, and no other person or entity may rely upon the report without the express written consent of Rincon.

## Site Description

### Location

The subject property is a 14.99-acre parcel located south of East 18<sup>th</sup> Street between Phillips Lane and California State Route 160 in Antioch, California (Figure 2, Site Map). The property is identified as Assessor's Parcel Numbers (APNs) 051-200-025 and -026 and is identified as the following address: 3560 E. 18<sup>th</sup> Street.



## Subject Property and Vicinity General Characteristics

The subject property is currently vacant, undeveloped land.

The subject property is located in an area that is primarily composed of residential, commercial and vacant land uses. Properties in the vicinity of the subject property include vacant land, commercial businesses, single-family residences, fast food restaurants and a church. The current adjacent land uses are described in Table 1 and depicted on Figure 3, Adjacent Land Use Map.

**Table 1 Current Uses of Adjacent Properties**

Area	Use
Northern Properties	East 18 <sup>th</sup> Street followed by vacant land and a fast-food restaurant (northeast).
Eastern Properties	Holub Lane followed by single-family residences and vacant land.
Southern Properties	First Family Church.
Western Properties	Gotcha Bait & Tackle and single-family residences.

## Descriptions of Structures, Roads, Other Improvements on the Site

During the site reconnaissance, no structures, roads or other improvements were observed on the subject property.

Access to the subject property is available from a driveway on E 18<sup>th</sup> Street.

The following utility providers service the subject property area:

- Electrical and Natural Gas Service – Pacific Gas & Electric
- Water Service – City of Antioch
- Sewer – City of Antioch and Delta Diablo Sanitation
- Solid Waste – Republic Services



## User-Provided Information

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As described in ASTM E 1527-13 Section 6, AMCAL was interviewed for actual knowledge pertaining to the subject property to help identify recognized environmental conditions. Darin Hansen, Vice President with AMCAL, completed the User Questionnaire as provided by ASTM Appendix X3 on February 2, 2018, prior to completion of the site reconnaissance. A copy of the completed questionnaire is included as Appendix A.

Based on our review of the completed questionnaire, Mr. Hansen reviewed the following sources of information and is unaware of information regarding the following:

- Recorded land title records (or judicial records, where appropriate) that identify any environmental liens filed or recorded against the subject property
- Recorded land title records (or judicial records, where appropriate) that identify any activity and land use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the subject property under federal, tribal, state or local law
- Title Report that identifies information pertaining to environmental cleanup liens or AULs for the subject property

Based on our review of the completed questionnaire, Mr. Hansen is unaware of information regarding the following:

- Specialized knowledge or experience related to the subject property or nearby properties
- Commonly known or reasonably ascertainable information about the subject property that would help the environmental professional to identify conditions indicative of releases or threatened releases
- Obvious indicators that point to the presence or likely presence of releases at the subject property
- Pending, threatened, or past litigation relevant to hazardous substances or petroleum products, in, on, or from the subject property
- Pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property
- Notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products

Additionally, Mr. Hansen indicated that the purchase price being paid for the subject property reasonably reflects the fair market value of the property, and he is not aware of a reduction in value for the subject property relative to any known environmental issues.

The following documents regarding the subject property were provided by AMCAL:

- *Phase I ESA, Two Parcels (APN 051-200-026-6 and 051-200-025-8), East 18<sup>th</sup> Street, Antioch, California* prepared by LandAmerica Assessment Corporation and dated August 15, 2005 – The 2005 Phase I ESA report did not identify any evidence of RECs in connection with the subject property. No additional assessment was recommended.
- *Geotechnical Services Report, Proposed Commercial Development, East 18<sup>th</sup> Street and Holub Lane, Antioch, California* prepared by Kleinfelder and dated February 14, 2008 – This



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report included both the subject property and the property immediately adjacent to the northern portion of the subject property. A review of this report identified one to two feet of fill in borings on the adjacent property. No fill was noted on the subject property.

- *Updated Preliminary Report #2, APNs 051-200-025 and 051-200-026, Antioch, California* prepared by Commonwealth Land Title and dated January 26, 2018 – A review of this report identified the following easements on the subject property:
  - Easement for storm drain and sewer easement granted to GMK Almondridge Properties, LLC in 2005
  - Easement for storm drain granted to KB Home South Bay Inc. in 2006
  - Easement for installation, repair, maintenance and replacement of the storm drain and necessary access granted to City of Antioch in 2006



## Records Review

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### Physical Setting Sources

#### Topography

The current USGS topographic map (Antioch North Quadrangle, 2012) indicates that the subject property is situated at an elevation of about 40 feet above mean sea level with relatively flat topography. The topography in the surrounding area gradually slopes down to the northeast.

#### Geology and Hydrogeology

According to the 2008 Geotechnical Report, “the project site lies on the western edge of the Great Valley geomorphic province of California. The province is bordered to the north by the Cascade Range and Klamath Mountains; to the west by the structurally complex sedimentary and volcanic rock units of the Coast Ranges; to the east by the granitic and metamorphic basement rocks which form the gently sloping western foothills of the Sierra Nevada Mountains; and to the south by the east-west trending Transverse Ranges. About 65 kilometers long and 80 kilometers wide, the Great Valley is an asymmetrical, synclinal trough formed by tilting of the Sierran block during the late Tertiary and Quaternary periods with the western side dropping to form the valley and the eastern side uplifting to form the Sierra Nevada Mountains. Within the Great Valley, erosion of the adjacent Sierra Nevada Mountains and Coast Ranges has in-filled this valley with a thick sequence of unconsolidated to semi-consolidated Quaternary (Pleistocene and Holocene) age alluvial, basin, and delta plain sediments deposited by the Sacramento and San Joaquin rivers and their tributaries. The thickness of the valley sediments varies from a thin veneer at the edges of the valley to thousands of meters in the western portion. The bedrock complex is likely composed of metamorphosed marine sediments similar to those found in the foothills of the western Sierra Nevada Mountains and the core of the Coast Ranges.”

#### Site Geology

According to the 2008 Geotechnical Report, “the project site is situated on eolian sand deposits that likely accumulated during the last ice age approximately 18,000 years ago” and “the site is underlain at the surface by weakly consolidated early Holocent [sic] to late Pleistocene well sorted fine- to medium-grained eolian sand deposits.” The near surface soils at the subject property are reported to belong to the Delhi Sand soil series, described as “silty to well sorted (poorly graded), non-plastic sands.”

#### Regional Groundwater Occurrence and Quality

During the preparation of this Phase I ESA, we reviewed the California State Water Resources Control Board’s (SWRCB’s) online GeoTracker database to determine groundwater flow direction in the vicinity of the subject property:

- *2017 Annual Groundwater Monitoring and Remediation Report, Oakley Road Metering Station, Pacific Gas & Electric Company, Contra Costa County, California* prepared by ETIC and dated October 24, 2017 – According to this report, groundwater is historically encountered between



28 and 74 feet below ground surface (bgs) and flows to the north and north-northwest. This property is located approximately 810 feet southwest of the subject property.

## Standard Environmental Record Sources

EDR was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and included data from surrounding sites within specified radii of the property. A copy of the EDR report, which specifies the ASTM search distance for each public list, is included as Appendix B. As shown on the attached EDR report, federal, state and county lists were reviewed as part of the research effort. Please refer to Appendix B for a complete listing of sites reported by EDR and a description of the databases reviewed.

The Map Findings Summary, included in the EDR report, provides a summary of the databases searched, the number of reported facilities within the search radii, and whether the facility is located onsite or adjacent to the subject property. The following information is based on our review of the Map Findings Summary and the information contained in the EDR report.

### Subject Property

The subject property was not listed on any of the regulatory databases reviewed.

### Offsite Properties

Offsite properties listed by EDR fall under two general categories of databases: those reporting unauthorized releases of hazardous substances (e.g., LUST, National Priority List [a.k.a. Superfund sites], and corrective action facilities), and databases of businesses permitted to use hazardous materials or generate hazardous wastes, for which an unauthorized release has not been reported to a regulatory agency.

Rincon reviewed the EDR Radius Map and select detailed listings to evaluate their potential to impact the subject property, based on the following factors:

- Reported distance of the facility from the subject property
- The nature of the database on which the facility is listed, and/or whether the facility was listed on a database reporting unauthorized releases of hazardous materials, petroleum products, or hazardous wastes
- Reported case type (e.g., soil only, failed UST test only)
- Reported substance released (e.g., chlorinated solvents, gasoline, metals)
- Reported regulatory agency status (e.g., case closed, “no further action”)
- Location of the facility with respect to the reported groundwater flow direction (discussed in the Geology and Hydrogeology section of this report)

Facilities/properties that were interpreted by Rincon to be of potential environmental concern to the subject property, based on one or more of the factors listed above, are summarized in Table 2. In accordance with ASTM, contamination migration pathways in soil, groundwater, and soil vapor were considered in our analysis of offsite properties of potential environmental concern.



**Table 2 EDR Listing Summary of Select Sites Within One-Eighth Mile of the Subject Site**

Site Name	EDR Site ID	Site Address	Distance from Subject Property (miles)	Database Reference
<b>Nearby Properties</b>				
Magno Auto & Truck Repair	5	3420 E 18 <sup>th</sup> Street	Less than 1/8 mile – West	SL CONTRA COSTA
California Organics Inc.	B6	3305 E 18 <sup>th</sup> Street	Less than 1/8 mile – West Northwest	SL CONTRA COSTA
Carstens Paint & Body	B7	3295 E 18 <sup>th</sup> Street	Less than 1/8 mile – West Northwest	SL CONTRA COSTA, HAZNET
Reliable Mobile Automotive	B8	3291 E 18 <sup>th</sup> Street	Less than 1/8 mile – West Northwest	SL CONTRA COSTA
Om Numo Inc./VIP Carwash Detail Center/Bridgehead Plaza Beacon	C9-C11	3629 E 18 <sup>th</sup> Street	Less than 1/8 mile – East Northeast	EDR Historical Auto Station, SL CONTRA COSTA, UST
Stroer & Graff Inc.	12	1830 Phillips Lane	Less than 1/8 mile – West	SL CONTRA COSTA
KMART #4762	15	3625 E 18 <sup>th</sup> street	Less than 1/8 mile – Northeast	SL CONTRA COSTA

Regulatory agency information reviewed for the listings in the table above are summarized in the Additional Environmental Record Sources section of this report. The sites identified as A1-A4 in the EDR report were interpreted to be misplotted and located over 0.50 mile to the south of the subject property.

### Orphan Listings

EDR reported 1 orphan or unmapped site listing, which EDR is unable to plot due to insufficient address information. Based on Rincon’s review of the limited address information or site description for the orphan listing, the orphan listing is not expected to impact the subject property.

## Additional Environmental Record Sources

### Review of Agency Files

As a follow-up to the database search, Rincon reviewed regulatory information for facilities within the specified search radii that were interpreted to have the potential to impact the subject property, based on one or more factors previously discussed (e.g., distance, open case status, upgradient location, soil vapor migration).

The following is a summary of our review of regulatory information obtained from review of online sources (e.g., SWRCB GeoTracker database, DTSC EnviroStor database) and/or files requested from the applicable regulatory agency, as described below.



## Subject Property

The subject property was not listed in any of the databases searched by EDR.

## Adjacent Properties

Adjacent properties were not listed in any of the databases searched by EDR.

## Nearby Properties

Seven nearby properties were identified in the EDR database report.

- **Magno Auto & Truck Repair at 3420 E 18<sup>th</sup> Street:** This property is located approximately 125 feet to the west of the subject property and is listed on the SL CONTRA COSTA database. According to the EDR report, this property has historically generated between 0 and less than 5 tons of hazardous waste per year. No releases are reported. Therefore, based on the lack of reported releases and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.
- **California Organics Inc. at 3305 E 18<sup>th</sup> Street:** This property was formerly located approximately 500 feet to the west northwest of the subject property and is listed on the SL CONTRA COSTA database. No information regarding hazardous materials/waste was provided in the EDR report. No releases are reported. Therefore, based on the lack of reported releases and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.
- **Carstens Paint & Body at 3295 E 18<sup>th</sup> Street:** This property was formerly located in the Business Center approximately 800 feet to the west northwest of the subject property and is listed on the SL CONTRA COSTA and HAZNET databases. According to the EDR report, 4.06 tons of oxygenated solvents were disposed in 1993. No releases are reported. Based on the lack of reported releases and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.
- **Reliable Mobile Automotive at 3291 E 18<sup>th</sup> Street:** This property was formerly located in the Business Center approximately 800 feet to the west northwest of the subject property and is listed on the SL CONTRA COSTA database. According to the EDR report, this property has generated between 12 and 25 tons of hazardous waste per year. No releases are reported. Therefore, based on the lack of reported releases and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.
- **Om Numo Inc./VIP Carwash Detail Center/Bridgehead Plaza Beacon at 3629 E 18<sup>th</sup> Street:** This property is located approximately 410 feet to the east northeast of the subject property and is listed on the EDR Historical Auto Station, SL CONTRA COSTA and underground storage tank (UST) databases. According to the EDR report, Om Numo, Inc. (a gasoline service station) occupied the property from 2002 to 2009. In addition, VIP Carwash Detail Center is reported to generate less than 5 tons of hazardous waste per year. This property is also reported to contain a UST. No releases are reported. Therefore, based on the lack of reported releases, the distance from the subject property and the direction of



groundwater flow to the north and northwest (away and crossgradient to the subject property), this property is not expected to impact the subject property.

- **Stroer & Graff Inc. at 1830 Phillips Lane:** The exact location of this property is unknown. However, it is interpreted to be located approximately 690 feet to the west of the subject property and is listed on the SL CONTRA COSTA database. According to the EDR report, this property generates less than 5 tons of hazardous waste per year. No releases are reported. Therefore, based on the lack of reported releases, the distance from the subject property and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.
- **KMART #4762 at 3625 E 18<sup>th</sup> Street:** This property is located approximately 350 feet to the northeast of the subject property and is listed on the SL CONTRA COSTA database. According to the EDR report, this property generates less than 5 tons of hazardous waste per year. No releases are reported. Therefore, based on the lack of reported releases, the distance from the subject property and the direction of groundwater flow to the north and northwest (away from the subject property), this property is not expected to impact the subject property.

## Vapor Encroachment Screening

Rincon completed a Vapor Encroachment Screening (VES) for the subject property in accordance with ASTM E 2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. As described in ASTM E 2600-15, the goal of the VES is to identify if there are vapor encroachment conditions (VECs) in connection with the subject property. A VEC is defined as the presence or likely presence of contaminant of concern vapors in the vadose zone of the target property caused by the release of vapors from contaminated soil and/or groundwater either on or near the target property. A copy of the Vapor Encroachment Screening is included in Appendix D.

The VES is a tiered process composed of two tiers. A Tier 1 VES is designed to collect information regarding known or suspect contaminated properties in the Area of Concern. The Area of Concern is defined as a one-third mile radius around the subject property. If a VEC exists based on the Tier 1 VES, then a Tier 2 VES is warranted. A Tier 2 VES is designed to describe the characteristics of the contaminated plume(s) resulting from one or more contaminated properties within the Area of Concern.

Rincon conducted a Tier 1 VES evaluation, and based on the findings of the Tier 1 evaluation determined that a Tier 2 evaluation was not warranted.

**Tier 1 VES:** The basic information used to complete the Tier 1 VES evaluation was obtained during the preparation of this Phase I ESA and from the VES User Questionnaire. Phase I ESA data used in the Tier 1 VES evaluation included information contained in the database search, geology discussion, groundwater depth and flow direction discussion, information provided by property owner, manager, occupant, or client, and information pertaining to nearby sites that have known releases of chemicals of concern.

As described in ASTM E 2600-15, the conclusion of the VES includes one of the following:

1. A VEC exists
2. A VEC does not exist



Based on the results of the Tier 1 VES, a VEC does not exist.

## Review of State of California Division of Oil and Gas Records

A review of the Department of Conservation, Division of Oil, Gas & Geothermal Resources Online Mapping System indicates that no oil wells are located on the subject property or adjacent properties, or within one-quarter mile of the subject property.

## Review of National Pipeline Mapping System Records

In addition, a review of the National Pipeline Mapping System (NPMS) online Public Map Viewer<sup>1</sup> indicates that no gas transmission pipelines or hazardous liquid pipelines are located on the subject property or adjacent properties.

## Historical Use Information on the Property and the Adjoining Properties

The historical records review completed for this Phase I ESA includes aerial photographs, topographic maps, and city directories as detailed in the following sections. Copies of the historical resources reviewed are included in Appendix C. Table 3 provides a summary of the historical use information available for the subject property.

### Review of Historical Aerial Photographs

Aerial photographs from EDR's aerial photograph collection were obtained and reviewed. In addition, a current aerial from Google Earth was also reviewed.

### Review of Historical Topographic Maps

Historical topographic maps from EDR's map collection were obtained and reviewed.

### Review of City Directory Listings

EDR was contracted to provide copies of city directory listings for the subject property. As indicated in the attached report, no records were provided for the northern or southern adjacent properties.

### Review of Fire Insurance Maps

EDR was contracted to provide copies of fire insurance maps (i.e. Sanborns) for the subject property. As indicated in the attached report, fire insurance maps were not available for the subject property or adjacent properties.

### Review of City of Antioch Building Permit Records

Building permit records for the subject property were searched on the City of Antioch Building Division website. However, building permit records for the subject property were not available

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<sup>1</sup> <https://www.npms.phmsa.dot.gov/PublicViewer/>



online. Records were also requested from the City of Antioch, and Meghan Suba with the City indicated on February 9, 2018 that 3540 and 3560 East 18<sup>th</sup> Street, both associated with the subject property, formerly had residences that were demolished in at least 2006.

### Other Historical Sources

Based on the historical information obtained, no additional historical sources were reviewed.

### Summary of Historical Uses

#### Subject Property (3560 East 18<sup>th</sup> Street)

Based on our review of the historical aerial photographs, it appears that the subject property was developed with orchards from at least 1937 to 1984, and the orchards appear to have been cleared by 1993. In addition, five structures and a disturbed area appear to be present on the northern portion of the subject property from approximately 1949 to 1979, five structures and disturbed areas or areas of debris/storage by 1982, six structures and areas of debris/storage by 1984, at least five structures, areas of debris/storage, and vehicles or trailers by 1993, and seven structures and cleared, vacant land by 1998. By 2006, the subject property appears to have been cleared and remained vacant to present day. The historical topographic maps reviewed depict the subject property as undeveloped land from 1907 to 1916, developed with orchards in 1953, developed with three buildings in 1968, and developed with two buildings in 1978. City directories provided by EDR for the subject property indicate that 3560 East 18<sup>th</sup> Street was residential from 1994 to 2005.

**Table 3 Historical Use of the Subject Property**

Year	Use	Source
<b>Subject Property – Proposed Antioch Apartments Site (3560 East 18<sup>th</sup> Street)</b>		
1907	The subject property is depicted as undeveloped land.	Topographic Map (TM) – Antioch Quadrangle
1908	Similar to the 1907 TM.	TM – Antioch Quadrangle
1916	Similar to the 1908 TM.	TM – Antioch Quadrangle
1937	The subject property appears to be developed with orchards.	Aerial Photograph (AP) – USDA
1939	Similar to the 1937 AP.	AP – USDA
1949	The subject property appears to be developed with orchards, and five structures on the northern portion of the property.	AP – USGS
1950	Similar to the 1949 AP.	AP – USDA
1953	The subject property is depicted as developed with orchards.	TM – Antioch North Quadrangle
1958	Similar to the 1950 AP.	AP – USDA
1963	Similar to the 1958 AP.	AP - USGS
1966	Similar to the 1963 AP.	AP – USDA
1968	The subject property is depicted as developed with	TM – Antioch North



Year	Use	Source
	three buildings.	Quadrangle
1972	Similar to the 1966 AP.	AP – USDA
1978	The subject property is depicted as developed with two buildings.	TM – Antioch North Quadrangle
1979	Similar to the 1977 AP.	AP – USDA
1982	The subject property appears to be developed with orchards, and five structures and disturbed areas/ areas of debris on the northern portion of the property.	AP – USDA
1984	The subject property appears to be developed with orchards, and at least six structures and storage areas/ areas of debris on the northern portion of the property.	AP - USGS
1993	The orchards on the subject property appear to have been cleared, and at least five structures, debris, and vehicles or trailers appear to be present on the northern portion of the subject property.	AP – USGS/DOQQ
1994	3560 East 18 <sup>th</sup> Street: Residential.	City Directories (CD) – Haines Criss-Cross Directory
1998	The subject property appears to be developed with seven structures and cleared, vacant land.	AP – USDA
2000	3560 East 18 <sup>th</sup> Street: Residential.	CD – EDR Digital Archive
2005	3560 East 18 <sup>th</sup> Street: Residential.	CD – EDR Digital Archive
2006	The subject property appears to have been cleared and is vacant land.	AP – USDA/NAIP
2010	The subject property appears to be vacant land.	AP – USDA/NAIP
2012	No individual structures are depicted.	TM – Antioch North Quadrangle
2014	Similar to the 2010 AP.	AP – USDA/NAIP

### Northern Adjacent Property

Based on our review of the historical aerial photographs, it appears that the northern adjacent property across East 18<sup>th</sup> Street was developed with orchards from at least 1937 to 1949, was vacant land from approximately 1950 to 1966, was vacant land and developed with orchards from approximately 1972 to 1984, and was vacant land from approximately 1993 to present day. The historical topographic maps reviewed depict the northern adjacent property as undeveloped land from 1907 to 1916, developed with orchards/vineyards in 1953, and as undeveloped land in 1968 and 1978. City directories were not provided by EDR for the northern adjacent property.



### **Eastern Adjacent Properties (1841 Holub Lane)**

Based on our review of the historical aerial photographs, it appears that the eastern adjacent properties were developed with orchards and at least two structures from at least 1937 to 1972, partially developed with orchards and at least three structures and vacant land from approximately 1979 to 1984, and was developed with four structures, vehicle/trailer storage areas, and vacant land from approximately 1993 to present day. The historical topographic maps reviewed depict the eastern adjacent properties as undeveloped land from 1907 to 1916, developed with orchards in 1953, and as undeveloped land in 1968 and 1978. City directories provided by EDR for the eastern adjacent properties indicate that 1841 Holub Lane was residential from 2000 to 2014.

### **Southern Adjacent Property (3415 Oakley Road)**

Based on our review of the historical aerial photographs, it appears that the southern adjacent property was developed with orchards and at least three structures from approximately 1937 to 1984, developed with at least three structures and vacant land from approximately 1993 to 1998, and was developed with one building (existing church) from approximately 2006 to present day. The historical topographic maps reviewed depict the southern adjacent property as undeveloped land from 1896 to 1898, developed with orchards in 1908, undeveloped land in 1916, developed with orchards in 1943, developed with orchards/vineyards in 1953, undeveloped land in 1968, developed with orchards/vineyards in 1973, and undeveloped land in 1978. City directories were not provided by EDR for the southern adjacent property.

### **Western Adjacent Properties (3500 East 18<sup>th</sup> Street)**

Based on our review of the historical aerial photographs, it appears that the western adjacent properties were developed with orchards and at least three structures from at least 1937 to 1972, partially developed with orchards, at least three structures, and vacant land from approximately 1979 to 1998, were developed with three structures, vehicle storage areas, and vacant land from approximately 2006 to 2010, were developed with three structures, vehicle storage areas, and streets and undeveloped residential lots by 2014, and were developed with three structures, vehicle storage areas, and multiple residential buildings by present day. The historical topographic maps reviewed depict the western adjacent properties as undeveloped land from 1907 to 1916, developed with five buildings and woodland or agriculture in 1953, developed with 16 buildings in 1968, and developed with eight buildings in 1978. City directories provided by EDR for the western adjacent properties indicate that 3500 East 18<sup>th</sup> Street was a bait and tackle store from 1994 to 2014.

### **Gaps in Historical Sources**

Several gaps of greater than five years were identified in the historical records reviewed, from 1908 to 1916, 1916 to 1937, 1939 to 1949, 1958 to 1963, 1972 to 1978, and 1984 to 1993. These gaps are considered insignificant because the subject property use appears to be similar prior to and following the gaps.



## Interviews

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Rincon Consultants performed interviews regarding the subject property and surrounding areas. The purpose of the interviews was to discuss current and historical conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the subject property.

### Interview with Owner

An interview questionnaire was provided to the property owner, prior to the site reconnaissance. The questionnaire was completed by Brent Aasen, on behalf of the owner entities. A copy of the completed questionnaire is included in Appendix A. The following information is based on our review of the completed questionnaire.

The following entities own the subject property:

- West End Properties, L.P., a California limited partnership, as to an undivided 16.836853% interest;
- Philip R. Bates and Kathryn A. Bates, Trustees of the Bates Family Trust, UTA dated July 15, 1998, as to an undivided 11.112709% interest;
- Bates Family Limited Partnership, a California limited partnership, as to an undivided 5.724143% interest;
- John Hauck and Kristen Hauck, Trustees of the Hauck Family Revocable Trust, dated July 30, 1998, as to an undivided 16.836851% interest;
- ROMARCO #5, L.P., a California limited partnership, as to an undivided 18.999440% interest;
- ROMARCO #6, L.P., a California limited partnership, as to an undivided 18.999440% interest;
- Brent Aasen and Theresa Aasen, Trustees of the Aasen Family Trust, as to an undivided 11.490564% interest

Mr. Aasen indicated the following:

- Current ownership began in 2016.
- The previous owner of the subject property was Bastogne Realty Investments, Inc.
- The subject property was formerly used as an orchard.
- The subject property is currently vacant land.
- The northern adjacent property is vacant land and occupied by general retail stores and a towing and junkyard.
- The eastern adjacent property is developed with houses, garages and sheds.
- The southern adjacent property is developed with houses and a church.
- The western adjacent property is developed with houses, automotive repair and a general fishing retail store.
- The northern, southern and western properties were formerly used for agricultural purposes.
- The eastern adjacent properties were formerly used for residential purposes.



- KB Homes had a small quantity of fill from an adjacent subdivision placed on the subject property. The fill was then spread and compacted.
- A transformer was formerly located on the subject property.

Mr. Aasen indicated that he is unaware of the presence of industrial drums, storage tanks (above or below ground), pits, ponds, lagoons, sumps, clarifiers, solvent degreasers, stained soil, vent pipes, fill pipes, or access ways, stained surfaces, records indicating the presence of PCBs, or records indicating the presence of pesticides or herbicides.

Mr. Aasen indicated that he is not aware of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property. In addition, he is not aware of any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

Rincon attempted to contact Mr. Aasen via telephone on February 13, 2018 to obtain further information regarding the origin of the imported fill. As of the date of this report, a response has not been received. However, based on the fact that KB Homes is a residential developer, it is interpreted that the import fill may have been generated from the western adjacent property.

## Interview with Site Manager

A site manager was not identified to Rincon.

## Interviews with Occupants

Because the subject property is currently vacant land, no occupants were interviewed as part of this research effort.

## Interviews with Local Government Officials

Rincon contacted Meghan Suba with the City of Antioch Building Department. Ms. Suba indicated on February 9, 2018 that 3540 and 3560 East 18<sup>th</sup> Street, both associated with the subject property, formerly had residences that were demolished in at least 2006.

## Interviews with Others

Rincon did not attempt to interview neighboring property owners or others as part of this Phase I ESA.



## Site Reconnaissance

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Rincon Consultants performed a reconnaissance of the subject property on February 8, 2018. The purpose of the reconnaissance was to observe existing subject property conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the property.

### Methodology and Limiting Conditions

The site reconnaissance was conducted by:

1. Observing the subject property from public thoroughfares,
2. Observing the adjacent properties from public thoroughfares, and
3. Observing the subject property from driveways, roads, and walking paths/sidewalks.

### Current Use of the Property and Adjacent Properties

The subject property is currently vacant land. Adjacent properties include retail stores, vacant land, a fast-food restaurant and single-family residences.

### Past Use of the Property and Adjacent Properties

Based on our site reconnaissance, past uses at the subject property and adjacent properties are not readily apparent.

### Current or Past Uses in the Surrounding Areas

The subject property is surrounded by residential, commercial and vacant land uses as detailed in the Site Description section of this report. Past uses of the surrounding area are not readily apparent based on the site reconnaissance.

### Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions

Geologic, hydrogeologic, hydrologic, and topographic information are as previously stated in the Physical Settings Section of this report.

### General Description of Structures

The subject property is vacant land. There are no onsite structures.



## Observations

### Hazardous Substances and Petroleum Products

No hazardous substances or petroleum products were identified at the subject property.

### Storage Tanks

During the site reconnaissance, no above- or below-ground storage tanks or evidence of underground storage tanks were observed on the subject property.

### Odors

During the site reconnaissance, Rincon did not identify any strong, pungent, or noxious odors.

### Drums

During the site reconnaissance, no drums were observed on the subject property.

### Unidentified Substance Containers

No unidentified substance containers or unidentified containers that might contain hazardous substances were observed during the site reconnaissance.

### Indications of Polychlorinated Biphenyls (PCBs)

During the site reconnaissance, Rincon observed a pole-mounted transformer along the eastern boundary of the subject property. No indication of a release in the vicinity of the transformer was observed.

### Other Conditions of Concern

During the site reconnaissance Rincon did not note any of the following:

- Stains or corrosion
- Clarifiers and sumps
- Degreasers/parts washers
- Pits, ponds, and lagoons
- Stained soil or stained pavement
- Stressed vegetation
- Solid waste/debris
- Waste water
- Wells
- Septic systems/effluent disposal system



# Evaluation

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## Findings

Known or suspect recognized environmental conditions associated with the subject property include the following:

- Former agricultural use of the subject property
- Former structures on the subject property
- Former disturbed areas and storage/debris areas on the subject property
- Reported presence of imported fill material to the subject property

## Opinions

- A. **Former agricultural use of the subject property.** According to the historical resources reviewed, the subject property was formerly developed with orchards from at least 1937 to 1984. Agriculture is typically associated with the use of pesticides and arsenic. Therefore, the former agricultural use of the subject property is considered a potential REC.
- B. **Former structures on the subject property.** According to the historical resources reviewed, at least five to seven structures were formerly located on the northern portion of the subject property from at least 1949 to 1998, and were cleared by 2006. Since 2006, it appears that the subject property was graded. Therefore, it is likely that any lead and asbestos in surface soil from the former structures would have been mixed and as a result, diluted. Therefore, the former structures on the subject property are considered *de minimis*.
- C. **Former disturbed areas and storage/debris areas on the subject property.** According to the historical aerial photographs reviewed, disturbed areas and storage/debris areas appear to be located on the northern portion of the subject property from at least 1982 to 1993. The subject property was cleared by 2006. However, based on the former use of the subject property as a storage/debris area, and the unknown contents potentially stored onsite, the former disturbed areas and storage/debris areas on the subject property are considered a potential REC.
- D. **Reported presence of imported fill material to the subject property.** According to the property owner representative, a small amount of fill dirt was imported to the subject property by KB Homes from an adjacent subdivision. The fill dirt was then reported to have been spread around the subject property and compacted. Based on the fact that KB Homes is a residential developer, it is interpreted that the import site was likely the western adjacent property (developed with a residential development between 2007 and 2017). According to the historical resources reviewed, the western adjacent property was used for agricultural purposes from 1937 to 1998. Therefore, the western adjacent soil has the potential to be impacted with organochlorine pesticides (OCPs) and metals, and the reported imported fill material on the subject property is considered a potential REC.



## Conclusions

Rincon has performed a Phase I ESA in general conformance with the scope and limitations of ASTM E 1527-13 for the Proposed Antioch Apartments Site in Antioch, California. Any exceptions to, or deletions from, this practice are described in the Deviations section of this report. This assessment has revealed evidence of two potential RECs in connection with the subject property as follows:

### Potential Recognized Environmental Conditions

1. Former agricultural use of the subject property
2. Former disturbed areas and storage/debris areas on the subject property.
3. Reported presence of imported fill material to the subject property

## Recommendations

To evaluate the potential impact associated with the former agricultural use of the subject property and reported presence of imported fill material, we recommend collecting shallow soil samples from the subject property and analyzing the samples for organochlorine pesticides (OCPs) and metals.

To evaluate the potential subject property impact associated with the former disturbed areas and storage/debris areas on the subject property, Rincon recommends collected shallow soil samples from the subject property and analyzing the samples for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), metals, OCPs and polychlorinated biphenyls.

## Deviations

Deviations from ASTM E 1527-13 practice were not encountered during the completion of this Phase I ESA. In addition, a lien search and chain of title review were not conducted.



## References

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

### **City Directory Listings**

Listings provided by Environmental Data Resources (EDR).

### **Environmental Database**

EDR report dated January 31, 2018.

### **Geology**

*Geotechnical Services Report, Proposed Commercial Development, East 18<sup>th</sup> Street and Holub Lane, Antioch, California*, Kleinfelder, February 14, 2008.

### **Groundwater**

RWQCB online database (GeoTracker). Accessed February 5, 2018.

### **Historical Aerial Photographs**

Photos provided by EDR and Google Earth.

### **Historical Topographic Maps**

Maps provided by EDR.

### **Oil and Gas Records**

State of California, Division of Oil, Gas and Geothermal Resources website:  
<http://www.consrv.ca.gov/DOG/index.htm>. Accessed February 5, 2018.

### **Pipelines**

National Pipeline Mapping System (NMPS) Public Map Viewer,  
<https://www.npms.phmsa.dot.gov/PublicViewer/>. Accessed February 5, 2018.

### **Title Report**

*Updated Preliminary Report #2, APNs 051-200-025 and 051-200-026, Antioch, California*, Commonwealth Land Title, January 26, 2018

### **Topography**

USGS topographic map (2012, Antioch North Quadrangle).

### **Other**

Department of Toxic Substances Control online EnviroStor database:  
<http://www.envirostor.dtsc.ca.gov/public/>. Accessed February 5, 2018.

*Phase I ESA, Two Parcels (APN 051-200-026-6 and 051-200-025-8), East 18<sup>th</sup> Street, Antioch, California*, LandAmerica Assessment Corporation, August 15, 2005

*Geotechnical Services Report, Proposed Commercial Development, East 18<sup>th</sup> Street and Holub Lane, Antioch, California*, Kleinfelder, February 14, 2008



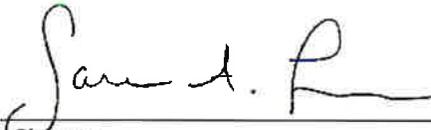
## Signatures of Environmental Professionals

The qualified environmental professionals that are responsible for preparing the report include Walt Hamann, Sarah Larese and Lauren Kodama Roenicke. Their qualifications are summarized in the following section.

“We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

  
\_\_\_\_\_  
Signature  
Walt Hamann, PG, CEG, CHG  
\_\_\_\_\_  
Name

February 15, 2018  
\_\_\_\_\_  
Date  
Vice President  
\_\_\_\_\_  
Title

  
\_\_\_\_\_  
Signature  
Sarah A. Larese  
\_\_\_\_\_  
Name

February 15, 2018  
\_\_\_\_\_  
Date  
Senior Environmental Scientist  
\_\_\_\_\_  
Title

  
\_\_\_\_\_  
Signature  
Lauren Kodama Roenicke  
\_\_\_\_\_  
Name

February 15, 2018  
\_\_\_\_\_  
Date  
Environmental Scientist  
\_\_\_\_\_  
Title



## Qualifications of Environmental Consultants

The environmental consultants responsible for conducting this Phase I ESA and preparing the report include Walt Hamann, Sarah Larese, Lauren Kodama Roenicke and Alex Cruz. Their qualifications are summarized below.

Environmental Consultant Qualifications	X2.1.1 (2) (i) - Professional Engineer or Professional Geologist License or Registration, and 3 years of full-time relevant experience	X2.1.1 (2) (ii) - Licensed or certified by the Federal Government, State, Tribe, or U.S. Territory to perform environmental inquiries	X2.1.1 (2) (iii) – Baccalaureate or Higher Degree from and accredited institution of higher education in a discipline of engineering or science and the equivalent of 5 years of full-time relevant experience	X2.1.1 (2) (iii) – Equivalent of 10 years of full-time relevant experience
Walt Hamann	PG, CHG, CEG		MS Geology	30 years
Sarah Larese			BA Environmental Studies	18 years
Lauren Kodama Roenicke			BS Environmental Studies	5 years
Alex Cruz	GIT		BS Geological Sciences	4.5 years

**Walt Hamann**, PG, CEG, CHG, is a Principal and Senior Geologist with Rincon Consultants. He holds a Bachelor of Arts degree in geology from the University of California, Santa Barbara and a Master of Science degree in geology from the University of California, Los Angeles. He has over 30 years of experience conducting assessment and remediation projects and has prepared or overseen the preparation of hundreds of Phase I and Phase II Environmental Site Assessments throughout California. Mr. Hamann is a Professional Geologist (#4742), Certified Engineering Geologist (#1635), and Certified Hydrogeologist (#208) with the State of California.

**Sarah A. Larese** is a Senior Environmental Scientist with Rincon Consultants. She holds a Bachelor of Science degree in environmental studies from the University of California, Santa Barbara, California. Ms. Larese has experience in development, implementation and project management of environmental assessment and remediation projects, especially relating to underground storage tanks. Ms. Larese’s responsibilities at Rincon include implementation of Phase I and II Environmental Site Assessments as well as conducting site remediation field activities and preparation of environmental reports. She has 18 years of experience conducting research, assessment and remediation projects.

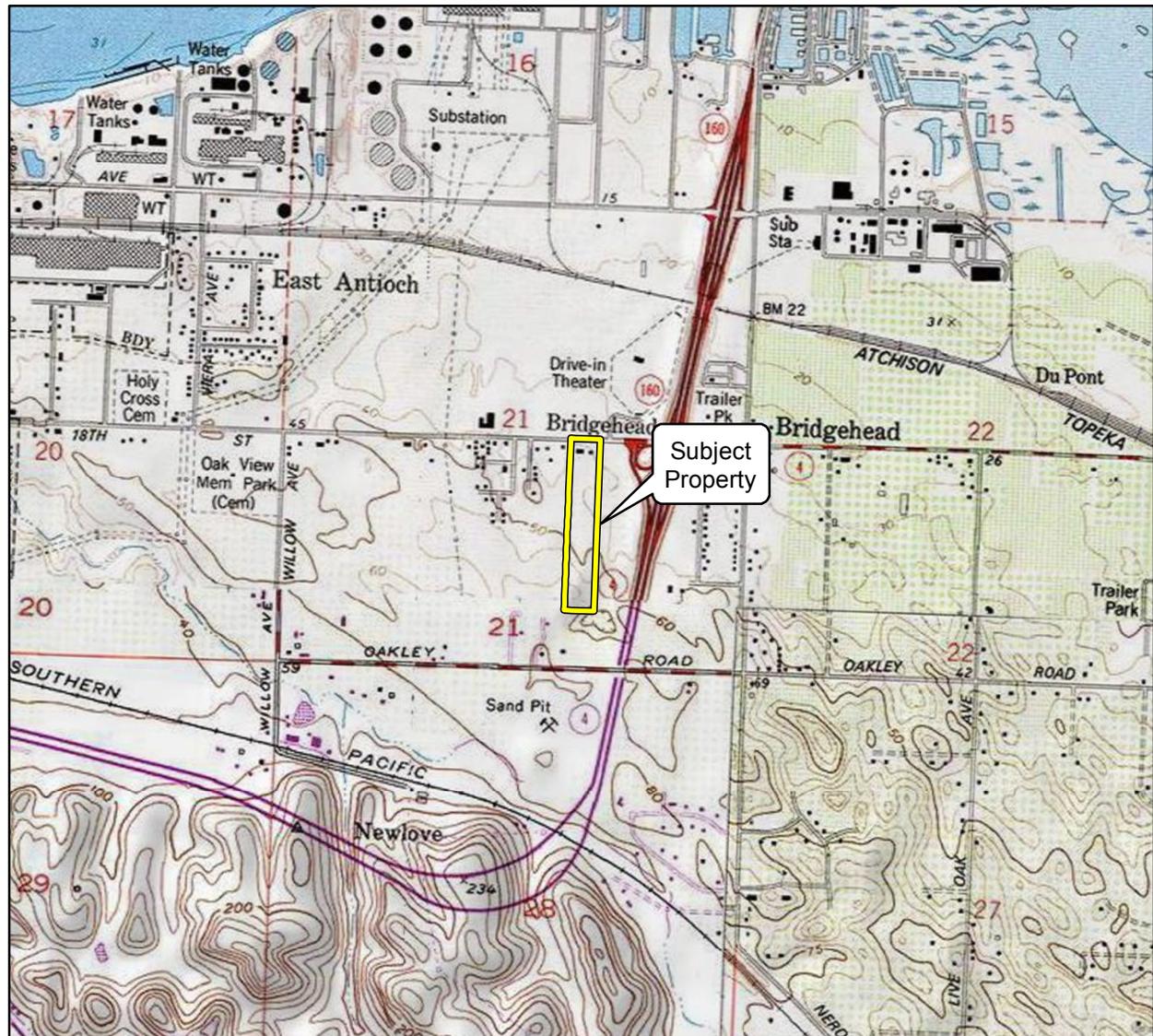
**Lauren G. Kodama Roenicke** is an Environmental Scientist with Rincon Consultants. She holds a Bachelor of Science degree in Environmental Studies with an outside concentration of Ecology, Evolution, and Marine Biology from the University of California, Santa Barbara. Ms. Roenicke has experience working on Phase I Environmental Site Assessments for a variety of commercial, rural, and industrial properties. In addition, Ms. Roenicke has been involved in working on large scale, multi-site projects for developers, banks, regulatory agencies, and other public and private Clients. Ms. Roenicke’s responsibilities at Rincon include implementation of Phase I and Phase II Environmental Site Assessment Reports, which involve soil, groundwater, and soil vapor assessments.



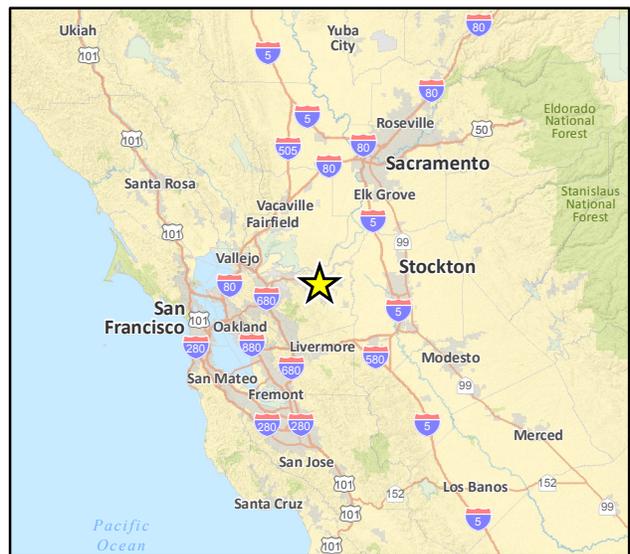
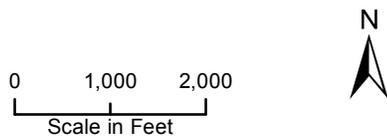
**Alex Cruz** is an Environmental Scientist with Rincon Consultants, and is a member of the Environmental Site Assessment group. He has experience working on remediation projects ranging from supervising excavation projects, maintaining catalytic oxidizer systems, overseeing underground storage tank removals, monitoring well installation and abandonments, and groundwater monitoring. He was worked on dry cleaning sites, automotive repair sites, leaking underground storage tank projects, and electro-plating facilities. His experience also includes geotechnical studies of hill slopes and seismic hazard investigations. His duties at Rincon include supporting Phase I site assessments, conducting and writing Phase II investigations, air, groundwater, and soil sampling, data analysis, and engaging with clients and regulatory agencies.



Proposed Antioch Apartments Site, Antioch, California  
**Phase I Environmental Site Assessment and Vapor Encroachment Screening**

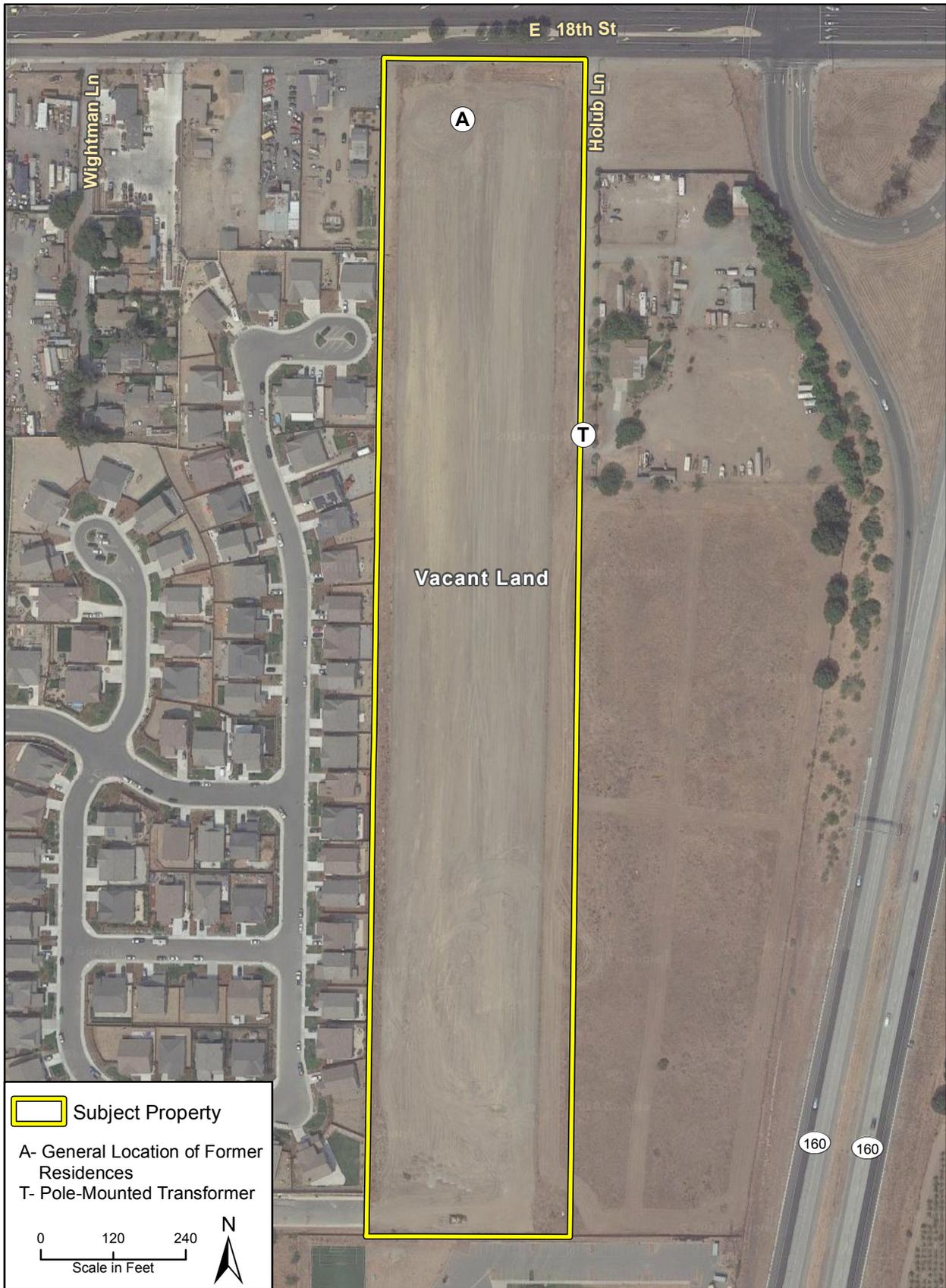


Imagery provided by National Geographic Society, ESRI and its licensors © 2018. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Vicinity Map

Figure 1



Imagery provided by Google and its licensors © 2018.

Site Map

Figure 2



Imagery provided by Google and its licensors © 2018.

Adjacent Land Use Map

Figure 3

Proposed Antioch Apartments Site, Antioch, California  
Phase I Environmental Site Assessment and Vapor Encroachment Screening



**Photograph 1.** View of the northwest corner of the subject property, facing southeast.



**Photograph 2.** View of the subject property followed by the eastern adjacent property, facing east.



**Photograph 3.** View of the northeastern adjacent property, across E. 18<sup>th</sup> Street, facing northeast.



**Photograph 4.** View of the eastern subject property boundary, facing south.



**Photograph 5.** View of the utility vaults along the northern boundary of subject property.



**Photograph 6.** View of the entry gate to the subject property, located on the northern boundary of the subject property, facing south.



Proposed Antioch Apartments Site, Antioch, California  
Phase I Environmental Site Assessment and Vapor Encroachment Screening



**Photograph 7.** View of the northern adjacent property, across E. 18<sup>th</sup> Street, facing north.



**Photograph 8.** View of the western adjacent property, facing southwest.



**Photograph 9.** View of the storm drain vaults along subject property's western property line, facing south.



**Photograph 10.** View of the subject property followed by the western adjacent residential development, facing west.



**Photograph 11.** View of the southern adjacent property, facing south.



**Photograph 12.** View of the eastern boundary of the subject property, facing north.



# Appendix A

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Interview Documentation

**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

This questionnaire should be completed by the current property owner or a designated representative of the current property owner. We respectfully request that you fill out and return this form (via email **Sarah Larese** at **Slarese@rinconconsultants.com** or fax **805-586-3209**) to us within one week from the date of this transmittal.

1)	<p><b>Was the subject property or any adjoining property ever used as:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> a gasoline or other fueling station</li> <li><input type="checkbox"/> a motor vehicle repair facility</li> <li><input type="checkbox"/> a commercial printing facility</li> <li><input type="checkbox"/> a dry cleaners</li> <li><input type="checkbox"/> a photo developing laboratory</li> <li><input type="checkbox"/> a metal plating facility</li> <li><input checked="" type="checkbox"/> a farm <b>ORCHARD</b></li> </ul> <p>(please check all that apply and describe)</p>	<p><b>ever used as:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> a junkyard or landfill</li> <li><input type="checkbox"/> a waste treatment, storage, disposal, processing or recycling facility</li> <li><input type="checkbox"/> a machine shop</li> <li><input type="checkbox"/> a manufacturing facility</li> <li><input type="checkbox"/> an oil production facility (including oil wells)</li> <li><input type="checkbox"/> any other industrial use</li> </ul>
2)	<p><b>Please describe the current land uses of the subject property and those surrounding your property. Please indicate all businesses/companies located on property.</b></p>	
2a	<p><b>Current use of Subject Property</b> (please check all that apply)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Commercial (retail, offices, etc.)</li> <li><input type="checkbox"/> Residential (single family or apartments)</li> <li><input type="checkbox"/> Industrial (manufacturing, warehousing, processing)</li> <li><input checked="" type="checkbox"/> Vacant</li> </ul>	Undeveloped.
2b	<p><b>Current use of Northern Adjoining Properties</b> (please check all that apply)</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Commercial (retail, offices, etc.)</li> <li><input type="checkbox"/> Residential (single family or apartments)</li> <li><input checked="" type="checkbox"/> Industrial (manufacturing, warehousing, processing)</li> <li><input checked="" type="checkbox"/> Vacant</li> </ul>	Vacant directly north across the street General retail (merchandise, restaurant, auto parts) Towing and junkyard
2c	<p><b>Current use of Southern Adjoining Properties</b> (please check all that apply)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Commercial (retail, offices, etc.)</li> <li><input checked="" type="checkbox"/> Residential (single family)</li> <li><input type="checkbox"/> Industrial (manufacturing, warehousing, processing)</li> <li><input checked="" type="checkbox"/> Institutional</li> </ul>	Houses Church
2d	<p><b>Current use of Western Adjoining Properties</b> (please check all that apply)</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Commercial (retail, offices, etc.)</li> <li><input checked="" type="checkbox"/> Residential (single family)</li> <li><input checked="" type="checkbox"/> Industrial (manufacturing, warehousing, processing)</li> <li><input type="checkbox"/> Other-Please Describe</li> </ul>	Houses Car repair Fishing, general retail
2e	<p><b>Current use of Eastern Adjoining Properties</b> (please check all that apply)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Commercial (retail, offices, etc.)</li> <li><input checked="" type="checkbox"/> Residential (single family)</li> <li><input type="checkbox"/> Industrial (manufacturing, warehousing, processing)</li> <li><input type="checkbox"/> Other-Please Describe</li> </ul>	Houses with garages and sheds.

**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

<b>3)</b>	<b>Please describe the previous land uses of your property and those surrounding your property. Include property ownership and dates of operation if known.</b>	
<b>3a</b>	<b>Previous use of Subject Property</b> (please check all that apply) <input type="checkbox"/> Commercial (retail, offices, etc.) <input type="checkbox"/> Residential (single family or apartments) <input type="checkbox"/> Industrial (manufacturing, warehousing, processing) <input checked="" type="checkbox"/> Agriculture	Orchard
<b>3b</b>	<b>Previous use of Northern Adjoining Properties</b> (please check all that apply) <input type="checkbox"/> Commercial (retail, offices, etc.) <input type="checkbox"/> Residential (single family or apartments) <input type="checkbox"/> Industrial (manufacturing, warehousing, processing) <input checked="" type="checkbox"/> Agriculture	(please include a brief description of previous operations)
<b>3c</b>	<b>Previous use of Southern Adjoining Properties</b> (please check all that apply) <input type="checkbox"/> Commercial (retail, offices, etc.) <input type="checkbox"/> Residential (single family or apartments) <input type="checkbox"/> Industrial (manufacturing, warehousing, processing) <input checked="" type="checkbox"/> Agriculture	(please include a brief description of previous operations)
<b>3d</b>	<b>Previous use of Western Adjoining Properties</b> (please check all that apply) <input type="checkbox"/> Commercial (retail, offices, etc.) <input type="checkbox"/> Residential (single family or apartments) <input type="checkbox"/> Industrial (manufacturing, warehousing, processing) <input checked="" type="checkbox"/> Agriculture	(please include a brief description of previous operations)
<b>3e</b>	<b>Previous use of Eastern Adjoining Properties</b> (please check all that apply) <input type="checkbox"/> Commercial (retail, offices, etc.) <input checked="" type="checkbox"/> Residential (single family) <input type="checkbox"/> Industrial (manufacturing, warehousing, processing) <input type="checkbox"/> Other-Please Describe	House and sheds

<b>4)</b>	<b>Who is the current owner of the property?</b>	West End Properties, L.P., a California limited partnership, as to an undivided 16.836853% interest; and Philip R. Bates and Kathryn A. Bates, Trustees of the Bates Family Trust, UTA dated July 15, 1998, as to an undivided 11.112709% interest; and Bates Family Limited Partnership, a California limited partnership, as to an undivided 5.724143% interest; and John Hauck and Kristen Hauck, Trustees of the Hauck Family Revocable Trust, dated July 30, 1998, as to an undivided 16.836851% interest; and ROMARCO #5, L.P., a California limited partnership, as to an undivided 18.999440% interest; and ROMARCO #6, L.P., a California limited partnership, as to an undivided 18.999440% interest; and Brent Aasen and Theresa Aasen, Trustees of the Aasen Family Trust, as to an undivided 11.490564% interest  Brent Aasen
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<b>5)</b>	<b>When did current ownership begin?</b>	2016 (parcel -025), 2016 (parcel -026)
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<b>6)</b>	<b>What is the age of the on-site facility?</b>	N/A vacant
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<b>7)</b>	<b>Who is the previous owner of the property?</b>	Bastogne Realty Investments, ETC.
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**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

8)	<b>Please indicate the property's current</b>	
	electrical service provider – PGE	
	water service provider – City of Antioch	
	natural gas service provider - PGE	
	sewer service provider - City of Antioch and Delta Diablo Sanitation	
	solid waste hauler – Republic Services	

9)	<b>To the best of your knowledge, has your facility previously or does your facility currently store or use any of the following in individual containers larger than 5 gallons in volume or 50 gallons in the aggregate? (if yes or unknown, include how many, type, and size)</b>	
	<input type="checkbox"/>	<i>Damaged or discarded automotive or industrial batteries</i>
	<input type="checkbox"/>	<i>Pesticides</i>
	<input type="checkbox"/>	<i>Paints</i>
	<input type="checkbox"/>	<i>Oils or solvents</i>
	<input type="checkbox"/>	<i>Motor vehicle fuel</i>
	<input type="checkbox"/>	<i>Pesticides or Herbicides</i>
	<input type="checkbox"/>	<i>Other Chemicals or hazardous substances</i>

10)	<b>Please indicate any wastes generated at the facility.</b>		
	<b>Hazardous waste:</b>	<b>Quantity:</b>	<b>Disposal Method:</b>

11)	<b>Are there currently or to the best of your knowledge have there been previously, any industrial drums (typically 55 gallon) or sacks of chemicals located on the property or at the facility?</b>	
	<input type="checkbox"/> Yes	if Yes or Unknown, please describe
	<input checked="" type="checkbox"/> No	
	<input type="checkbox"/> Unknown	

12)	<b>Are there currently or to the best of your knowledge have there been previously, any evidence of fill dirt having been brought onto the property that originated from a contaminated site or that is of an unknown origin?</b>	
	<input checked="" type="checkbox"/> Yes	if Yes or Unknown, please describe
	<input type="checkbox"/> No	<b>KB HOMES HAD SMALL QTY OF FILL FROM ADJ. SUBDIVISION - THEY PLACED, SPREAD &amp; COMPACTED</b>
	<input type="checkbox"/> Unknown	

13)	<b>Are there currently or to the best of your knowledge have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?</b>	
	<input type="checkbox"/> Yes	if Yes or Unknown, please describe
	<input checked="" type="checkbox"/> No	
	<input type="checkbox"/> Unknown	

14)	<b>Are there currently or to the best of your knowledge have there been previously, any sumps, clarifiers, or solvent degreasers on the property?</b>	
	<input type="checkbox"/> Yes	if Yes or Unknown, please describe
	<input checked="" type="checkbox"/> No	
	<input type="checkbox"/> Unknown	

15)	<b>Are there currently or to the best of your knowledge have there been previously, any stained soil on the property?</b>	
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**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

16) Are there currently or to the best of your knowledge have there been previously, any storage tanks (above or below ground) located on the property?

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

17) Are there currently or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways (etc.) indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

18) If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government agency?

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

19) Are there currently or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water, or are emitting foul odors?

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

20) To the best of your knowledge has your facility previously or does your facility currently, discharge wastewater on or adjacent to the property other than storm water into a sanitary sewer system?

<input type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input checked="" type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

21) Have any of the following ever been dumped above grade, buried and/or burned on the property? (please check all that apply and describe if possible)

<input type="checkbox"/>	hazardous substances
<input type="checkbox"/>	petroleum products
<input type="checkbox"/>	unidentified waste materials
<input type="checkbox"/>	tires
<input type="checkbox"/>	automotive or industrial batteries
<input type="checkbox"/>	other waste materials (please describe)

22) Are there currently or to the best of your knowledge have there been previously, a transformer, capacitor or any hydraulic equipment on the property?

<input checked="" type="checkbox"/>	Yes	if Yes or Unknown, please describe
<input type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

TRANSFORMER; AS IDENTIFIED IN AUG 15, 2005  
PHASE I ENV. SITE ASSESSMENT REPORT  
BY LAND AMERICA

**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

23)	<p>Are there currently or to the best of your knowledge indicating the presence of PCBs?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>have there been previously any records if Yes or Unknown, please describe</p>
24)	<p>Are there currently or to the best of your knowledge indicating the presence of pesticides or herbicides?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>have there been previously any records if Yes or Unknown, please describe</p>
25)	<p>Do you have any knowledge of environmental liens that may have been recorded against the property or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe</p>
26)	<p>Do you have any knowledge of activity and use limitations (AULs) such as engineering controls, deed restrictions, land use restrictions, or institutional controls that may have been recorded against the property?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe</p>
27)	<p>Have you been informed of the past or current existence of hazardous substances, petroleum products, or environmental violations with respect to the property or any facility located on the property?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe</p>
28)	<p>Do you have any knowledge of any environmental site assessments of the property or facility?</p> <p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe  <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT          AUG 15, 2005 · LAND AMERICA · LAC # 05-29571.2</b></p>
29)	<p>Do you know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release of any hazardous substances or petroleum products involving the property by any owner or occupant of the property?</p> <p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe</p>
30)	<p>Are there any site-specific geotechnical or geologic reports available for the subject property?</p> <p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Unknown</p>	<p>if Yes or Unknown, please describe  <b>GEOTECH REPORT BY KLEINFELDER          FEB 14, 2008</b></p>
31)	<p>Is there a Title Report available for the subject property? <b>IN AMCAL POSSESSION</b></p>	

**Property Owner Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

<input checked="" type="checkbox"/>	Yes	July 2017
<input type="checkbox"/>	No	
<input type="checkbox"/>	Unknown	

<b>This questionnaire was completed by (please print)</b>	
Name	<del>Brett</del> <b>BRETT</b> Brett Aasen
Title	<b>AUTHORIZED OWNER REP</b>
Firm	
Street Address	<del>4420 2nd St.</del> <b>1145 2ND ST #234</b>
City, State, Zip Code	Brentwood, CA 94513
Phone Number	<b>(925) 516-8199</b>
Fax Number	<b>N/A</b>
What is the Preparer's relationship to the property (i.e., owner, occupant, property manager, employee, agent, consultant, etc.)?	Owner

**Copies of the completed questionnaire should be emailed (preferably), faxed, or mailed to:**

Email: [Slarese@rinconconsultants.com](mailto:Slarese@rinconconsultants.com)  
 Fax: (805) 586-3209

Rincon Consultants, Inc.  
**Attention:** Sarah Larese  
 180 North Ashwood Avenue  
 Ventura, CA 93003

**Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's knowledge no material facts have been suppressed or misstated.**

Signature \_\_\_\_\_

Date Feb. \_\_\_\_, 2018

**User Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

To qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the user must provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that “all appropriate inquiries” is not complete.

We respectfully request that you fill out this form and e-mail it to Sarah Larese at [Slarese@rinconconsultants.com](mailto:Slarese@rinconconsultants.com) within one week from the date of this transmittal.

1. Why is the Phase I ESA required or being performed?	Land purchase
2. What type of property transaction is planned? (i.e. sale, purchase, exchange, etc.)	Land purchase
3. What is the entire site address?	3530-3560 E. 18 <sup>th</sup> St., Antioch, CA 94509
4. What is the Assessor’s Parcel Number (s)?	051-200-025 & -026
5. Identify all parties who will rely on the Phase I report.	AMCAL Multi-Housing Various financiers
6. Identify the Site Manager/Contact and how the contact can be reached.	Brett Assen Phone: 925/516-8199 Email: BA@EquusGroup.biz
7. Identify the Site Owner and how the owner can be reached.	Brett Assen Phone: 925/516-8199 Email: BA@EquusGroup.biz
8. Do you have copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the any other knowledge or experience with the property that may be pertinent to the environmental professional (i.e. title report, previous Ph I and II ESAs, Environmental Impact Studies, etc. ).	Environmental site assessment (2005). Geotechnical report (2008).

**1. Did a search of recorded land title records (or judicial records, where appropriate) identify any environmental liens filed or recorded against the property?**

Please checkmark the most appropriate response:

- I have not reviewed the records and *do not know* if there are any filed or recorded environmental liens.



**User Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

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I *have* reviewed the records, and *No, there aren't any* filed or recorded environmental liens.

I *have* reviewed the records, and *Yes, there are* environmental liens. Explain:

2. **Did a search of recorded land title records (or judicial records, where appropriate) identify any activity and land use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?**

Please checkmark the most appropriate response:

I *have not* reviewed the records and *do not know* if there are any filed/recorded AULs or any AULs in place at the site.

I *have* reviewed the records, and *No, there aren't any* filed/recorded AULs or any AULs in place at the site.

I *have* reviewed the records, and *Yes, there are* AULs filed, recorded, and/or in place at the site. Explain:

3. **Does the Title Report provide any information pertaining to environmental cleanup liens or activity and use limitations (AULs) for the subject property?**

Please checkmark the most appropriate response:

I *have not* reviewed the Title Report and *do not know* if it provides environmental cleanup liens or AULs information.

I *have* reviewed the Title Report, and *No, it does not* provide environmental cleanup liens or AULs information.

I *have* reviewed the Title Report, and *Yes, it does provide* environmental cleanup liens or AULs information. Explain:

4. **Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?**

Please checkmark the most appropriate response:

*No, I do not* have any specialized knowledge and/or experience related to the property or nearby properties.



**User Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

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- Yes, I do* have specialized knowledge and/or experience related to the property or nearby properties. Explain:

**5. As the user of this ESA, based on your knowledge and experience related to the property, are you aware of any information pertaining to a reduction in value for the subject property relative to any known environmental issues?**

Please checkmark the most appropriate response:

*No, I do not* have any information about a reduction in property value relative to environmental issues.

- Yes, I do* have information about a reduction in property value relative to environmental issues. Explain:

**6. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?**

Please checkmark the most appropriate response:

*Yes, I do* believe the purchase price being paid for this property reasonably reflects the fair market value of the property. Skip to question #7.

- No, I do not* believe the purchase price being paid for this property reasonably reflects the fair market value of the property. Proceed to question #6a.

**a. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40 CFR 312.29)**

Please checkmark the most appropriate response:

*No, I have not* considered the idea that known or believed contamination at the site has caused the lower purchase price.

- Yes, I have* considered the idea that known or believed contamination at the site has caused the lower purchase price. Explain.

**7. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,**

**a. Do you know the past uses of the property?**

*I do not* know.

- I do* know. Explain:



**User Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

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b. Do you know of specific chemicals are present or once were present at the property?

I *do not* know.

I *do* know. Explain:

c. Do you know of any spills or other chemical releases that have taken place at the property?

I *do not* know.

I *do* know. Explain:

d. Do you know of any environmental cleanups have taken place at the property?

I *do not* know.

I *do* know. Explain:

**8. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?**

Please checkmark the most appropriate response:

No, I do not know and/or do not have any experience with any obvious indicators that point to the presence or likely presence of contamination at the property.

Yes, I do know of and/or *do have experience with* obvious indicators that point to the presence or likely presence of contamination at the property. Explain:

**9. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products, in, on, or from the site?**

*No, I am not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products, in, on, or from the site.*

*Yes, I am aware of pending, threatened, or past litigation relevant to hazardous substances or petroleum products, in, on, or from the site.* Explain:

**10. Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the site?**

*No, I am not aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the site.*



**User Interview Questionnaire**

3500-3530 E. 18th Street, Antioch, California

- Yes, I am aware of pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the site. Explain:

**11. Are you aware of any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?**

No, I am not aware of any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

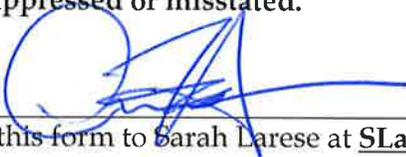
- Yes, I am aware of a notice, or notices, from a government entity (or multiple government entities) regarding a possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Explain:

This questionnaire was completed by (please print):

Name	Darin Hansen	
Title	Vice President	
Firm	AMCAL Multi-Housing	
Street Address	30141 Agoura Rd., Ste. 100	
City, State, Zip Code	Agoura Hills, CA 91301-4332	
Phone Number	(818) 706-0694 x173	
Fax Number	(818) 706-3752	
What is the preparer's relationship to the property?	Buyer	

The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and to the best of the preparer's knowledge, no material facts have been suppressed or misstated.

Signature



Date Feb. 2, 2018

Please email this form to Sarah Larese at [SLarese@rinconconsultants.com](mailto:SLarese@rinconconsultants.com).

This form may also be faxed to: 805-586-3209

Or mailed to the following address: Rincon Consultants, Inc.,  
**Attention: Sarah Larese**  
180 N. Ashwood Avenue,  
Ventura, California 93003



**User Interview Questionnaire**

**3500-3530 E. 18th Street, Antioch, California**

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- Yes, I am aware of pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the site. Explain:*

**11. Are you aware of any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?**

*No, I am not aware of any notice from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.*

- Yes, I am aware of a notice, or notices, from a government entity (or multiple government entities) regarding a possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Explain:*

This questionnaire was completed by (please print):

Name	Darin Hansen	
Title	Vice President	
Firm	AMCAL Multi-Housing	
Street Address	30141 Agoura Rd., Ste. 100	
City, State, Zip Code	Agoura Hills, CA 91301-4332	
Phone Number	(818) 706-0694 x173	
Fax Number	(818) 706-3752	
What is the preparer's relationship to the property?	Buyer	

**The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and to the best of the preparer's knowledge, no material facts have been suppressed or misstated.**

**Signature**

**Date Feb. 2, 2018**

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Please email this form to Sarah Larese at [SLarese@rinconconsultants.com](mailto:SLarese@rinconconsultants.com).

This form may also be faxed to: 805-586-3209

Or mailed to the following address: Rincon Consultants, Inc.,  
**Attention: Sarah Larese**  
180 N. Ashwood Avenue,  
Ventura, California 93003



*Rincon Consultants, Inc.*

# Appendix B

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Regulatory Records Documentation

**3530 E.18th Street**  
3530 E.18th Street  
Antioch, CA 94509

Inquiry Number: 05174049.2r  
January 31, 2018

## The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

3530 E.18TH STREET  
ANTIOCH, CA 94509

#### COORDINATES

Latitude (North): 38.0021970 - 38° 0' 7.90"  
Longitude (West): 121.7570840 - 121° 45' 25.50"  
Universal Tranverse Mercator: Zone 10  
UTM X (Meters): 609126.2  
UTM Y (Meters): 4206582.0  
Elevation: 47 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619678 ANTIOCH NORTH, CA
Version Date:	2012
Northeast Map:	5629060 JERSEY ISLAND, CA
Version Date:	2012
Southeast Map:	5640376 BRENTWOOD, CA
Version Date:	2012
Southwest Map:	5640044 ANTIOCH SOUTH, CA
Version Date:	2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140606  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 3530 E.18TH STREET  
 ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	POOLE'S TRUCKING	HWY 4 & NEROLY RD	CONTRA COSTA CO. SITE LIST	Lower	133, 0.025, NNE
A2	GAS MACHINE	HWY 4 8 BRIDGEHEAD R	HIST UST	Lower	133, 0.025, NNE
A3	ANTIOCH FIELD OFFICE	NEROLY ROAD AND HIGH	HIST UST	Lower	133, 0.025, NNE
A4	WASTE FIBER RECOVERY	HWY 4	CONTRA COSTA CO. SITE LIST	Lower	133, 0.025, NNE
5	MAGNO AUTO & TRUCK R	3420 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	168, 0.032, NNW
B6	CALIFORNIA ORGANICS	3305 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	435, 0.082, NNW
B7	CARSTENS PAINT & BOD	3295 E 18TH ST	HAZNET, CONTRA COSTA CO. SITE LIST	Lower	457, 0.087, NNW
B8	RELIABLE MOBILE AUTO	3291 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	466, 0.088, NNW
C9	OM NUMO INC	3629 E 18TH ST	EDR Hist Auto	Lower	506, 0.096, NNE
C10	VIP CARWASH DETAIL C	3629 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	526, 0.100, NNE
C11	BRIDGEHEAD PLAZA BEA	3629 E 18TH ST	UST	Lower	526, 0.100, NNE
12	STROER & GRAFF INC	1830 PHILLIPS LN	CONTRA COSTA CO. SITE LIST	Lower	705, 0.134, NW
13	PG&E OAKLEY ROAD MET	3320 OAKLEY RD	HAZNET, CONTRA COSTA CO. SITE LIST	Higher	716, 0.136, SSW
14	SPRINT CELL SITE FNO	1651 DRIVE-IN AVE	CONTRA COSTA CO. SITE LIST	Lower	736, 0.139, North
15	KMART #4762	3625 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	766, 0.145, NNE
16	VINEYARD TRACT	E. 18TH STREET	ENVIROSTOR, VCP	Lower	799, 0.151, NNW
D17	PG&E ENVIRONMENTAL R	3302 OAKLEY RD	CONTRA COSTA CO. SITE LIST	Higher	886, 0.168, SSW
D18	OAKLEY ROAD METERING	OAKLEY RD. & PHILLIP	ENVIROSTOR	Higher	938, 0.178, SSW
D19	PACIFIC GAS & ELECTR	OAKLEY RD & PHILLIPS	SLIC, FINDS, EMI	Higher	938, 0.178, SSW
D20	PG&E OAKLEY ROAD MET	OAKLEY ROAD	SLIC, CHMIRS	Higher	938, 0.178, SSW
E21	KAMPS PROPANE	3285 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E22	SPECTROM COMPOSITE &	3277 E 18TH STREET	EMI, HAZNET, CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E23	FUHRER PAINT WERKZ	3257 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E24	RIVERTOWN MOTORSPORT	3265 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E25	PECKHAM PROPERTY	3215 18TH ST E	LUST, HIST CORTESE, CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E26	B J'S TOW	3235 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E27	A-1 TUNE & REPAIR	3275 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E28	A & S TRANSMISSION	3261 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
E29	ARROW HEAD TOWING, I	3245 E 18TH ST	CONTRA COSTA CO. SITE LIST	Lower	961, 0.182, NW
F30	CUTINOS FEED & TIRE	500 MAIN ST	CONTRA COSTA CO. SITE LIST	Lower	1003, 0.190, NE
F31	FORMER PISSIGONI TOW	590-5904 MAIN STREET	US BROWNFIELDS, FINDS	Lower	1035, 0.196, NE
F32	CHEAPER! #169	101 MAIN ST	SWEEPS UST	Lower	1161, 0.220, NE
33	P G & E OAKLEY RD ME	OAKLEY RD NR PHILLIP	RCRA-SQG	Higher	1161, 0.220, SSW
34	O P S CUSTOM PAINT &	484 ELM LANE BLDG 1	RCRA-SQG, FINDS, ECHO	Lower	1162, 0.220, East
F35	OAKLEY HOTEL	123 MAIN ST	CONTRA COSTA CO. SITE LIST	Lower	1172, 0.222, NE
36	ADJAY CONSTRUCTION	5346 ELM LN	HAZNET, CONTRA COSTA CO. SITE LIST	Lower	1195, 0.226, ENE
F37	OAKLEY ONE HR CLEANE	231 MAIN ST	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1227, 0.232, NE
G38	A & A MARKET (FORMER	407 MAIN ST	LUST, SWEEPS UST, HIST CORTESE, CONTRA COSTA CO...	Lower	1322, 0.250, NE
G39	OAKLEY BUILDERS SUPP	800 MAIN ST	LUST	Lower	1530, 0.290, ENE

MAPPED SITES SUMMARY

Target Property Address:  
 3530 E.18TH STREET  
 ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">G40</a>	OAKLEY BUILDERS SUPP	800 MAIN ST HWY 4	LUST, HIST UST, HIST CORTESE, CONTRA COSTA CO....	Lower	1530, 0.290, ENE
<a href="#">H41</a>	CHEVRON #9-3801	5433 NEROLY RD	LUST, HIST CORTESE	Lower	1642, 0.311, ENE
<a href="#">42</a>	BRIDGEHEAD INC	5540 BRIDGEHEAD RD	LUST, CHMIRS, HIST CORTESE, CONTRA COSTA CO. SITE..	Lower	1800, 0.341, ENE
<a href="#">H43</a>	PG&E ANTIOCH DISTRIC	5400 NERLOY RD	SLIC	Lower	1854, 0.351, ENE
<a href="#">H44</a>	PG&E CORP. YARD	5400 NEROLY ROAD	US BROWNFIELDS, FINDS	Lower	1854, 0.351, ENE
<a href="#">H45</a>	PACIFIC GAS & ELECTR	5400 NERLOY	SLIC	Lower	1854, 0.351, ENE
<a href="#">46</a>	CHEVRON, HICKSON KER	3951 OAKLEY ROAD	SLIC, CONTRA COSTA CO. SITE LIST	Higher	2576, 0.488, SW
<a href="#">I47</a>	CHEMOURS OAKLEY	6000 BRIDGEHEAD ROAD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	3222, 0.610, NNE
<a href="#">I48</a>	E.I. DUPONT DE NEMOU	6000 BRIDGEHEAD RD	ENVIROSTOR, LUST, SLIC, SWEEPS UST, CA FID UST,...	Lower	3222, 0.610, NNE
<a href="#">J49</a>	INDUSTRIAL LOT WITH	2600 WILBUR AVENUE	ENVIROSTOR, VCP	Lower	4352, 0.824, NW
<a href="#">50</a>	CONTRA COSTA POWER P	PO BOX 249	AST, WMUDS/SWAT, EMI, Financial Assurance, HWP,...	Lower	4420, 0.837, NNW
<a href="#">J51</a>	DECON ENVIRONMENTAL	2603 WILBUR AVE	ENVIROSTOR, VCP, HAZNET	Lower	4516, 0.855, NW
<a href="#">52</a>	NEW OAKLEY RD ES	LIVE OAKE AVE/OAKLEY	ENVIROSTOR, SCH	Lower	4722, 0.894, East
<a href="#">K53</a>	CONTRA COSTA GENERAT	3201 WILBUR AVE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	4853, 0.919, NNW
<a href="#">K54</a>	CONTRA COSTA GENERAT	3201 WILBUR AVENUE	ENVIROSTOR, CHMIRS, TSCA, ICIS, FINDS, ECHO, ENF,...	Lower	4853, 0.919, NNW

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

## EXECUTIVE SUMMARY

### **State- and tribal - equivalent NPL**

RESPONSE..... State Response Sites

### **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF..... Solid Waste Information System

### **State and tribal leaking storage tank lists**

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### **State and tribal registered storage tank lists**

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

### **State and tribal voluntary cleanup sites**

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **State and tribal Brownfields sites**

BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

#### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

US CDL..... National Clandestine Laboratory Register

#### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database

#### **Local Land Records**

LIENS..... Environmental Liens Listing

## EXECUTIVE SUMMARY

LIENS 2 ..... CERCLA Lien Information  
DEED..... Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
ABANDONED MINES..... Abandoned Mines  
FINDS..... Facility Index System/Facility Registry System  
UXO..... Unexploded Ordnance Sites  
DOCKET HWC..... Hazardous Waste Compliance Docket Listing  
ECHO..... Enforcement & Compliance History Information  
FUELS PROGRAM..... EPA Fuels Program Registered Listing  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
CUPA Listings..... CUPA Resources List  
DRYCLEANERS..... Cleaner Facilities

## EXECUTIVE SUMMARY

EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2017 has revealed that there are 2

## EXECUTIVE SUMMARY

CORRACTS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEMOURS OAKLEY</b>	<b>6000 BRIDGEHEAD ROAD</b>	<b>NNE 1/2 - 1 (0.610 mi.)</b>	<b>I47</b>	<b>69</b>
<b>CONTRA COSTA GENERAT</b>	<b>3201 WILBUR AVE</b>	<b>NNW 1/2 - 1 (0.919 mi.)</b>	<b>K53</b>	<b>157</b>

### ***Federal RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
P G & E OAKLEY RD ME	OAKLEY RD NR PHILLIP	SSW 1/8 - 1/4 (0.220 mi.)	33	36
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>O P S CUSTOM PAINT &amp; OAKLEY ONE HR CLEANE</b>	<b>484 ELM LANE BLDG 1 231 MAIN ST</b>	<b>E 1/8 - 1/4 (0.220 mi.) NE 1/8 - 1/4 (0.232 mi.)</b>	<b>34 F37</b>	<b>37 41</b>

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/30/2017 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OAKLEY ROAD METERING Facility Id: 7490002 Status: Refer: RWQCB	OAKLEY RD. & PHILLIP	SSW 1/8 - 1/4 (0.178 mi.)	D18	17
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>VINEYARD TRACT</b> Facility Id: 7010013	<b>E. 18TH STREET</b>	<b>NNW 1/8 - 1/4 (0.151 mi.)</b>	<b>16</b>	<b>15</b>

## EXECUTIVE SUMMARY

Status: Certified				
<b>E.I. DUPONT DE NEMOU</b>	<b>6000 BRIDGEHEAD RD</b>	<b>NNE 1/2 - 1 (0.610 mi.)</b>	<b>I48</b>	<b>104</b>
Facility Id: 7280084				
Facility Id: 80001610				
Status: Refer: RCRA				
Status: Active				
<b>INDUSTRIAL LOT WITH</b>	<b>2600 WILBUR AVENUE</b>	<b>NW 1/2 - 1 (0.824 mi.)</b>	<b>J49</b>	<b>147</b>
Facility Id: 7990014				
Status: Certified				
<b>DECON ENVIRONMENTAL</b>	<b>2603 WILBUR AVE</b>	<b>NW 1/2 - 1 (0.855 mi.)</b>	<b>J51</b>	<b>153</b>
Facility Id: 7260003				
Status: Active				
<b>NEW OAKLEY RD ES</b>	<b>LIVE OAKE AVE/OAKLEY</b>	<b>E 1/2 - 1 (0.894 mi.)</b>	<b>52</b>	<b>155</b>
Facility Id: 7820015				
Status: No Further Action				
<b>CONTRA COSTA GENERAT</b>	<b>3201 WILBUR AVENUE</b>	<b>NNW 1/2 - 1 (0.919 mi.)</b>	<b>K54</b>	<b>175</b>
Facility Id: 80001830				
Facility Id: 71003523				
Status: Active				
Status: Refer: Other Agency				

### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PECKHAM PROPERTY</b>	<b>3215 18TH ST E</b>	<b>NW 1/8 - 1/4 (0.182 mi.)</b>	<b>E25</b>	<b>29</b>
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 12/11/2017				
Status: Completed - Case Closed				
Status: Case Closed				
Global Id: T0601300779				
<b>A &amp; A MARKET (FORMER)</b>	<b>407 MAIN ST</b>	<b>NE 1/4 - 1/2 (0.250 mi.)</b>	<b>G38</b>	<b>44</b>
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 12/11/2017				
Status: Completed - Case Closed				
Status: Case Closed				
Global Id: T0601300762				
<b>OAKLEY BUILDERS SUPP</b>	<b>800 MAIN ST</b>	<b>ENE 1/4 - 1/2 (0.290 mi.)</b>	<b>G39</b>	<b>48</b>
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Status: Case Closed				
<b>OAKLEY BUILDERS SUPP</b>	<b>800 MAIN ST HWY 4</b>	<b>ENE 1/4 - 1/2 (0.290 mi.)</b>	<b>G40</b>	<b>48</b>
Database: LUST, Date of Government Version: 12/11/2017				
Status: Completed - Case Closed				

## EXECUTIVE SUMMARY

Global Id: T0601300758

<b>CHEVRON #9-3801</b>	<b>5433 NEROLY RD</b>	<b>ENE 1/4 - 1/2 (0.311 mi.)</b>	<b>H41</b>	<b>50</b>
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 12/11/2017				
Status: Completed - Case Closed				
Status: Case Closed				
Global Id: T0601300773				

<b>BRIDGEHEAD INC</b>	<b>5540 BRIDGEHEAD RD</b>	<b>ENE 1/4 - 1/2 (0.341 mi.)</b>	<b>42</b>	<b>52</b>
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 12/11/2017				
Status: Completed - Case Closed				
Status: Case Closed				
Global Id: T0601300789				

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 5 SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PACIFIC GAS &amp; ELECTR</b>	<b>OAKLEY RD &amp; PHILLIPS</b>	<b>SSW 1/8 - 1/4 (0.178 mi.)</b>	<b>D19</b>	<b>18</b>
Database: SLIC REG 5, Date of Government Version: 04/01/2005				
<b>PG&amp;E OAKLEY ROAD MET</b>	<b>OAKLEY ROAD</b>	<b>SSW 1/8 - 1/4 (0.178 mi.)</b>	<b>D20</b>	<b>23</b>
Database: SLIC, Date of Government Version: 12/11/2017				
Facility Status: Open - Remediation				
Global Id: SL0601346154				
<b>CHEVRON, HICKSON KER</b>	<b>3951 OAKLEY ROAD</b>	<b>SW 1/4 - 1/2 (0.488 mi.)</b>	<b>46</b>	<b>67</b>
Database: SLIC REG 5, Date of Government Version: 04/01/2005				
Database: SLIC, Date of Government Version: 12/11/2017				
Facility Status: Open - Site Assessment				
Facility Status: Completed - Case Closed				
Global Id: SL185922952				
Global Id: SL0601370344				
Global Id: SL186232981				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PG&amp;E ANTIOCH DISTRIC</b>	<b>5400 NERLOY RD</b>	<b>ENE 1/4 - 1/2 (0.351 mi.)</b>	<b>H43</b>	<b>56</b>
Database: SLIC REG 5, Date of Government Version: 04/01/2005				
<b>PACIFIC GAS &amp; ELECTR</b>	<b>5400 NERLOY</b>	<b>ENE 1/4 - 1/2 (0.351 mi.)</b>	<b>H45</b>	<b>66</b>
Database: SLIC, Date of Government Version: 12/11/2017				
Facility Status: Completed - Case Closed				
Global Id: SL0601327305				

## EXECUTIVE SUMMARY

### ***State and tribal registered storage tank lists***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRIDGEHEAD PLAZA BEA Database: UST, Date of Government Version: 12/11/2017 Facility Id: 07-000-772511 Facility Id: 772511	3629 E 18TH ST	NNE 0 - 1/8 (0.100 mi.)	C11	13

### ***State and tribal voluntary cleanup sites***

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/30/2017 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VINEYARD TRACT Status: Certified Facility Id: 7010013	E. 18TH STREET	NNW 1/8 - 1/4 (0.151 mi.)	16	15

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 08/21/2017 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER PISSIGONI TOW PG&E CORP. YARD	590-5904 MAIN STREET 5400 NEROLY ROAD	NE 1/8 - 1/4 (0.196 mi.) ENE 1/4 - 1/2 (0.351 mi.)	F31 H44	32 56

## EXECUTIVE SUMMARY

### **Local Lists of Registered Storage Tanks**

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEAPER! #169 Status: A Tank Status: A Comp Number: 70074	101 MAIN ST	NE 1/8 - 1/4 (0.220 mi.)	F32	35

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GAS MACHINE Facility Id: 00000052684	HWY 4 8 BRIDGEHEAD R	NNE 0 - 1/8 (0.025 mi.)	A2	8
ANTIOCH FIELD OFFICE Facility Id: 00000059179	NEROLY ROAD AND HIGH	NNE 0 - 1/8 (0.025 mi.)	A3	9

### **Other Ascertainable Records**

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 5 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PECKHAM PROPERTY</b> Reg Id: 070057	<b>3215 18TH ST E</b>	<b>NW 1/8 - 1/4 (0.182 mi.)</b>	<b>E25</b>	<b>29</b>
<b>A &amp; A MARKET (FORMER)</b> Reg Id: 070035	<b>407 MAIN ST</b>	<b>NE 1/4 - 1/2 (0.250 mi.)</b>	<b>G38</b>	<b>44</b>
<b>OAKLEY BUILDERS SUPP</b> Reg Id: 070024	<b>800 MAIN ST HWY 4</b>	<b>ENE 1/4 - 1/2 (0.290 mi.)</b>	<b>G40</b>	<b>48</b>
<b>CHEVRON #9-3801</b> Reg Id: 070047	<b>5433 NEROLY RD</b>	<b>ENE 1/4 - 1/2 (0.311 mi.)</b>	<b>H41</b>	<b>50</b>
<b>BRIDGEHEAD INC</b> Reg Id: 070070	<b>5540 BRIDGEHEAD RD</b>	<b>ENE 1/4 - 1/2 (0.341 mi.)</b>	<b>42</b>	<b>52</b>

## EXECUTIVE SUMMARY

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/20/2017 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>E.I. DUPONT DE NEMOU</b> EPA Id: CAD009151671 Cleanup Status: POST CLOSURE PERMIT	<b>6000 BRIDGEHEAD RD</b>	<b>NNE 1/2 - 1 (0.610 mi.)</b>	<b>I48</b>	<b>104</b>
<b>CONTRA COSTA POWER P</b> EPA Id: CAT080011489 Cleanup Status: CLOSED	<b>PO BOX 249</b>	<b>NNW 1/2 - 1 (0.837 mi.)</b>	<b>50</b>	<b>148</b>

CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 11/20/2017 has revealed that there are 24 CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PG&amp;E OAKLEY ROAD MET</b> Facility Id: FA0035574	<b>3320 OAKLEY RD</b>	<b>SSW 1/8 - 1/4 (0.136 mi.)</b>	<b>13</b>	<b>14</b>
PG&E ENVIRONMENTAL R Facility Id: FA0034449	3302 OAKLEY RD	SSW 1/8 - 1/4 (0.168 mi.)	D17	17

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POOLE'S TRUCKING Facility Id: FA0028099	HWY 4 & NEROLY RD	NNE 0 - 1/8 (0.025 mi.)	A1	8
WASTE FIBER RECOVERY Facility Id: FA0028056	HWY 4	NNE 0 - 1/8 (0.025 mi.)	A4	9
MAGNO AUTO & TRUCK R Facility Id: FA0038216 Facility Id: FA0029355	3420 E 18TH ST	NNW 0 - 1/8 (0.032 mi.)	5	10
CALIFORNIA ORGANICS Facility Id: FA0030971	3305 E 18TH ST	NNW 0 - 1/8 (0.082 mi.)	B6	10
<b>CARSTENS PAINT &amp; BOD</b> Facility Id: FA0028334	<b>3295 E 18TH ST</b>	<b>NNW 0 - 1/8 (0.087 mi.)</b>	<b>B7</b>	<b>11</b>
RELIABLE MOBILE AUTO Facility Id: FA0029653	3291 E 18TH ST	NNW 0 - 1/8 (0.088 mi.)	B8	12
VIP CARWASH DETAIL C Facility Id: FA0029199 Facility Id: FA0040419	3629 E 18TH ST	NNE 0 - 1/8 (0.100 mi.)	C10	12
STROER & GRAFF INC Facility Id: FA0028876	1830 PHILLIPS LN	NW 1/8 - 1/4 (0.134 mi.)	12	13
SPRINT CELL SITE FN0 Facility Id: FA0030509	1651 DRIVE-IN AVE	N 1/8 - 1/4 (0.139 mi.)	14	14
KMART #4762	3625 E 18TH ST	NNE 1/8 - 1/4 (0.145 mi.)	15	15

## EXECUTIVE SUMMARY

Facility Id: FA0029655					
KAMPS PROPANE	3285 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E21	25	
Facility Id: FA0031768					
<b>SPECTROM COMPOSITE &amp;</b>	<b>3277 E 18TH STREET</b>	<b>NW 1/8 - 1/4 (0.182 mi.)</b>	<b>E22</b>	<b>25</b>	
Facility Id: FA0028333					
FUHRER PAINT WERKZ	3257 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E23	28	
Facility Id: FA0029352					
RIVERTOWN MOTORSPORT	3265 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E24	28	
Facility Id: FA0036512					
<b>PECKHAM PROPERTY</b>	<b>3215 18TH ST E</b>	<b>NW 1/8 - 1/4 (0.182 mi.)</b>	<b>E25</b>	<b>29</b>	
Facility Id: FA0033294					
B J'S TOW	3235 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E26	30	
Facility Id: FA0029353					
A-1 TUNE & REPAIR	3275 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E27	30	
Facility Id: FA0029350					
A & S TRANSMISSION	3261 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E28	31	
Facility Id: FA0028320					
ARROW HEAD TOWING, I	3245 E 18TH ST	NW 1/8 - 1/4 (0.182 mi.)	E29	31	
Facility Id: FA0029354					
CUTINOS FEED & TIRE	500 MAIN ST	NE 1/8 - 1/4 (0.190 mi.)	F30	32	
Facility Id: FA0031126					
OAKLEY HOTEL	123 MAIN ST	NE 1/8 - 1/4 (0.222 mi.)	F35	38	
Facility Id: FA0033431					
<b>ADJAY CONSTRUCTION</b>	<b>5346 ELM LN</b>	<b>ENE 1/8 - 1/4 (0.226 mi.)</b>	<b>36</b>	<b>39</b>	
Facility Id: FA0034758					

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

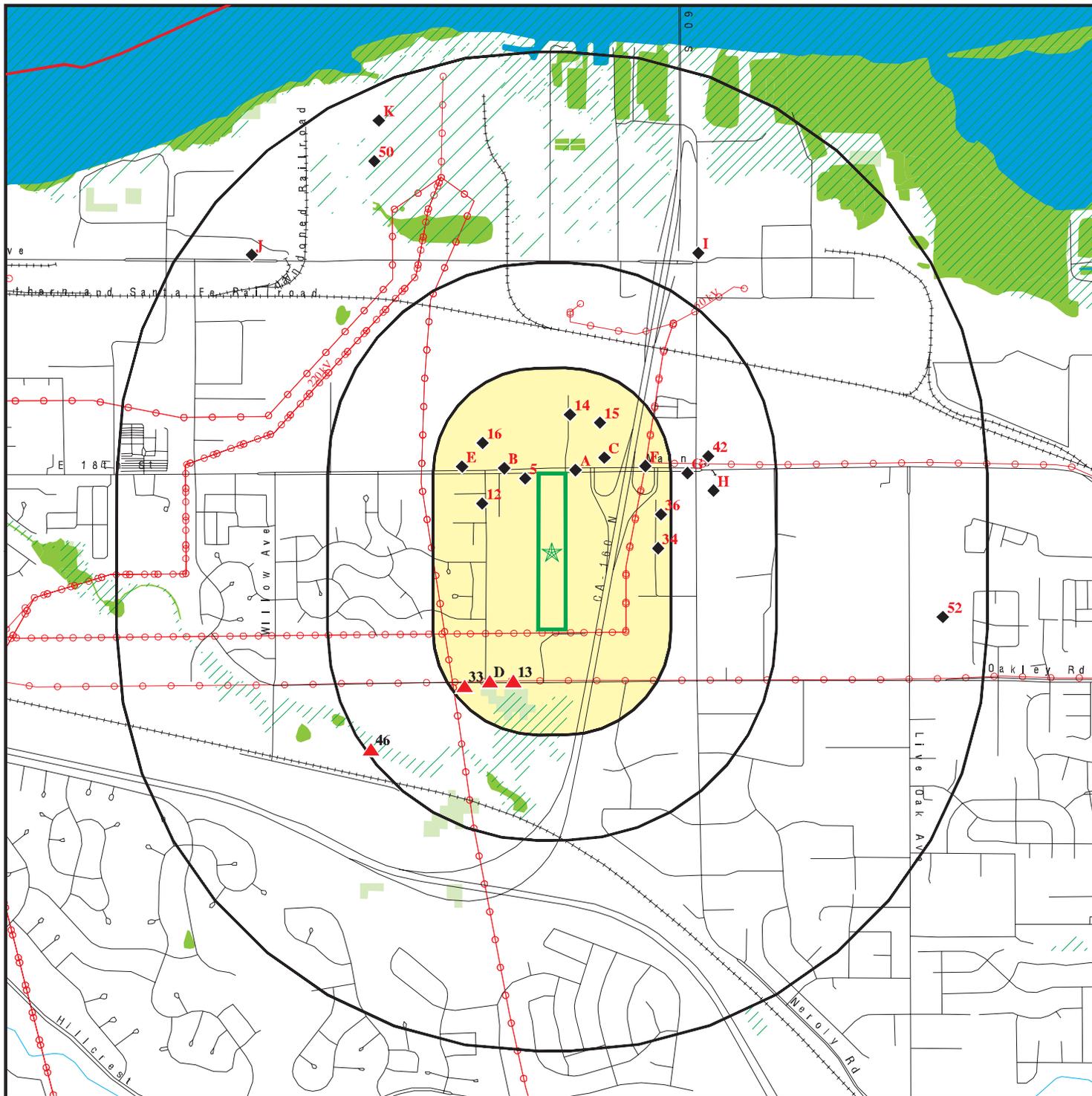
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OM NUMO INC	3629 E 18TH ST	NNE 0 - 1/8 (0.096 mi.)	C9	12

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
PG&E GAS DEHYDRATOR STATION, DUTCH	SLIC

# OVERVIEW MAP - 05174049.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

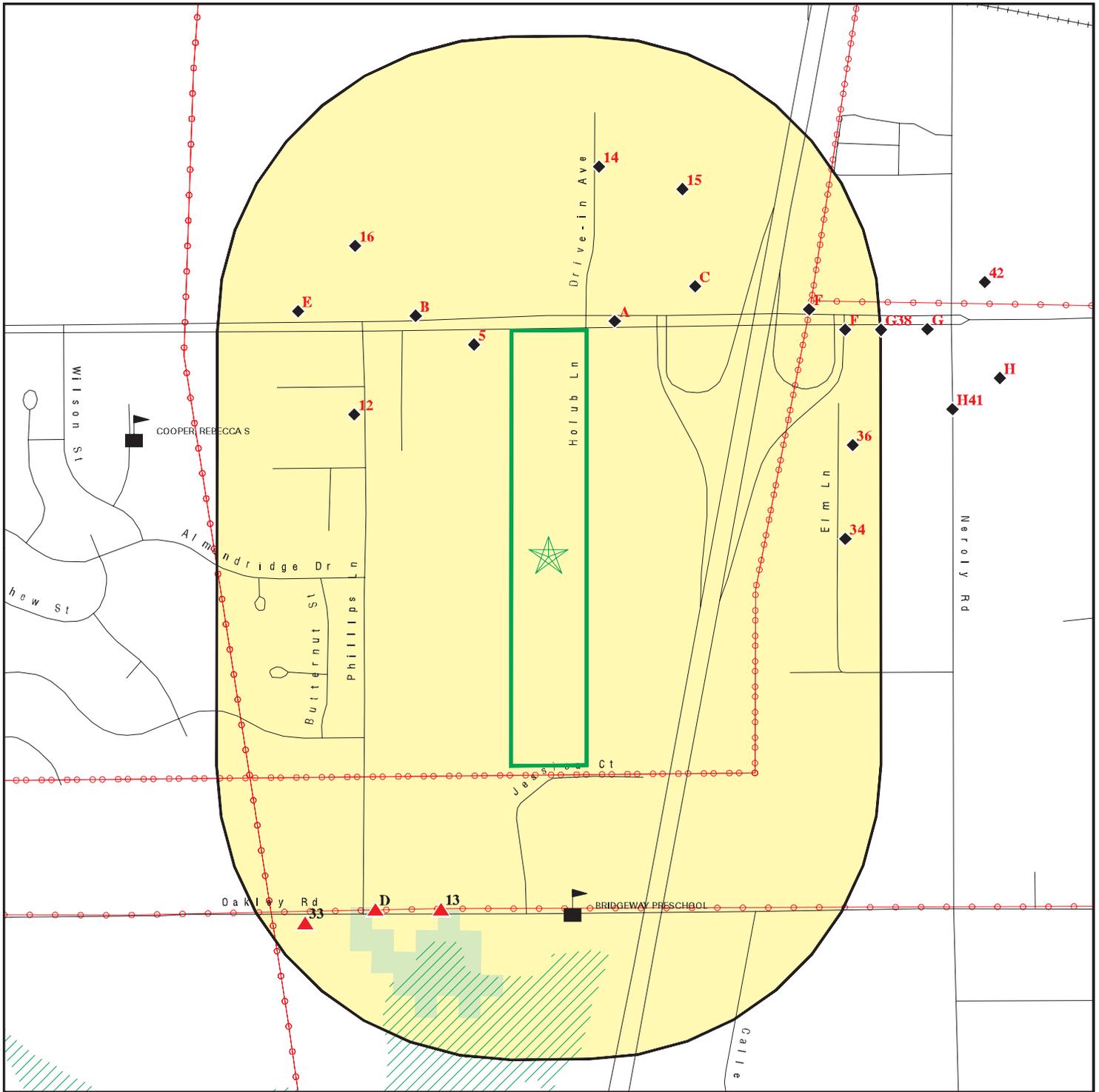
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 3530 E.18th Street  
 ADDRESS: 3530 E.18th Street  
 Antioch CA 94509  
 LAT/LONG: 38.002197 / 121.757084

CLIENT: Rincon  
 CONTACT: Sarah Larese  
 INQUIRY #: 05174049.2r  
 DATE: January 31, 2018 3:24 pm

# DETAIL MAP - 05174049.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p><b>SITE NAME:</b> 3530 E.18th Street  <b>ADDRESS:</b> 3530 E.18th Street                  Antioch CA 94509  <b>LAT/LONG:</b> 38.002197 / 121.757084</p>	<p><b>CLIENT:</b> Rincon  <b>CONTACT:</b> Sarah Larese  <b>INQUIRY #:</b> 05174049.2r  <b>DATE:</b> January 31, 2018 3:25 pm</p>
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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	2	NR	2
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	2	0	5	NR	7
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	1	5	NR	NR	6

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	2	3	NR	NR	5
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
VCP	0.500		0	1	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	1	1	NR	NR	2
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		2	0	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	4	NR	NR	5
HWP	1.000		0	0	0	2	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
CONTRA COSTA CO. SITE	0.250		7	17	NR	NR	NR	24
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	11	29	13	9	0	62
-------------	--	---	----	----	----	---	---	----

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**  
**NNE**  
**< 1/8**  
**0.025 mi.**  
**133 ft.**

**POOLE'S TRUCKING**  
**HWY 4 & NEROLY RD**  
**OAKLEY, CA 94561**

**CONTRA COSTA CO. SITE LIST**

**S102261389**  
**N/A**

**Site 1 of 4 in cluster A**

**Relative:**  
**Lower**

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0028099  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 771334

**Actual:**  
**35 ft.**

**A2**  
**NNE**  
**< 1/8**  
**0.025 mi.**  
**133 ft.**

**GAS MACHINE**  
**HWY 4 8 BRIDGEHEAD RD**  
**OAKLEY, CA 94561**

**HIST UST**

**U001597808**  
**N/A**

**Site 2 of 4 in cluster A**

**Relative:**  
**Lower**

HIST UST:

File Number: 00022839  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022839.pdf>  
Region: STATE  
Facility ID: 00000052684  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: 4157576380  
Owner Name: BRIDGEHEAD INC.  
Owner Address: 3089 FRANDORAS CIR.  
Owner City,St,Zip: OAKLEY, CA 94561  
Total Tanks: 0003

**Actual:**  
**35 ft.**

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Pressure Test

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Pressure Test

Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Pressure Test

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GAS MACHINE (Continued)**

**U001597808**

[Click here for Geo Tracker PDF:](#)

**A3**  
**NNE**  
**< 1/8**  
**0.025 mi.**  
**133 ft.**

**ANTIOCH FIELD OFFICE**  
**NEROLY ROAD AND HIGHWAY 4**  
**ANTIOCH, CA 94509**

**HIST UST** **U001596206**  
**N/A**

**Site 3 of 4 in cluster A**

**Relative:**  
**Lower**

HIST UST:

File Number: 00022DC8  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022DC8.pdf>  
Region: STATE  
Facility ID: 00000059179  
Facility Type: Other  
Other Type: UTILITY  
Contact Name: R.W. HORTON  
Telephone: 4157571607  
Owner Name: PACIFIC GAS AND ELECTRIC CO.  
Owner Address: 77 BEALE STREET  
Owner City,St,Zip: SAN FRANCISCO, CA 94106  
Total Tanks: 0001

**Actual:**  
**35 ft.**

Tank Num: 001  
Container Num: A-17  
Year Installed: 1954  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

**A4**  
**NNE**  
**< 1/8**  
**0.025 mi.**  
**133 ft.**

**WASTE FIBER RECOVERY**  
**HWY 4**  
**ANTIOCH, CA 94509**

**CONTRA COSTA CO. SITE LIST** **S100858306**  
**N/A**

**Site 4 of 4 in cluster A**

**Relative:**  
**Lower**

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0028056  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 771286

**Actual:**  
**35 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**5**                    **MAGNO AUTO & TRUCK REPAIR**                    **CONTRA COSTA CO. SITE LIST**                    **S103464173**  
**NNW**                    **3420 E 18TH ST**  
**< 1/8**                    **ANTIOCH, CA 94509**  
**0.032 mi.**  
**168 ft.**

**Relative:**                    **CONTRA COSTA CO. SITE LIST:**  
**Lower**                    Facility ID:                    FA0038216  
                                 Billing Status:                    INACTIVE, NON-BILLABLE  
**Actual:**                    Program Status:                    CONTRA COSTA CO. SITE LIST  
**41 ft.**                    Program/Elements:                    HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    775326  
  
                                 Facility ID:                    FA0038216  
                                 Billing Status:                    INACTIVE, NON-BILLABLE  
                                 Program Status:                    CONTRA COSTA CO. SITE LIST  
                                 Program/Elements:                    HWG: REPORTED ZERO  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    775326  
  
                                 Facility ID:                    FA0038216  
                                 Billing Status:                    ACTIVE, BILLABLE  
                                 Program Status:                    CONTRA COSTA CO. SITE LIST  
                                 Program/Elements:                    HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    775326  
  
                                 Facility ID:                    FA0038216  
                                 Billing Status:                    ACTIVE, BILLABLE  
                                 Program Status:                    CONTRA COSTA CO. SITE LIST  
                                 Program/Elements:                    HWG: REPORTED ZERO  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    775326  
  
                                 Facility ID:                    FA0029355  
                                 Billing Status:                    INACTIVE, NON-BILLABLE  
                                 Program Status:                    CONTRA COSTA CO. SITE LIST  
                                 Program/Elements:                    HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    772675  
  
                                 Facility ID:                    FA0029355  
                                 Billing Status:                    INACTIVE, NON-BILLABLE  
                                 Program Status:                    CONTRA COSTA CO. SITE LIST  
                                 Program/Elements:                    HWG: LESS THAN 5 TONS/YEAR  
                                 Region:                    CONTRA COSTA  
                                 Cupa Number:                    772675

**B6**                    **CALIFORNIA ORGANICS INC**                    **CONTRA COSTA CO. SITE LIST**                    **S102259799**  
**NNW**                    **3305 E 18TH ST**  
**< 1/8**                    **ANTIOCH, CA 94509**  
**0.082 mi.**  
**435 ft.**                    **Site 1 of 3 in cluster B**

**Relative:**                    **CONTRA COSTA CO. SITE LIST:**  
**Lower**                    Facility ID:                    FA0030971  
                                 Billing Status:                    INACTIVE, NON-BILLABLE  
**Actual:**                    Program Status:                    CONTRA COSTA CO. SITE LIST  
**39 ft.**                    Program/Elements:                    HMBP GENERAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALIFORNIA ORGANICS INC (Continued)**

**S102259799**

Region: CONTRA COSTA  
Cupa Number: 707568

**B7  
NNW  
< 1/8  
0.087 mi.  
457 ft.**

**CARSTENS PAINT & BODY  
3295 E 18TH ST  
ANTIOCH, CA 94509**

**HAZNET  
CONTRA COSTA CO. SITE LIST**

**S113047576  
N/A**

**Site 2 of 3 in cluster B**

**Relative:  
Lower**

HAZNET:

**Actual:  
39 ft.**

envid: S113047576  
Year: 1993  
GEPaid: CAL000067345  
Contact: DAN PECKHAM  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3295 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CAT000613993  
TSD County: Not reported  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Tons: 0.0135  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

envid: S113047576  
Year: 1993  
GEPaid: CAL000067345  
Contact: DAN PECKHAM  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3295 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Tons: 4.0500000000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0028334  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: LESS THAN 1000 LBS  
Region: CONTRA COSTA  
Cupa Number: 771577

Facility ID: FA0028334  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CARSTENS PAINT & BODY (Continued)**

**S113047576**

Program/Elements: HWG: REPORTED ZERO  
 Region: CONTRA COSTA  
 Cupa Number: 771577

**B8** **RELIABLE MOBILE AUTOMOTIVE**  
**NNW** **3291 E 18TH ST**  
**< 1/8** **ANTIOCH, CA 94509**  
**0.088 mi.**  
**466 ft.** **Site 3 of 3 in cluster B**

**CONTRA COSTA CO. SITE LIST** **S104583178**  
**N/A**

**Relative:** **CONTRA COSTA CO. SITE LIST:**  
**Lower** Facility ID: FA0029653  
 Billing Status: ACTIVE, BILLABLE  
**Actual:** Program Status: CONTRA COSTA CO. SITE LIST  
**39 ft.** Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
 Region: CONTRA COSTA  
 Cupa Number: 772980

Facility ID: FA0029653  
 Billing Status: ACTIVE, BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: HWG: 12 - <25 TONS/YEAR  
 Region: CONTRA COSTA  
 Cupa Number: 772980

**C9** **OM NUMO INC**  
**NNE** **3629 E 18TH ST**  
**< 1/8** **ANTIOCH, CA 94509**  
**0.096 mi.**  
**506 ft.** **Site 1 of 3 in cluster C**

**EDR Hist Auto** **1022104939**  
**N/A**

**Relative:** **EDR Hist Auto**  
**Lower**

Year:	Name:	Type:
2002	OM NUMO INC	Gasoline Service Stations
2003	OM NUMO INC	Gasoline Service Stations
2004	OM NUMO INC	Gasoline Service Stations
2005	OM NUMO INC	Gasoline Service Stations
2006	OM NUMO INC	Gasoline Service Stations
2007	OM NUMO INC	Gasoline Service Stations
2008	OM NUMO INC	Gasoline Service Stations
2009	OM NUMO INC	Gasoline Service Stations

**C10** **VIP CARWASH DETAIL CENTER**  
**NNE** **3629 E 18TH ST**  
**< 1/8** **ANTIOCH, CA 94509**  
**0.100 mi.**  
**526 ft.** **Site 2 of 3 in cluster C**

**CONTRA COSTA CO. SITE LIST** **S105455122**  
**N/A**

**Relative:** **CONTRA COSTA CO. SITE LIST:**  
**Lower** Facility ID: FA0029199  
 Billing Status: ACTIVE, BILLABLE  
**Actual:** Program Status: CONTRA COSTA CO. SITE LIST  
**32 ft.** Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES  
 Region: CONTRA COSTA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VIP CARWASH DETAIL CENTER (Continued)**

**S105455122**

Cupa Number: 772511

Facility ID: FA0029199  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 772511

Facility ID: FA0029199  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 772511

Facility ID: FA0040419  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP GENERAL  
Region: CONTRA COSTA  
Cupa Number: 775900

**C11  
NNE  
< 1/8  
0.100 mi.  
526 ft.**

**BRIDGEHEAD PLAZA BEACON  
3629 E 18TH ST  
ANTIOCH, CA 94509  
Site 3 of 3 in cluster C**

**UST U003784416  
N/A**

**Relative:  
Lower  
Actual:  
32 ft.**

UST:  
Facility ID: 07-000-772511  
Permitting Agency: Contra Costa County Health Services Department  
Latitude: 38.00555  
Longitude: -121.754799

Facility ID: 772511  
Permitting Agency: CONTRA COSTA COUNTY  
Latitude: 38.006895  
Longitude: -121.753438

**12  
NW  
1/8-1/4  
0.134 mi.  
705 ft.**

**STROER & GRAFF INC  
1830 PHILLIPS LN  
ANTIOCH, CA 94509**

**CONTRA COSTA CO. SITE LIST S102259932  
N/A**

**Relative:  
Lower  
Actual:  
43 ft.**

CONTRA COSTA CO. SITE LIST:  
Facility ID: FA0028876  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP GENERAL  
Region: CONTRA COSTA  
Cupa Number: 772165

Facility ID: FA0028876  
Billing Status: INACTIVE, NON-BILLABLE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STROER & GRAFF INC (Continued)**

**S102259932**

Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 772165

13  
SSW  
1/8-1/4  
0.136 mi.  
716 ft.

**PG&E OAKLEY ROAD METER**  
**3320 OAKLEY RD**  
**ANTIOCH, CA 94509**

**HAZNET**  
**CONTRA COSTA CO. SITE LIST**

**S117047916**  
**N/A**

**Relative:**  
**Higher**

**HAZNET:**

envid: S117047916  
Year: 2013  
GEPaid: CAL000385589  
Contact: Larry Jeffirs  
Telephone: 9254156407  
Mailing Name: Not reported  
Mailing Address: 3401 CROW CANYON RD  
Mailing City,St,Zip: SAN RAMON, CA 94583  
Gen County: Contra Costa  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Not reported  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,  
Organics Recovery Ect  
Tons: 0.0417  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

**Actual:**  
**84 ft.**

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0035574  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 774886

14  
North  
1/8-1/4  
0.139 mi.  
736 ft.

**SPRINT CELL SITE FN03XC148**  
**1651 DRIVE-IN AVE**  
**ANTIOCH, CA 94509**

**CONTRA COSTA CO. SITE LIST**

**S109035169**  
**N/A**

**Relative:**  
**Lower**

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0030509  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 773840

**Actual:**  
**31 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

15  
NNE  
1/8-1/4  
0.145 mi.  
766 ft.

**KMART #4762**  
**3625 E 18TH ST**  
**ANTIOCH, CA 94509**

**CONTRA COSTA CO. SITE LIST**

**S108211321**  
**N/A**

**Relative:**  
**Lower**

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0029655  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 772982

**Actual:**  
**30 ft.**

Facility ID: FA0029655  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 772982

16  
NNW  
1/8-1/4  
0.151 mi.  
799 ft.

**VINEYARD TRACT**  
**E. 18TH STREET**  
**ANTIOCH, CA 94509**

**ENVIROSTOR**  
**VCP**

**S116165379**  
**N/A**

**Relative:**  
**Lower**

ENVIROSTOR:

Facility ID: 7010013  
Status: Certified  
Status Date: 12/19/2005  
Site Code: 201533  
Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: 24.79  
NPL: NO  
Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY  
Lead Agency: SMBRP  
Program Manager: Megan Indermill  
Supervisor: Barbara Cook  
Division Branch: Cleanup Berkeley  
Assembly: 11  
Senate: 07  
Special Program: Designation of Single Agency  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 38.006  
Longitude: -121.7601  
APN: 051-052-056-2  
Past Use: NONE  
Potential COC: NONE SPECIFIED No Contaminants found  
Confirmed COC: No Contaminants found  
Potential Description: NMA  
Alias Name: Not reported  
Alias Type: Not reported

**Actual:**  
**36 ft.**

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VINEYARD TRACT (Continued)**

**S116165379**

Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**VCP:**

Facility ID: 7010013  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 24.79  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Megan Indermill  
Supervisor: Barbara Cook  
Division Branch: Cleanup Berkeley  
Site Code: 201533  
Assembly: 11  
Senate: 07  
Special Programs Code: Designation of Single Agency  
Status: Certified  
Status Date: 12/19/2005  
Restricted Use: NO  
Funding: Responsible Party  
Lat/Long: 38.006 / -121.7601  
APN: 051-052-056-2  
Past Use: NONE  
Potential COC: NONE SPECIFIED,31000  
Confirmed COC: 31000  
Potential Description: NMA  
Alias Name: Not reported  
Alias Type: Not reported

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VINEYARD TRACT (Continued)**

**S116165379**

Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**D17**  
**SSW**  
**1/8-1/4**  
**0.168 mi.**  
**886 ft.**

**PG&E ENVIRONMENTAL REMEDIATION**  
**3302 OAKLEY RD**  
**ANTIOCH, CA 94509**  
**Site 1 of 4 in cluster D**

**CONTRA COSTA CO. SITE LIST** **S113882134**  
**N/A**

**Relative:**  
**Higher**

CONTRA COSTA CO. SITE LIST:  
 Facility ID: FA0034449  
 Billing Status: INACTIVE, NON-BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: HWG: REPORTED ZERO  
 Region: CONTRA COSTA  
 Cupa Number: 774696

**Actual:**  
**80 ft.**

**D18**  
**SSW**  
**1/8-1/4**  
**0.178 mi.**  
**938 ft.**

**OAKLEY ROAD METERING SITE**  
**OAKLEY RD. & PHILLIPS LN.**  
**ANTIOCH, CA 94509**  
**Site 2 of 4 in cluster D**

**ENVIROSTOR** **S116165414**  
**N/A**

**Relative:**  
**Higher**

ENVIROSTOR:  
 Facility ID: 7490002  
 Status: Refer: RWQCB  
 Status Date: 08/28/2002  
 Site Code: Not reported  
 Site Type: Evaluation  
 Site Type Detailed: Evaluation  
 Acres: 0.7  
 NPL: NO  
 Regulatory Agencies: NONE SPECIFIED  
 Lead Agency: NONE SPECIFIED  
 Program Manager: Not reported  
 Supervisor: Referred - Not Assigned  
 Division Branch: Cleanup Berkeley  
 Assembly: 11  
 Senate: 07  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 37.9975  
 Longitude: -121.7597  
 APN: NONE SPECIFIED  
 Past Use: NONE SPECIFIED  
 Potential COC: \* HYDROCARBON SOLVENTS Polychlorinated biphenyls (PCBs)  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NONE SPECIFIED  
 Alias Name: Not reported  
 Alias Type: Not reported

**Actual:**  
**79 ft.**

**Completed Info:**

Completed Area Name: Not reported  
 Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY ROAD METERING SITE (Continued)**

**S116165414**

Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**D19**  
**SSW**  
**1/8-1/4**  
**0.178 mi.**  
**938 ft.**

**PACIFIC GAS & ELECTRIC COMPANY**  
**OAKLEY RD & PHILLIPS LN**  
**ANTIOCH, CA 94509**

**SLIC 1006824694**  
**FINDS N/A**  
**EMI**

**Site 3 of 4 in cluster D**

**Relative:**  
**Higher**

SLIC REG 5:  
Region: 5  
Facility Status: RI  
Unit: Facility is a Spill or site  
Pollutant: TPH-d,g  
Lead Agency: MES  
Date Filed: / /  
Report Date: / /  
Date Added: Not reported  
Date Closed: Not reported

**Actual:**  
**79 ft.**

**FINDS:**

Registry ID: 110013832996

Environmental Interest/Information System  
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**EMI:**

Year: 1998  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4953  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC COMPANY (Continued)**

**1006824694**

Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0  
  
Year: 1999  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4953  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4953  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4953  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002  
County Code: 7  
Air Basin: SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC COMPANY (Continued)**

**1006824694**

Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.482  
Reactive Organic Gases Tons/Yr: 0.3367252  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC COMPANY (Continued)**

**1006824694**

Total Organic Hydrocarbon Gases Tons/Yr: .756  
Reactive Organic Gases Tons/Yr: .5281416  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .792  
Reactive Organic Gases Tons/Yr: .5532912  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.261  
Reactive Organic Gases Tons/Yr: 0.1823346  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.86  
Reactive Organic Gases Tons/Yr: 0.600796  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC COMPANY (Continued)**

**1006824694**

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2013  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.327  
Reactive Organic Gases Tons/Yr: 0.9270422  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2014  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.645331881  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2015  
County Code: 7  
Air Basin: SF  
Facility ID: 11250  
Air District Name: BA  
SIC Code: 4923  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.645444612  
Reactive Organic Gases Tons/Yr: 0.645400811  
Carbon Monoxide Emissions Tons/Yr: 0.000805  
NOX - Oxides of Nitrogen Tons/Yr: 0.003225313  
SOX - Oxides of Sulphur Tons/Yr: 1.307e-005  
Particulate Matter Tons/Yr: 6.9e-005  
Part. Matter 10 Micrometers and Smlr Tons/Yr:6.9e-005

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D20**  
**SSW**  
**1/8-1/4**  
**0.178 mi.**  
**938 ft.**

**PG&E OAKLEY ROAD METERING STATION**  
**OAKLEY ROAD**  
**ANTIOCH, CA 94509**

**SLIC S105650178**  
**CHMIRS N/A**

**Site 4 of 4 in cluster D**

**Relative:**  
**Higher**

SLIC:

Region:

STATE

**Facility Status:**

**Open - Remediation**

**Actual:**  
**79 ft.**

Status Date:

11/20/2013

Global Id:

SL0601346154

Lead Agency:

CENTRAL VALLEY RWQCB (REGION 5S)

Lead Agency Case Number:

Not reported

Latitude:

37.997698

Longitude:

-121.759578

Case Type:

Cleanup Program Site

Case Worker:

JTM

Local Agency:

Not reported

RB Case Number:

SL0601346154

File Location:

Regional Board

Potential Media Affected:

Aquifer used for drinking water supply

Potential Contaminants of Concern:

Other Petroleum

Site History:

1991: Initial investigation of the site. Survey the surrounding area for water wells within a 0.5 mile radius. Monitoring wells MW-1 through MW-3 installed within Site boundaries. 1992: Land Survey and Site Characterization. A land survey was performed and 14 borings were drilled and sampled. November 1992: Additional Site Characterization. 27 additional soil borings were drilled and grab groundwater samples were collected. Results were used to determine additional monitoring well locations. December 1992: Monitoring Well Installation. Monitoring wells MW-4 through MW-7 installed. January 1993: Monitoring Well Installation. Monitoring Well MW-8 installed to a deeper aquifer. 1993: Off-site Monitoring Well Installation. Monitoring wells MW-9 through MW-21 installed off-site. December 1995: Domestic Water Supply Well Destruction. Four domestic water supply wells located on residential properties within 400 feet of the Site were destroyed. The four residences were then connected to the City of Antioch water supply system. 1996-1997: Off-site monitoring wells MW-22 through MW-24 were installed. An on-site air sparging (AS) point SP-1 was installed. March 1997: Air Sparging Pilot Test. An air sparging test was conducted at SP-1 for air injection and MW-1, MW-3, and MW-23 for observation. June 1997: Interim Remediation System. An interim remediation system was installed consisting of a soil vapor extraction (SVE) and treatment system, and a groundwater extraction and treatment system. July 1997: Start Up of Groundwater Extraction and Treatment System and SVE Treatment System. Groundwater extraction and treatment system and testing of the removal efficiency of the full-scale SVE treatment system with biological treatment (SVETS) units began. December 1997: SVE Treatment System. SVE treatment system began full operation. Investigation of the site began in 1991 with a survey and sampling of water wells within 0.5 mile of the site, as well as the installation of monitoring wells MW-1, MW-2, and MW-3 onsite (TES, 1991a; TES, 1991b; TES, 1991c). No domestic or irrigation wells are located within a 0.5-mile radius of the site (CH2M Hill, 2005). The GWETS began operation in July 1997. In a letter dated August 21, 2008, CVRWQCB concurred with the implementation of an air sparge pilot test and stated that the fate of the SVE system could be readdressed pending the results of the pilot study (

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E OAKLEY ROAD METERING STATION (Continued)**

**S105650178**

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:

OES Incident Number:	7-2754
OES notification:	07/14/1997
OES Date:	Not reported
OES Time:	Not reported
<b>Date Completed:</b>	<b>Not reported</b>
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	PGE
Incident Date:	7/14/1997 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Petroleum hydrocarbons
Gallons:	300
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PG&E OAKLEY ROAD METERING STATION (Continued)**

**S105650178**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pipe ruptured in a PGE facility, drained liquid into soil.

**E21  
 NW  
 1/8-1/4  
 0.182 mi.  
 961 ft.**

**KAMPS PROPANE  
 3285 E 18TH ST  
 ANTIOCH, CA 94509  
 Site 1 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST S112242196  
 N/A**

**Relative:  
 Lower  
 Actual:  
 42 ft.**

CONTRA COSTA CO. SITE LIST:  
 Facility ID: FA0031768  
 Billing Status: INACTIVE, NON-BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: HMBP: >10K-100K LBS, 0-19 EMPLOYEES  
 Region: CONTRA COSTA  
 Cupa Number: 774547

**E22  
 NW  
 1/8-1/4  
 0.182 mi.  
 961 ft.**

**SPECTROM COMPOSITE & PAINT (AUTO WORX)  
 3277 E 18TH STREET  
 ANTIOCH, CA 94509  
 Site 2 of 9 in cluster E**

**EMI HAZNET S113104114  
 N/A  
 CONTRA COSTA CO. SITE LIST**

**Relative:  
 Lower  
 Actual:  
 42 ft.**

EMI:  
 Year: 2014  
 County Code: 7  
 Air Basin: SF  
 Facility ID: 22232  
 Air District Name: BA  
 SIC Code: 7532  
 Air District Name: BAY AREA AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 0.116919923  
 Reactive Organic Gases Tons/Yr: 0  
 Carbon Monoxide Emissions Tons/Yr: 0  
 NOX - Oxides of Nitrogen Tons/Yr: 0  
 SOX - Oxides of Sulphur Tons/Yr: 0  
 Particulate Matter Tons/Yr: 0  
 Part. Matter 10 Micrometers and Smlr Tons/Yr: 0  
  
 Year: 2015  
 County Code: 7  
 Air Basin: SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPECTROM COMPOSITE & PAINT (AUTO WORX) (Continued)**

**S113104114**

Facility ID: 22232  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.11691992  
Reactive Organic Gases Tons/Yr: 0.11691992  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

**HAZNET:**

envid: S113104114  
Year: 2010  
GEPaid: CAL000204959  
Contact: CLYDE MAHONEY  
Telephone: 9257546991  
Mailing Name: Not reported  
Mailing Address: PO BOX 2532  
Mailing City,St,Zip: ANTIOCH, CA 94531  
Gen County: Not reported  
TSD EPA ID: NVD980895338  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.25  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S113104114  
Year: 2004  
GEPaid: CAL000204959  
Contact: CLYDE MAHONEY  
Telephone: 9257546991  
Mailing Name: Not reported  
Mailing Address: 3277 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Transfer Station  
Tons: 0.1  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S113104114  
Year: 2004  
GEPaid: CAL000204959  
Contact: CLYDE MAHONEY  
Telephone: 9257546991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPECTROM COMPOSITE & PAINT (AUTO WORX) (Continued)**

**S113104114**

Mailing Name: Not reported  
Mailing Address: 3277 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CAD053044053  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Transfer Station  
Tons: 0.14  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S113104114  
Year: 2003  
GEPaid: CAL000204959  
Contact: CLYDE MAHONEY  
Telephone: 9257546991  
Mailing Name: Not reported  
Mailing Address: 3277 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Transfer Station  
Tons: 0.43  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S113104114  
Year: 2002  
GEPaid: CAL000204959  
Contact: CLYDE MAHONEY  
Telephone: 9257546991  
Mailing Name: Not reported  
Mailing Address: 3277 E 18TH ST  
Mailing City,St,Zip: ANTIOCH, CA 945090000  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Transfer Station  
Tons: 0.01  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

[Click this hyperlink](#) while viewing on your computer to access additional CA\_HAZNET: detail in the EDR Site Report.

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0028333  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPECTROM COMPOSITE & PAINT (AUTO WORX) (Continued)**

**S113104114**

Region: CONTRA COSTA  
Cupa Number: 771576  
  
Facility ID: FA0028333  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 771576

Facility ID: FA0028333  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 771576

**E23  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**FUHRER PAINT WERKZ  
3257 E 18TH ST  
ANTIOCH, CA 94509  
  
Site 3 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST S103652964  
N/A**

**Relative:  
Lower**

CONTRA COSTA CO. SITE LIST:  
Facility ID: FA0029352  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 772672

**Actual:  
42 ft.**

**E24  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**RIVERTOWN MOTORSPORTS  
3265 E 18TH ST  
ANTIOCH, CA 94509  
  
Site 4 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST S117846239  
N/A**

**Relative:  
Lower**

CONTRA COSTA CO. SITE LIST:  
Facility ID: FA0036512  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG GENERAL  
Region: CONTRA COSTA  
Cupa Number: 775054

**Actual:  
42 ft.**

Facility ID: FA0036512  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 775054

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E25** PECKHAM PROPERTY  
**NW** 3215 18TH ST E  
**1/8-1/4** ANTIOCH, CA 94509  
**0.182 mi.**  
**961 ft.** Site 5 of 9 in cluster E

**LUST** S104403147  
**HIST CORTESE** N/A  
**CONTRA COSTA CO. SITE LIST**

**Relative:**  
**Lower**

LUST:

Lead Agency: CONTRA COSTA COUNTY  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300779](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300779)  
Global Id: T0601300779  
Latitude: 38.005953  
Longitude: -121.760986  
Status: Completed - Case Closed  
Status Date: 01/27/1997  
Case Worker: BRU  
RB Case Number: 070057  
Local Agency: CONTRA COSTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**Actual:**  
**42 ft.**

LUST:

Global Id: T0601300779  
Contact Type: Local Agency Caseworker  
Contact Name: BRUCE BENIKI  
Organization Name: CONTRA COSTA COUNTY  
Address: Not reported  
City: r5 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0601300779  
Contact Type: Regional Board Caseworker  
Contact Name: VERA J. FISCHER  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)  
Address: 11020 SUN CENTER DRIVE #200  
City: RANCHO CORDOVA  
Email: vera.fischer@waterboards.ca.gov  
Phone Number: Not reported

LUST:

Global Id: T0601300779  
Action Type: Other  
Date: 10/16/1990  
Action: Leak Reported

LUST:

Global Id: T0601300779  
Status: Open - Case Begin Date  
Status Date: 10/11/1990

Global Id: T0601300779  
Status: Open - Site Assessment  
Status Date: 10/11/1990

Global Id: T0601300779

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PECKHAM PROPERTY (Continued)**

**S104403147**

Status: Completed - Case Closed  
Status Date: 01/27/1997

LUST REG 5:

Region: 5  
Status: Case Closed  
Case Number: 070057  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: PMV  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

HIST CORTESE:

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 070057

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0033294  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 770782

**E26  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**B J'S TOW  
3235 E 18TH ST  
ANTIOCH, CA 94509  
Site 6 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST S103464169  
N/A**

**Relative:  
Lower**

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0029353  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 772673

**Actual:  
42 ft.**

**E27  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**A-1 TUNE & REPAIR  
3275 E 18TH ST  
ANTIOCH, CA 94509  
Site 7 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST S103464172  
N/A**

**Relative:  
Lower**

CONTRA COSTA CO. SITE LIST:

Facility ID: FA0029350  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA

**Actual:  
42 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A-1 TUNE & REPAIR (Continued)**

**S103464172**

Cupa Number: 772670  
  
Facility ID: FA0029350  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 772670

**E28  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**A & S TRANSMISSION  
3261 E 18TH ST  
ANTIOCH, CA 94509  
  
Site 8 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST**

**S105455116  
N/A**

**Relative:  
Lower  
  
Actual:  
42 ft.**

CONTRA COSTA CO. SITE LIST:  
Facility ID: FA0028320  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 771563  
  
Facility ID: FA0028320  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 771563

**E29  
NW  
1/8-1/4  
0.182 mi.  
961 ft.**

**ARROW HEAD TOWING, INC  
3245 E 18TH ST  
ANTIOCH, CA 94509  
  
Site 9 of 9 in cluster E**

**CONTRA COSTA CO. SITE LIST**

**S103464170  
N/A**

**Relative:  
Lower  
  
Actual:  
42 ft.**

CONTRA COSTA CO. SITE LIST:  
Facility ID: FA0029354  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: >10K-100K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 772674  
  
Facility ID: FA0029354  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 772674



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER PISSIGONI TOWING (Continued)**

**1016348682**

Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER PISSIGONI TOWING (Continued)**

**1016348682**

Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	storage, residential housing
Below Poverty Number:	37
Below Poverty Percent:	6.6%
Meidan Income:	1185
Meidan Income Number:	84
Meidan Income Percent:	2.9%
Vacant Housing Number:	9
Vacant Housing Percent:	27.1%
Unemployed Number:	12
Unemployed Percent:	20.3%

**FINDS:**

Registry ID: 110038747425

**Environmental Interest/Information System**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F32**  
**NE**  
**1/8-1/4**  
**0.220 mi.**  
**1161 ft.**

**CHEAPER! #169**  
**101 MAIN ST**  
**OAKLEY, CA 94561**  
**Site 3 of 5 in cluster F**

**SWEEPS UST**    **S106924250**  
                                  **N/A**

**Relative:**  
**Lower**

**SWEEPS UST:**  
 Status: Active  
 Comp Number: 70074  
 Number: 1  
 Board Of Equalization: 44-002222  
 Referral Date: 01-31-92  
 Action Date: 01-31-92  
 Created Date: 07-22-88  
 Owner Tank Id: 169-R  
 SWRCB Tank Id: 07-000-070074-000001  
 Tank Status: A  
 Capacity: 12000  
 Active Date: 01-31-92  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: LEADED  
 Number Of Tanks: 3

**Actual:**  
**35 ft.**

Status: Active  
 Comp Number: 70074  
 Number: 1  
 Board Of Equalization: 44-002222  
 Referral Date: 01-31-92  
 Action Date: 01-31-92  
 Created Date: 07-22-88  
 Owner Tank Id: 169-U  
 SWRCB Tank Id: 07-000-070074-000002  
 Tank Status: A  
 Capacity: 12000  
 Active Date: 01-31-92  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: REG UNLEADED  
 Number Of Tanks: Not reported

Status: Active  
 Comp Number: 70074  
 Number: 1  
 Board Of Equalization: 44-002222  
 Referral Date: 01-31-92  
 Action Date: 01-31-92  
 Created Date: 07-22-88  
 Owner Tank Id: 169-P  
 SWRCB Tank Id: 07-000-070074-000003  
 Tank Status: A  
 Capacity: 12000  
 Active Date: 01-31-92  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: REG UNLEADED  
 Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

33  
SSW  
1/8-1/4  
0.220 mi.  
1161 ft.

**P G & E OAKLEY RD METER SITE**  
**OAKLEY RD NR PHILLIPS LN**  
**ANTIOCH, CA 94509**

**RCRA-SQG 1000597282**  
**CAD983612854**

**Relative:**  
**Higher**

RCRA-SQG:

**Actual:**  
**75 ft.**

Date form received by agency: 05/20/1997  
Facility name: P G & E OAKLEY RD METER SITE  
Facility address: OAKLEY RD NR PHILLIPS LN  
ANTIOCH, CA 94509  
EPA ID: CAD983612854  
Mailing address: 4690 EVORA RD  
CONCORD, CA 94520  
Contact: Not reported  
Contact address: Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/20/1997  
Site name: P G & E OAKLEY RD METER SITE  
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996  
Site name: P G & E OAKLEY RD METER SITE  
Classification: Small Quantity Generator

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34  
East  
1/8-1/4  
0.220 mi.  
1162 ft.

**O P S CUSTOM PAINT & BODY**  
**484 ELM LANE BLDG 1**  
**ANTIOCH, CA 94509**

**RCRA-SQG 1000130501**  
**FINDS CAD981639503**  
**ECHO**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 02/23/1987  
Facility name: O P S CUSTOM PAINT & BODY  
Facility address: 484 ELM LANE BLDG 1  
ANTIOCH, CA 94509  
EPA ID: CAD981639503  
Mailing address: ELM LANE BLDG 1  
ANTIOCH, CA 94509  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 484 ELM LANE BLDG 1  
ANTIOCH, CA 94509  
Contact country: US  
Contact telephone: 415-754-3447  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**36 ft.**

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: DEPIAZZA BOB  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**O P S CUSTOM PAINT & BODY (Continued)**

**1000130501**

Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002734943

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000130501  
Registry ID: 110002734943  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002734943>

**F35  
NE  
1/8-1/4  
0.222 mi.  
1172 ft.**

**OAKLEY HOTEL  
123 MAIN ST  
OAKLEY, CA 94561**

**CONTRA COSTA CO. SITE LIST S102261397  
N/A**

**Site 4 of 5 in cluster F**

**Relative:  
Lower**

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0033431  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 770919

**Actual:  
35 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

36  
ENE  
1/8-1/4  
0.226 mi.  
1195 ft.

**ADJAY CONSTRUCTION**  
**5346 ELM LN**  
**OAKLEY, CA 94561**

**HAZNET**  
**CONTRA COSTA CO. SITE LIST**

**S112953200**  
**N/A**

**Relative:**  
**Lower**

HAZNET:  
envid: S112953200  
Year: 2006  
GEPaid: CAC002603205  
Contact: LESLIE WOLFE  
Telephone: 9259333931  
Mailing Name: Not reported  
Mailing Address: PO BOX 6123  
Mailing City,St,Zip: CONCORD, CA 945241123  
Gen County: Not reported  
TSD EPA ID: CAL000161743  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Tons: 0.15  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

**Actual:**  
**36 ft.**

envid: S112953200  
Year: 2006  
GEPaid: CAC002603205  
Contact: LESLIE WOLFE  
Telephone: 9259333931  
Mailing Name: Not reported  
Mailing Address: PO BOX 6123  
Mailing City,St,Zip: CONCORD, CA 945241123  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Recycler  
Tons: 1.48  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S112953200  
Year: 2006  
GEPaid: CAC002603205  
Contact: LESLIE WOLFE  
Telephone: 9259333931  
Mailing Name: Not reported  
Mailing Address: PO BOX 6123  
Mailing City,St,Zip: CONCORD, CA 945241123  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Recycler  
Tons: 1.37  
Cat Decode: Not reported  
Method Decode: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADJAY CONSTRUCTION (Continued)**

**S112953200**

Facility County: Contra Costa  
  
envid: S112953200  
Year: 2006  
GEPAID: CAC002603205  
Contact: LESLIE WOLFE  
Telephone: 9259333931  
Mailing Name: Not reported  
Mailing Address: PO BOX 6123  
Mailing City,St,Zip: CONCORD, CA 945241123  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Recycler  
Tons: 0.68  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

envid: S112953200  
Year: 2006  
GEPAID: CAC002603205  
Contact: LESLIE WOLFE  
Telephone: 9259333931  
Mailing Name: Not reported  
Mailing Address: PO BOX 6123  
Mailing City,St,Zip: CONCORD, CA 945241123  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Recycler  
Tons: 0.22  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

[Click this hyperlink](#) while viewing on your computer to access  
4 additional CA\_HAZNET: record(s) in the EDR Site Report.

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0034758  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 774739

Facility ID: FA0034758  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: REPORTED ZERO  
Region: CONTRA COSTA  
Cupa Number: 774739

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

F37  
NE  
1/8-1/4  
0.232 mi.  
1227 ft.

**OAKLEY ONE HR CLEANERS**  
231 MAIN ST  
OAKLEY, CA 94561  
**Site 5 of 5 in cluster F**

RCRA-SQG 1000283390  
FINDS CAD981614654  
ECHO  
HAZNET

Relative:  
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996  
Facility name: OAKLEY ONE HR CLEANERS  
Facility address: 231 MAIN ST  
OAKLEY, CA 94561  
EPA ID: CAD981614654  
Contact: Not reported  
Contact address: Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:  
35 ft.

Owner/Operator Summary:

Owner/operator name: OAKLEY ONE HR CLEANERS  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY ONE HR CLEANERS (Continued)**

**1000283390**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/22/1987  
Site name: OAKLEY ONE HR CLEANERS  
Classification: Large Quantity Generator  
  
Violation Status: No violations found

FINDS:

Registry ID: 110002724366

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000283390  
Registry ID: 110002724366  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002724366>

HAZNET:

envid: 1000283390  
Year: 1998  
GEPaid: CAD981614654  
Contact: OAKLEY ONE HR CLEANERS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3647 MAIN ST  
Mailing City, St, Zip: OAKLEY, CA 945615779  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .2925  
Cat Decode: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY ONE HR CLEANERS (Continued)**

**1000283390**

Method Decode: Not reported  
Facility County: 7  
  
envid: 1000283390  
Year: 1998  
GEPaid: CAD981614654  
Contact: OAKLEY ONE HR CLEANERS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3647 MAIN ST  
Mailing City,St,Zip: OAKLEY, CA 945615779  
Gen County: Not reported  
TSD EPA ID: CAD053044053  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .1950  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

envid: 1000283390  
Year: 1997  
GEPaid: CAD981614654  
Contact: OAKLEY ONE HR CLEANERS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3647 MAIN ST  
Mailing City,St,Zip: OAKLEY, CA 945615779  
Gen County: Not reported  
TSD EPA ID: CAD053044053  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .9425  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

envid: 1000283390  
Year: 1996  
GEPaid: CAD981614654  
Contact: OAKLEY ONE HR CLEANERS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3647 MAIN ST  
Mailing City,St,Zip: OAKLEY, CA 945615779  
Gen County: Not reported  
TSD EPA ID: CAD053044053  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .6550  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY ONE HR CLEANERS (Continued)**

**1000283390**

envid: 1000283390  
Year: 1995  
GEPaid: CAD981614654  
Contact: OAKLEY ONE HR CLEANERS  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 3647 MAIN ST  
Mailing City,St,Zip: OAKLEY, CA 945615779  
Gen County: Not reported  
TSD EPA ID: CAD053044053  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .8500  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 7

[Click this hyperlink](#) while viewing on your computer to access  
4 additional CA\_HAZNET: record(s) in the EDR Site Report.

**G38  
NE  
1/4-1/2  
0.250 mi.  
1322 ft.**

**A & A MARKET (FORMER)  
407 MAIN ST  
OAKLEY, CA 94561  
Site 1 of 3 in cluster G**

**LUST S100223761  
SWEEPS UST N/A  
HIST CORTESE  
CONTRA COSTA CO. SITE LIST**

**Relative:  
Lower**

LUST:

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300762](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300762)  
Global Id: T0601300762  
Latitude: 38.0050065  
Longitude: -121.7504086  
Status: Completed - Case Closed  
Status Date: 12/02/1997  
Case Worker: VJF  
RB Case Number: 070035  
Local Agency: CONTRA COSTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0601300762  
Contact Type: Local Agency Caseworker  
Contact Name: BRUCE BENIKI  
Organization Name: CONTRA COSTA COUNTY  
Address: Not reported  
City: r5 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0601300762  
Contact Type: Regional Board Caseworker  
Contact Name: VERA J. FISCHER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A & A MARKET (FORMER) (Continued)**

**S100223761**

Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)  
Address: 11020 SUN CENTER DRIVE #200  
City: RANCHO CORDOVA  
Email: vera.fischer@waterboards.ca.gov  
Phone Number: Not reported

LUST:

Global Id: T0601300762  
Action Type: ENFORCEMENT  
Date: 12/02/1997  
Action: Closure/No Further Action Letter - #12/2/1997

Global Id: T0601300762  
Action Type: ENFORCEMENT  
Date: 12/02/1997  
Action: Closure/No Further Action Letter - #12/2/1997

Global Id: T0601300762  
Action Type: Other  
Date: 03/01/1987  
Action: Leak Discovery

Global Id: T0601300762  
Action Type: Other  
Date: 03/30/1987  
Action: Leak Reported

LUST:

Global Id: T0601300762  
Status: Open - Case Begin Date  
Status Date: 03/01/1987

Global Id: T0601300762  
Status: Open - Site Assessment  
Status Date: 01/07/1988

Global Id: T0601300762  
Status: Completed - Case Closed  
Status Date: 12/02/1997

LUST REG 5:

Region: 5  
Status: Case Closed  
Case Number: 070035  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: PMV  
Lead Agency: Regional  
Program: LUST  
MTBE Code: N/A

SWEEPS UST:

Status: Not reported  
Comp Number: 16504

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A & A MARKET (FORMER) (Continued)**

**S100223761**

Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000001  
Tank Status: Not reported  
Capacity: 2000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 7

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000002  
Tank Status: Not reported  
Capacity: 3000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000003  
Tank Status: Not reported  
Capacity: 1000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A & A MARKET (FORMER) (Continued)**

**S100223761**

SWRCB Tank Id: 07-000-016504-000004  
Tank Status: Not reported  
Capacity: 2000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000005  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: EMPTY  
STG: PRODUCT  
Content: TANK IS EMPT  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000006  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: EMPTY  
STG: PRODUCT  
Content: TANK IS EMPT  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 16504  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-016504-000007  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: EMPTY  
STG: PRODUCT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A & A MARKET (FORMER) (Continued)**

**S100223761**

Content: TANK IS EMPT  
Number Of Tanks: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 070035

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0031842  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 716504

**G39**  
**ENE**  
**1/4-1/2**  
**0.290 mi.**  
**1530 ft.**

**OAKLEY BUILDERS SUPPLY**  
**800 MAIN ST**  
**OAKLEY, CA 94561**

**LUST S105035163**  
**N/A**

**Site 2 of 3 in cluster G**

**Relative:**  
**Lower**

**LUST REG 5:**

Region: 5  
Status: Case Closed  
Case Number: 070024  
Case Type: Soil only  
Substance: GASOLINE  
Staff Initials: PMV  
Lead Agency: Regional  
Program: LUST  
MTBE Code: N/A

**Actual:**  
**33 ft.**

**G40**  
**ENE**  
**1/4-1/2**  
**0.290 mi.**  
**1530 ft.**

**OAKLEY BUILDERS SUPPLY**  
**800 MAIN ST HWY 4**  
**OAKLEY, CA 94561**

**LUST U001597817**  
**HIST UST N/A**  
**HIST CORTESE**  
**CONTRA COSTA CO. SITE LIST**

**Site 3 of 3 in cluster G**

**Relative:**  
**Lower**

**LUST:**

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300758](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300758)  
Global Id: T0601300758  
Latitude: 38.0052385  
Longitude: -121.7444308  
Status: Completed - Case Closed  
Status Date: 12/02/1997  
Case Worker: VJF  
RB Case Number: 070024  
Local Agency: CONTRA COSTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY BUILDERS SUPPLY (Continued)**

**U001597817**

Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0601300758  
Contact Type: Local Agency Caseworker  
Contact Name: BRUCE BENIKI  
Organization Name: CONTRA COSTA COUNTY  
Address: Not reported  
City: r5 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0601300758  
Contact Type: Regional Board Caseworker  
Contact Name: VERA J. FISCHER  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)  
Address: 11020 SUN CENTER DRIVE #200  
City: RANCHO CORDOVA  
Email: vera.fischer@waterboards.ca.gov  
Phone Number: Not reported

LUST:

Global Id: T0601300758  
Action Type: Other  
Date: 08/19/1987  
Action: Leak Reported

LUST:

Global Id: T0601300758  
Status: Open - Case Begin Date  
Status Date: 08/19/1987

Global Id: T0601300758  
Status: Open - Site Assessment  
Status Date: 08/19/1987

Global Id: T0601300758  
Status: Completed - Case Closed  
Status Date: 12/02/1997

HIST UST:

File Number: 00022B82  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022B82.pdf>  
Region: STATE  
Facility ID: 00000044676  
Facility Type: Other  
Other Type: BUILDING SUPPLY  
Contact Name: Not reported  
Telephone: 4156252358  
Owner Name: HENRY H. MERCER  
Owner Address: 800 HWY #4, P.O. BOX #196  
Owner City,St,Zip: OAKLEY, CA 94561  
Total Tanks: 0002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OAKLEY BUILDERS SUPPLY (Continued)**

**U001597817**

Tank Num: 001  
Container Num: 1  
Year Installed: 1976  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: 1/8  
Leak Detection: 10

Tank Num: 002  
Container Num: 2  
Year Installed: 1966  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: 1/8  
Leak Detection: None

Click here for Geo Tracker PDF:

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 070024

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0032297  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 744676

**H41**  
**ENE**  
**1/4-1/2**  
**0.311 mi.**  
**1642 ft.**

**CHEVRON #9-3801**  
**5433 NEROLY RD**  
**ANTIOCH, CA 94509**

**Site 1 of 4 in cluster H**

**LUST S102427224**  
**HIST CORTESE N/A**

**Relative:**  
**Lower**

**LUST:**

**Actual:**  
**32 ft.**

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300773](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300773)  
Global Id: T0601300773  
Latitude: 38.0045977692371  
Longitude: -121.751170813492  
Status: Completed - Case Closed  
Status Date: 05/29/2002  
Case Worker: VJF  
RB Case Number: 070047  
Local Agency: CONTRA COSTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-3801 (Continued)**

**S102427224**

LUST:

Global Id: T0601300773  
Contact Type: Local Agency Caseworker  
Contact Name: BRUCE BENIKI  
Organization Name: CONTRA COSTA COUNTY  
Address: Not reported  
City: r5 UNKNOWN  
Email: Not reported  
Phone Number: Not reported

Global Id: T0601300773  
Contact Type: Regional Board Caseworker  
Contact Name: VERA J. FISCHER  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)  
Address: 11020 SUN CENTER DRIVE #200  
City: RANCHO CORDOVA  
Email: vera.fischer@waterboards.ca.gov  
Phone Number: Not reported

LUST:

Global Id: T0601300773  
Action Type: ENFORCEMENT  
Date: 05/29/2002  
Action: Closure/No Further Action Letter

Global Id: T0601300773  
Action Type: ENFORCEMENT  
Date: 05/15/2001  
Action: Staff Letter

Global Id: T0601300773  
Action Type: ENFORCEMENT  
Date: 05/29/2002  
Action: Closure/No Further Action Letter

Global Id: T0601300773  
Action Type: Other  
Date: 11/23/1988  
Action: Leak Reported

LUST:

Global Id: T0601300773  
Status: Open - Case Begin Date  
Status Date: 11/23/1988

Global Id: T0601300773  
Status: Open - Site Assessment  
Status Date: 11/23/1988

Global Id: T0601300773  
Status: Completed - Case Closed  
Status Date: 05/29/2002

LUST REG 5:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-3801 (Continued)**

**S102427224**

Region: 5  
Status: Case Closed  
Case Number: 070047  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: PMV  
Lead Agency: Regional  
Program: LUST  
MTBE Code: 0

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 070047

**42**  
**ENE**  
**1/4-1/2**  
**0.341 mi.**  
**1800 ft.**

**BRIDGEHEAD INC**  
**5540 BRIDGEHEAD RD**  
**OAKLEY, CA 94561**

**LUST S101294138**  
**CHMIRS N/A**  
**HIST CORTESE**  
**CONTRA COSTA CO. SITE LIST**

**Relative:**  
**Lower**

**LUST:**

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0601300789](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300789)  
Global Id: T0601300789  
Latitude: 38.005539  
Longitude: -121.750306  
Status: Completed - Case Closed  
Status Date: 06/20/2003  
Case Worker: VJF  
RB Case Number: 070070  
Local Agency: CONTRA COSTA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**Actual:**  
**28 ft.**

**LUST:**

Global Id: T0601300789  
Contact Type: Local Agency Caseworker  
Contact Name: PAUL ANDREWS  
Organization Name: CONTRA COSTA COUNTY  
Address: 4333 PACHECO BOULEVARD  
City: MARTINEZ  
Email: pandrews@hsd.co.contra-costa.ca.us  
Phone Number: 9256462286

Global Id: T0601300789  
Contact Type: Regional Board Caseworker  
Contact Name: VERA J. FISCHER  
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)  
Address: 11020 SUN CENTER DRIVE #200  
City: RANCHO CORDOVA  
Email: vera.fischer@waterboards.ca.gov  
Phone Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BRIDGEHEAD INC (Continued)**

**S101294138**

LUST:

Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	11/08/2000
Action:	* Historical Enforcement
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	11/08/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	03/18/2002
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	05/21/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	06/20/2003
Action:	Closure/No Further Action Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	10/04/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	03/08/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	03/26/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	06/03/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	01/21/2004
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	01/02/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BRIDGEHEAD INC (Continued)**

**S101294138**

Action Type: Other  
Date: 03/23/1993  
Action: Leak Discovery

Global Id: T0601300789  
Action Type: Other  
Date: 04/09/1993  
Action: Leak Reported

Global Id: T0601300789  
Action Type: RESPONSE  
Date: 02/01/2003  
Action: Unknown

**LUST:**

Global Id: T0601300789  
Status: Open - Case Begin Date  
Status Date: 03/23/1993

Global Id: T0601300789  
Status: Open - Site Assessment  
Status Date: 03/23/1993

Global Id: T0601300789  
Status: Open - Site Assessment  
Status Date: 10/14/1997

Global Id: T0601300789  
Status: Completed - Case Closed  
Status Date: 06/20/2003

**LUST REG 5:**

Region: 5  
Status: Case Closed  
Case Number: 070070  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: PMV  
Lead Agency: Regional  
Program: LUST  
MTBE Code: 2

**CHMIRS:**

OES Incident Number: 1-5832  
OES notification: 10/15/2001  
OES Date: Not reported  
OES Time: Not reported  
**Date Completed: Not reported**  
Property Use: Not reported  
Agency Id Number: Not reported  
Agency Incident Number: Not reported  
Time Notified: Not reported  
Time Completed: Not reported  
Surrounding Area: Not reported  
Estimated Temperature: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BRIDGEHEAD INC (Continued)**

**S101294138**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Arco
Incident Date:	10/13/200112:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	10
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A hose at service station came loose and spill gasoline.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BRIDGEHEAD INC (Continued)**

**S101294138**

**HIST CORTESE:**

Region: CORTESE  
 Facility County Code: 7  
 Reg By: LTNKA  
 Reg Id: 070070

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0032382  
 Billing Status: ACTIVE, BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: HMBP: >250K-500K LBS, 0-19 EMPLOYEES  
 Region: CONTRA COSTA  
 Cupa Number: 752684

Facility ID: FA0032382  
 Billing Status: ACTIVE, BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: UNDERGROUND STORAGE TANK SITE  
 Region: CONTRA COSTA  
 Cupa Number: 752684

Facility ID: FA0032382  
 Billing Status: INACTIVE, NON-BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: HWG: LESS THAN 5 TONS/YEAR  
 Region: CONTRA COSTA  
 Cupa Number: 752684

**H43**  
**ENE**  
**1/4-1/2**  
**0.351 mi.**  
**1854 ft.**

**PG&E ANTIOCH DISTRICT MAINTENANCE STATION**  
**5400 NERLOY RD**  
**OAKLEY, CA**

**SLIC S106112408**  
**N/A**

**Site 2 of 4 in cluster H**

**Relative:**  
**Lower**

SLIC REG 5:  
 Region: 5  
 Facility Status: Remediation Completed  
 Unit: Facility is a Spill or site  
 Pollutant: TPH  
 Lead Agency: DLL  
 Date Filed: 07/23/02  
 Report Date: / /  
 Date Added: Not reported  
 Date Closed: 11/21/2003

**Actual:**  
**32 ft.**

**H44**  
**ENE**  
**1/4-1/2**  
**0.351 mi.**  
**1854 ft.**

**PG&E CORP. YARD**  
**5400 NEROLY ROAD**  
**OAKLEY, CA 94561**

**US BROWNFIELDS 1016345718**  
**FINDS N/A**

**Site 3 of 4 in cluster H**

**Relative:**  
**Lower**

US BROWNFIELDS:  
 Property Name: PG&E CORP. YARD  
 Recipient Name: Oakley, City of  
 Grant Type: Assessment

**Actual:**  
**32 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Property Number:	35-050-014
Parcel size:	2
Latitude:	38.0028
Longitude:	-121.7507
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15611
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	04/30/2004 00:00:00
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	97973701
Start Date:	10/13/2003 00:00:00
Ownership Entity:	Not reported
Completion Date:	10/13/2003 00:00:00
Current Owner:	Pacific Gas & Electric Co.
Did Owner Change:	N
Cleanup Required:	Not reported
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	farmland
Below Poverty Number:	49
Below Poverty Percent:	5.9%
Meidan Income:	1465
Meidan Income Number:	111
Meidan Income Percent:	2.6%
Vacant Housing Number:	14
Vacant Housing Percent:	20.8%
Unemployed Number:	14
Unemployed Percent:	20.8%
Property Name:	PG&E CORP. YARD
Recipient Name:	Oakley, City of
Grant Type:	Assessment
Property Number:	35-050-014
Parcel size:	2
Latitude:	38.0028
Longitude:	-121.7507
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15611
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	04/30/2004 00:00:00
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	97973701
Start Date:	04/19/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	04/19/2005 00:00:00
Current Owner:	Pacific Gas & Electric Co.
Did Owner Change:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Cleanup Required:	Not reported
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	farmland
Below Poverty Number:	49
Below Poverty Percent:	5.9%
Meidan Income:	1465
Meidan Income Number:	111
Meidan Income Percent:	2.6%
Vacant Housing Number:	14
Vacant Housing Percent:	20.8%
Unemployed Number:	14
Unemployed Percent:	20.8%
Property Name:	PG&E CORP. YARD
Recipient Name:	Oakley, City of
Grant Type:	Assessment
Property Number:	35-050-014
Parcel size:	2
Latitude:	38.0028
Longitude:	-121.7507
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15611
IC Data Access:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	04/30/2004 00:00:00
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	97973701
Start Date:	04/30/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	04/30/2005 00:00:00
Current Owner:	Pacific Gas & Electric Co.
Did Owner Change:	N
Cleanup Required:	Not reported
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

PCBs found:	Y
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	farmland
Below Poverty Number:	49

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

Below Poverty Percent:	5.9%
Meidan Income:	1465
Meidan Income Number:	111
Meidan Income Percent:	2.6%
Vacant Housing Number:	14
Vacant Housing Percent:	20.8%
Unemployed Number:	14
Unemployed Percent:	20.8%
Property Name:	PG&E CORP. YARD
Recipient Name:	Oakley, City of
Grant Type:	Assessment
Property Number:	35-050-014
Parcel size:	2
Latitude:	38.0028
Longitude:	-121.7507
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15611
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	11000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	04/30/2004 00:00:00
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	97973701
Start Date:	10/13/2003 00:00:00
Ownership Entity:	Not reported
Completion Date:	10/13/2003 00:00:00
Current Owner:	Pacific Gas & Electric Co.
Did Owner Change:	N
Cleanup Required:	Not reported
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PG&E CORP. YARD (Continued)**

**1016345718**

SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	farmland
Below Poverty Number:	49
Below Poverty Percent:	5.9%
Meidan Income:	1465
Meidan Income Number:	111
Meidan Income Percent:	2.6%
Vacant Housing Number:	14
Vacant Housing Percent:	20.8%
Unemployed Number:	14
Unemployed Percent:	20.8%

**FINDS:**

Registry ID: 110038698558

**Environmental Interest/Information System**

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**H45**  
**ENE**  
 1/4-1/2  
 0.351 mi.  
 1854 ft.

**PACIFIC GAS & ELECTRIC**  
**5400 NERLOY**  
**OAKLEY, CA**  
 Site 4 of 4 in cluster H

**SLIC S106855344**  
**N/A**

**Relative:**  
**Lower**

SLIC:

Region:	STATE
<b>Facility Status:</b>	<b>Completed - Case Closed</b>
Status Date:	03/23/2010
Global Id:	SL0601327305
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)

**Actual:**  
**32 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC (Continued)**

**S106855344**

Lead Agency Case Number: Not reported  
Latitude: 38.004239  
Longitude: -121.749912  
Case Type: Cleanup Program Site  
Case Worker: ZZZ  
Local Agency: Not reported  
RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: \* Volatile Organic Compounds (VOC)  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

46  
SW  
1/4-1/2  
0.488 mi.  
2576 ft.

**CHEVRON, HICKSON KERLEY, ANTIOCH**  
3951 OAKLEY ROAD  
ANTIOCH, CA 94509

SLIC S106230279  
CONTRA COSTA CO. SITE LIST N/A

Relative:  
Higher

SLIC:

Actual:  
54 ft.

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 05/01/2016  
Global Id: SL185922952  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Lead Agency Case Number: Not reported  
Latitude: 37.9961626797281  
Longitude: -121.767654418945  
Case Type: Cleanup Program Site  
Case Worker: AST  
Local Agency: Not reported  
RB Case Number: SL185922952  
File Location: Regional Board  
Potential Media Affected: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: \* Fertilizers, \* Metals/Heavy Metals, \* Other Spill  
Site History: Soil beneath a former pond feature contains sulfate and ammonium to at least 8 feet below ground surface. A groundwater extraction system has operated in the past.

[Click here to access the California GeoTracker records for this facility:](#)

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 08/08/2012  
Global Id: SL0601370344  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)  
Lead Agency Case Number: Not reported  
Latitude: 37.9968  
Longitude: -121.7711  
Case Type: Cleanup Program Site  
Case Worker: CDH  
Local Agency: Not reported  
RB Case Number: 1862300  
File Location: Regional Board  
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil  
Potential Contaminants of Concern: Heating Oil / Fuel Oil  
Site History: The Site is located at 3951 Oakley Road in Antioch on approximately

MAP FINDINGS

**CHEVRON, HICKSON KERLEY, ANTIOCH (Continued)**

**S106230279**

153 acres. A variety of nitrogen and sulfur based fertilizers were manufactured at the plant from 1962 to 1992. The former process area is now graded and operated as PES Towing. Approximately 40 non-operational vehicles are stored at the PES impound yard. Six active or former petroleum pipelines are located within and parallel to the Union Pacific Railroad right-of-way parallel to the south side of the former Hickson Kerley site. This includes Chevron and Texaco's former pipelines that transported heavy petroleum, crude and Bunker C fuel oil, from Bakersfield to Richmond, California. Multiple investigations have been performed at the Site to assess the extent of impacts to soil and groundwater from the agricultural chemicals. In February of 1995 an underground rail car used to store ammonium sulfide sludge residue was removed from the former process area. The groundwater monitoring wells were installed in the area to assess any potential release of chemicals associated with the former tank. Petroleum hydrocarbons were encountered in the former process area and investigations have been conducted since about 1997. Site groundwater monitoring wells were properly destroyed and MRP No. R5-2006-0813 was rescinded by a Water Board letter dated 22 September 2009. Numerous site investigations were completed including an October 2010 risk assessment findings that stated "an acceptable cancer risk for exposure to onsite soils for future hypothetical resident." An August 2011 Soil and Groundwater Management Plan for the site provides procedures and contacts in the event future activities encounter crude oil in soil or groundwater from the historical pipelines is encountered. Residual crude oil affected soil and groundwater remains in place and the extent adequately delineated. Chevron remains as the responsible party for residual crude oil leaks determined to be associated with the historical pipelines. In September 2011 Public Notice was submitted to property owners onsite and adjacent offsite locations within a 200-foot radius of affected soil/groundwater that the Water Board was considering a no further action determination for the site. Two comments received were addressed with no further comments provided. Thus, on 8 August 2012, a no further action required determination was issued to Chevron and the case closed.

[Click here to access the California GeoTracker records for this facility:](#)

Region:	STATE
<b>Facility Status:</b>	<b>Completed - Case Closed</b>
Status Date:	03/20/2012
Global Id:	SL186232981
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	37.9967714286018
Longitude:	-121.771152019501
Case Type:	Cleanup Program Site
Case Worker:	ZZZ
Local Agency:	Not reported
RB Case Number:	SL186232981
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEVRON, HICKSON KERLEY, ANTIOCH (Continued)**

**S106230279**

Click here to access the California GeoTracker records for this facility:

**SLIC REG 5:**

Region: 5  
 Facility Status: Remediation Underway  
 Unit: Facility is a Spill or site  
 Pollutant: ammonium, nitrate  
 Lead Agency: DLL  
 Date Filed: / /  
 Report Date: / /  
 Date Added: Not reported  
 Date Closed: Not reported

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0031003  
 Billing Status: INACTIVE, NON-BILLABLE  
 Program Status: CONTRA COSTA CO. SITE LIST  
 Program/Elements: UNDERGROUND STORAGE TANK SITE  
 Region: CONTRA COSTA  
 Cupa Number: 707601

**I47**  
**NNE**  
**1/2-1**  
**0.610 mi.**  
**3222 ft.**  
  
**Relative:**  
**Lower**  
  
**Actual:**  
**20 ft.**

**CHEMOURS OAKLEY**  
**6000 BRIDGEHEAD ROAD**  
**OAKLEY, CA 94561**

**Site 1 of 2 in cluster I**

**SEMS-ARCHIVE 1015732681**  
**CORRACTS CAD009151671**  
**RCRA-TSDF**  
**RCRA-LQG**  
**US FIN ASSUR**  
**2020 COR ACTION**  
**ICIS**  
**FINDS**  
**ECHO**

**SEMS Archive:**

Site ID: 901175  
 EPA ID: CAD009151671  
 Cong District: 7  
 FIPS Code: 6013  
 FF: N  
 NPL: Not on the NPL  
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**SEMS Archive Detail:**

Region: 9  
 Site ID: 901175  
 EPA ID: CAD009151671  
 Site Name: E I DUPONT DE NEMOURS & CO INC  
 NPL: N  
 FF: N  
 OU: 0  
 Action Code: VS  
 Action Name: ARCH SITE  
 SEQ: 1  
 Start Date: Not reported  
 Finish Date: 1990-09-13 00:00:00  
 Qual: Not reported  
 Current Action Lead: EPA Perf In-Hse

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Region: 9  
Site ID: 901175  
EPA ID: CAD009151671  
Site Name: E I DUPONT DE NEMOURS & CO INC  
NPL: N  
FF: N  
OU: 0  
Action Code: PA  
Action Name: PA  
SEQ: 3  
Start Date: Not reported  
Finish Date: 1990-09-13 00:00:00  
Qual: N  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 901175  
EPA ID: CAD009151671  
Site Name: E I DUPONT DE NEMOURS & CO INC  
NPL: N  
FF: N  
OU: 0  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1979-11-01 00:00:00  
Finish Date: 1979-11-01 00:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 901175  
EPA ID: CAD009151671  
Site Name: E I DUPONT DE NEMOURS & CO INC  
NPL: N  
FF: N  
OU: 0  
Action Code: SI  
Action Name: SI  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1985-03-01 00:00:00  
Qual: H  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 901175  
EPA ID: CAD009151671  
Site Name: E I DUPONT DE NEMOURS & CO INC  
NPL: N  
FF: N  
OU: 0  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1985-03-01 00:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Qual: H  
Current Action Lead: EPA Perf  
  
Region: 9  
Site ID: 901175  
EPA ID: CAD009151671  
Site Name: E I DUPONT DE NEMOURS & CO INC  
NPL: N  
FF: N  
OU: 0  
Action Code: PA  
Action Name: PA  
SEQ: 2  
Start Date: Not reported  
Finish Date: 1988-11-23 00:00:00  
Qual: D  
Current Action Lead: EPA Perf

**CORRACTS:**

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20070801  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20170501  
Action: CA340 - CMS Report Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20170801  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20050504  
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,  
Migration of Contaminated Groundwater Under Control has been verified  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20050504  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20170606

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Action: CA350 - CMS Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20170625  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20080108  
Action: CA200 - RFI Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20040709  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: PLUME 3  
Actual Date: 20130709  
Action: CA500 - CMI Workplan Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20071009  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19950210  
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

considerations  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 19950210  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20010110  
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20010110  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20010110  
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20010110  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19830110  
Action: CA150 - RFI Workplan Approved

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20041110  
Action: CA150 - RFI Workplan Approved

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: PLUME 3  
Actual Date: 20120413  
Action: CA350 - CMS Approved

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20160913  
Action: CA350 - CMS Approved  
NAICS Code(s): 56291  
Remediation Services

Original schedule date: 20160713  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: PLUME 3  
Actual Date: 20100514  
Action: CA340 - CMS Report Received  
NAICS Code(s): 56291  
Remediation Services

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20070914  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 56291  
Remediation Services

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20071217  
Action: CA160 - RFI Supplemental Information Received  
NAICS Code(s): 56291  
Remediation Services

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20030617  
Action: CA100 - RFI Imposition  
NAICS Code(s): 56291  
Remediation Services

Original schedule date: 20030717  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20141117  
Action: CA300 - CMS Workplan Approved

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20080618  
Action: CA190 - RFI Report Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20080519  
Action: CA200 - RFI Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20080502  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19840220  
Action: CA200 - RFI Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20141020  
Action: CA260 - CMS Workplan Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20070823  
Action: CA140 - RFI Workplan Notice Of Deficiency Issued  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Area Name: ESFIM  
Actual Date: 20070925  
Action: CA160 - RFI Supplemental Information Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20040726  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ESFIM  
Actual Date: 20080627  
Action: CA200 - RFI Approved  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20160128  
Action: CA340 - CMS Report Received  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20160401  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19850128  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: WESTERN/EASTERN DEV AREAS & CLINE PROP  
Actual Date: 20060430  
Action: CA999NF - Corrective Action Process Terminated, No Further Action  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20060430

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: WESTERN/EASTERN DEV AREAS & CLINE PROP  
Actual Date: 20060430  
Action: CA999NF - Corrective Action Process Terminated, No Further Action  
NAICS Code(s): 56291

Remediation Services

Original schedule date: 20060430

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: PLUME 3  
Actual Date: 20150630  
Action: CA500 - CMI Workplan Approved  
NAICS Code(s): 56291

Remediation Services

Original schedule date: 20150811

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19930630  
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary  
NAICS Code(s): 56291

Remediation Services

Original schedule date: 19930630

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19930630  
Action: CA050 - RFA Completed  
NAICS Code(s): 56291

Remediation Services

Original schedule date: 19930630

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: FLOURIDE & IRON CHLORIDE SYST.  
Actual Date: 19940630  
Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction and treatment

NAICS Code(s): 56291  
Remediation Services

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD009151671  
EPA Region: 09  
Area Name: PLUME 3  
Actual Date: 20140930

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Action: CA6500T  
NAICS Code(s): 56291  
Remediation Services  
Original schedule date: 20141030  
Schedule end date: Not reported

**RCRA-TSDF:**

Date form received by agency: 02/29/2016  
Facility name: CHEMOURS OAKLEY  
Facility address: 6000 BRIDGEHEAD ROAD  
OAKLEY, CA 94561  
EPA ID: CAD009151671  
Mailing address: MARKET STREET  
WILMINGTON, DE 19898  
Contact: KEVIN P GARON  
Contact address: MARKET STREET  
WILMINGTON, DE 19898  
Contact country: US  
Contact telephone: 704-560-6435  
Contact email: KEVIN.P.GARON@CHEMOURS.COM  
EPA Region: 09  
Land type: Private  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: CHEMOURS FC, LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/01/2015  
Owner/Op end date: Not reported  
Owner/operator name: CHEMOURS FC, LLC  
Owner/operator address: MARKET STREET  
WILMINGTON, DE 19898

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Owner/operator country: US  
Owner/operator telephone: 704-560-6435  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/01/2015  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

- . Waste code: 181
- . Waste name: Other inorganic solid waste
  
- . Waste code: 352
- . Waste name: Other organic solids
  
- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
  
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE

Historical Generators:

Date form received by agency: 03/01/2014  
Site name: DUPONT OAKLEY  
Classification: Large Quantity Generator

- . Waste code: D008
- . Waste name: LEAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

Date form received by agency: 06/27/2008  
Site name: DUPONT OAKLEY SITE  
Classification: Large Quantity Generator

- . Waste code: D008
- . Waste name: LEAD

Date form received by agency: 02/15/2002  
Site name: E. I. DUPONT DE NEMOURS & CO  
Classification: Small Quantity Generator

Date form received by agency: 02/15/2002  
Site name: E. I. DUPONT DE NEMOURS & CO  
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000  
Site name: E. I. DU PONT DE NEMOURS & CO  
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999  
Site name: E. I. DU PONT DE NEMOURS & CO  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996  
Site name: E I DUPONT DE NEMOURS & CO INC  
Classification: Large Quantity Generator

Date form received by agency: 03/14/1996  
Site name: E. I. DU PONT DE NEMOURS & CO.  
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994  
Site name: E I DUPONT DENEMOURS & CO  
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992  
Site name: E I DUPONT DE NEMOURS & COMPAN  
Classification: Large Quantity Generator

Date form received by agency: 02/25/1991  
Site name: E I DUPONT DE NEMOURS & CO INC  
Classification: Large Quantity Generator

Date form received by agency: 04/11/1990  
Site name: E.I. DUPONT DE NEMOURS & CO. INC.  
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Annual Waste Handled:

Waste code: D008  
Waste name: LEAD  
Amount (Lbs): 1481760

Waste code: D039  
Waste name: TETRACHLOROETHYLENE  
Amount (Lbs): 100

Waste code: D040  
Waste name: TRICHLOROETHYLENE  
Amount (Lbs): 100

Waste code: D043  
Waste name: VINYL CHLORIDE  
Amount (Lbs): 100

Corrective Action Summary:

Event date: 01/01/1983  
Event: INVESTIGATION IMPOSITION

Event date: 01/10/1983  
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 02/20/1984  
Event: INVESTIGATION COMPLETE

Event date: 01/28/1985  
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 03/01/1985  
Event: PA OR CERCLA INSPECTION

Event date: 09/25/1985  
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 08/24/1988  
Event: PA OR CERCLA INSPECTION

Event date: 11/23/1988  
Event: LEAD AGENCY DETERMINATION

Event date: 11/23/1988  
Event: PA OR CERCLA INSPECTION

Event date: 11/23/1988  
Event: NCAPS RANKING/PRIORITY

Event date: 11/23/1988  
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/18/1990  
Event: DEFERRAL TO ANOTHER AGENCY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Event date:	06/30/1993
Event:	RFA COMPLETED
Event date:	06/30/1993
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	06/30/1993
Event:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Event date:	06/30/1994
Event:	STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT
Event date:	01/01/1995
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	01/01/1995
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	02/10/1995
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	10/08/1997
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	10/08/1997
Event:	STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION
Event date:	10/08/1997
Event:	REFERRED TO A NON-RCRA AUTHORITY
Event date:	01/10/2001
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	01/10/2001
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	01/10/2001
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	01/10/2001
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	06/17/2003
Event:	INVESTIGATION IMPOSITION
Event date:	06/17/2003
Event:	INVESTIGATION IMPOSITION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Event date:	12/12/2003
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	02/13/2004
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	04/26/2004
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	05/04/2004
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	06/29/2004
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	07/09/2004
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	07/26/2004
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	11/10/2004
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	05/04/2005
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	05/04/2005
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	05/04/2005
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	03/22/2006
Event:	INVESTIGATION REPORT RECEIVED
Event date:	04/30/2006
Event:	CA PROCESS IS TERMINATED-NO FURTHER ACTION
Event date:	04/30/2006
Event:	CA PROCESS IS TERMINATED-NO FURTHER ACTION
Event date:	05/31/2007
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	08/01/2007
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	08/23/2007
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	08/23/2007
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	09/14/2007
Event:	INVESTIGATION WORKPLAN APPROVED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Event date:	09/25/2007
Event:	INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Event date:	10/09/2007
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	10/31/2007
Event:	CA805
Event date:	11/20/2007
Event:	INVESTIGATION REPORT RECEIVED
Event date:	12/17/2007
Event:	INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Event date:	01/08/2008
Event:	INVESTIGATION COMPLETE
Event date:	01/25/2008
Event:	CA805
Event date:	02/12/2008
Event:	CA805
Event date:	05/02/2008
Event:	INVESTIGATION REPORT RECEIVED
Event date:	05/19/2008
Event:	INVESTIGATION COMPLETE
Event date:	06/18/2008
Event:	INVESTIGATION REPORT RECEIVED
Event date:	06/27/2008
Event:	INVESTIGATION COMPLETE
Event date:	12/19/2008
Event:	INVESTIGATION REPORT RECEIVED
Event date:	05/14/2010
Event:	CMS REPORT RECEIVED
Event date:	04/13/2012
Event:	CMS COMPLETE
Event date:	07/09/2013
Event:	CMI WORKPLAN APPROVED
Event date:	09/30/2014
Event:	STABILIZATION CONSTRUCTION COMPLETED - OTHER
Event date:	10/20/2014
Event:	CMS WORKPLAN RECEIVED
Event date:	11/17/2014
Event:	CMS WORKPLAN APPROVED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Event date: 06/30/2015  
Event: CMI WORKPLAN APPROVED

Event date: 01/28/2016  
Event: CMS REPORT RECEIVED

Event date: 09/13/2016  
Event: CMS COMPLETE

Event date: 05/01/2017  
Event: CMS REPORT RECEIVED

Event date: 06/06/2017  
Event: CMS COMPLETE

Event date: Not reported  
Event: REEVALUATE IN FY

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: TSD - General Facility Standards  
Date violation determined: 02/27/2012  
Date achieved compliance: 11/20/2012  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/08/2012  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD IS-Financial Requirements  
Date violation determined: 12/17/2009  
Date achieved compliance: 05/19/2010  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/01/2010  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 09/29/2009  
Date achieved compliance: 12/17/2009  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/07/2009  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD - Financial Requirements  
Date violation determined: 08/24/2007  
Date achieved compliance: 09/07/2007  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/28/2007  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD - Financial Requirements  
Date violation determined: 09/03/2004  
Date achieved compliance: 04/13/2010  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/07/2004  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 05/14/1996  
Date achieved compliance: 05/14/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/14/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C  
Area of violation: Generators - General  
Date violation determined: 05/14/1996  
Date achieved compliance: 05/14/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/14/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J  
Area of violation: TSD - General  
Date violation determined: 05/14/1996  
Date achieved compliance: 06/14/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/14/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 09/28/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/04/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 09/28/1994  
Date achieved compliance: 09/28/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/04/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 09/28/1994  
Date achieved compliance: 09/28/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/04/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J  
Area of violation: TSD - General  
Date violation determined: 09/28/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/04/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/07/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 09/28/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/07/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J  
Area of violation: TSD - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 06/30/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 200000  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 09/28/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 06/30/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 200000  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J  
Area of violation: TSD - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/07/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 02/03/1994  
Date achieved compliance: 11/03/1994  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 06/30/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 200000  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 12/11/1990  
Date achieved compliance: 01/11/1991  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Area of violation: TSD - General  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/25/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E  
Area of violation: TSD - General  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/25/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/25/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 11/27/1989  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E  
Area of violation: TSD - General  
Date violation determined: 11/27/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 11/30/1988  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 11/30/1988  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/30/1988  
Date achieved compliance: 01/11/1991  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/30/1988  
Date achieved compliance: 01/11/1991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/30/1988  
Date achieved compliance: 01/11/1991  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/06/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 11/30/1988  
Date achieved compliance: 12/11/1990  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/06/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H  
Area of violation: TSD - Financial Requirements  
Date violation determined: 11/01/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/28/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 03/31/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/03/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 03/31/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 03/31/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268.7  
Area of violation: LDR - General  
Date violation determined: 03/31/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/03/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/03/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY  
Enforcement action date: 09/11/1991  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/03/1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/29/1988  
Date achieved compliance: 03/21/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/03/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/23/2017  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/13/2017  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/13/2016  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/06/2014  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/16/2014  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 07/09/2012  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Evaluation date: 02/27/2012  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General Facility Standards  
Date achieved compliance: 11/20/2012  
Evaluation lead agency: State

Evaluation date: 10/07/2011  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/30/2011  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/19/2010  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/17/2009  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD IS-Financial Requirements  
Date achieved compliance: 05/19/2010  
Evaluation lead agency: State

Evaluation date: 12/17/2009  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/29/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: 12/17/2009  
Evaluation lead agency: State

Evaluation date: 08/24/2007  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 09/07/2007  
Evaluation lead agency: State

Evaluation date: 06/27/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/20/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/30/2005  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 09/03/2004  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 04/13/2010  
Evaluation lead agency: State

Evaluation date: 06/24/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/02/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/14/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 06/14/1996  
Evaluation lead agency: State

Evaluation date: 05/14/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 05/14/1996  
Evaluation lead agency: State

Evaluation date: 08/30/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 11/03/1994  
Evaluation lead agency: State

Evaluation date: 08/30/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 11/03/1994  
Evaluation lead agency: State

Evaluation date: 08/30/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 09/28/1994  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Evaluation date: 11/18/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 11/03/1994  
Evaluation lead agency: State

Evaluation date: 11/18/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 09/28/1994  
Evaluation lead agency: State

Evaluation date: 11/18/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 11/03/1994  
Evaluation lead agency: State

Evaluation date: 10/01/1992  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/10/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 07/23/1992  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/23/1992  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/18/1990  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/11/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 01/11/1991  
Evaluation lead agency: State

Evaluation date: 11/27/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Date achieved compliance: 12/11/1990  
Evaluation lead agency: State

Evaluation date: 11/27/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 12/11/1990  
Evaluation lead agency: State

Evaluation date: 11/21/1989  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/30/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 01/11/1991  
Evaluation lead agency: State

Evaluation date: 11/30/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 12/11/1990  
Evaluation lead agency: State

Evaluation date: 11/01/1988  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 03/21/1989  
Evaluation lead agency: State

Evaluation date: 06/14/1988  
Evaluation: GROUNDWATER MONITORING EVALUATION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/31/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 03/21/1989  
Evaluation lead agency: State

Evaluation date: 03/29/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 03/21/1989  
Evaluation lead agency: State

Evaluation date: 03/29/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 03/21/1989  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Evaluation date: 03/29/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 03/21/1989  
Evaluation lead agency: State

Evaluation date: 11/02/1987  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**US FIN ASSUR:**

EPA ID: CAD009151671  
Provider: FIDELITY & DEPOSIT CO OF MARYLAND  
EPA region: 9  
County: Not reported  
Mechanism type: SURETY BOND GUARANTEEING PERFORMANCE  
Mechanism ID: LPM9109783  
Cost estimate: 15000000  
Face value: 18069306  
Effective date: 2015-07-01 00:00:00

EPA ID: CAD009151671  
Provider: CITIBANK N.A.  
EPA region: 9  
County: Not reported  
Mechanism type: STANDBY TRUST  
Mechanism ID: 115355  
Cost estimate: 15000000  
Face value: 0  
Effective date: 2015-12-02 00:00:00

EPA ID: CAD009151671  
Provider: FIDELITY AND DEPOSIT CO. OF MARYLAND AND ZURICH AMERICAN INSURANCE  
EPA region: 9  
County: Not reported  
Mechanism type: SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND  
Mechanism ID: LPM9109783  
Cost estimate: 18069306  
Face value: 18069306  
Effective date: 2015-07-01 00:00:00

EPA ID: CAD009151671  
Provider: CITIBANK N.A.  
EPA region: 9  
County: Not reported  
Mechanism type: STANDBY TRUST  
Mechanism ID: 115355  
Cost estimate: 18069306  
Face value: 0  
Effective date: 2015-12-02 00:00:00

**2020 COR ACTION:**

EPA ID: CAD009151671  
Region: 9  
Action: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

ICIS:

Enforcement Action ID: 09-2000-0294  
FRS ID: 110042051221  
Action Name: DUPONT INCORPORATED  
Facility Name: DU PONT ANTIOCH WORKS  
Facility Address: 6000 BRIDGEHEAD RD.  
OAKLEY, CA 945612490  
Enforcement Action Type: EPCRA 325 Action For Penalty  
Facility County: CONTRA COSTA  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 325  
Facility SIC Code: Not reported  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 38.013151  
Longitude in Decimal Degrees: -121.745763  
Permit Type Desc: Not reported  
Program System Acronym: 24773  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS  
Address: 6000 BRIDGEHEAD ROAD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 2816

**FINDS:**

Registry ID: 110042051221

**Environmental Interest/Information System**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEMOURS OAKLEY (Continued)**

**1015732681**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1015732681  
 Registry ID: 110042051221  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042051221>

**I48**  
**NNE**  
**1/2-1**  
**0.610 mi.**  
**3222 ft.**

**E.I. DUPONT DE NEMOURS & CO.**  
**6000 BRIDGEHEAD RD**  
**ANTIOCH, CA 94509**  
 Site 2 of 2 in cluster I

**Relative:**  
**Lower**

**Actual:**  
**20 ft.**

**ENVIROSTOR** **S101580703**  
**LUST** **N/A**  
**SLIC**  
**SWEEPS UST**  
**CA FID UST**  
**ENF**  
**Financial Assurance**  
**ICE**  
**HIST CORTESE**  
**HWP**  
**NPDES**  
**CONTRA COSTA CO. SITE LIST**

ENVIROSTOR:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Facility ID: 7280084  
Status: Refer: RCRA  
Status Date: 05/20/2009  
Site Code: Not reported  
Site Type: Corrective Action  
Site Type Detailed: Corrective Action  
Acres: 378  
NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: DTSC  
Program Manager: Not reported  
Supervisor: Rizgar Ghazi  
Division Branch: Cleanup Berkeley  
Assembly: 11  
Senate: 07  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.01290  
Longitude: -121.7495  
APN: NONE SPECIFIED  
Past Use: HAZARDOUS WASTE TREATMENT, MANUFACTURING - CHEMICALS  
Potential COC: Arsenic Lead Vanadium and compounds TPH-MOTOR OIL TPH-diesel TPH-gas  
\* HYDROCARBON SOLVENTS 1,1,1-Trichloroethane (TCA 1,1-Dichloroethane  
1,1-Dichloroethylene Carbon tetrachloride Tetrachloroethylene (PCE  
Trichloroethylene (TCE Vinyl chloride Freon 113 Lead, Organic  
(tetraethyl lead  
Confirmed COC: Arsenic Tetrachloroethylene (PCE TPH-diesel TPH-gas  
1,1,1-Trichloroethane (TCA 1,1-Dichloroethane Lead, Organic  
(tetraethyl lead Carbon tetrachloride TPH-MOTOR OIL Vanadium and  
compounds Trichloroethylene (TCE 1,1-Dichloroethylene Vinyl chloride  
Lead \* HYDROCARBON SOLVENTS Freon 113  
Potential Description: OTH, SED, SOIL, SV, SURFW  
Alias Name: Not reported  
Alias Type: Not reported  
Completed Info:  
Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported  
Facility ID: 80001610  
Status: Active  
Status Date: 01/01/2008  
Site Code: 200165

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Site Type: Corrective Action  
Site Type Detailed: Corrective Action  
Acres: 378  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: WM  
Program Manager: Carrie Tatoian-Cain  
Supervisor: Ajit Vaidya  
Division Branch: Engineering & Special Projects  
Assembly: 11  
Senate: 07  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.01290  
Longitude: -121.7495  
APN: 037020009, 037020010, 037020014, 037020015, 037020016, 037020017, 037020018, 037020019, 037020020, 037020021, 037020022  
Past Use: HAZARDOUS WASTE TREATMENT, MANUFACTURING - CHEMICALS  
Potential COC: Arsenic Lead Vanadium and compounds TPH-diesel TPH-gas  
1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Carbon tetrachloride Tetrachloroethylene (PCE Trichloroethylene (TCE Freon 113  
Confirmed COC: Arsenic Tetrachloroethylene (PCE TPH-diesel TPH-gas  
1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Carbon tetrachloride Vanadium and compounds Trichloroethylene (TCE Lead Freon 113  
Potential Description: OTH, SED, SOIL, SV  
Alias Name: Dupont Oakley Site  
Alias Type: Alternate Name  
Alias Name: 037020009  
Alias Type: APN  
Alias Name: 037020010  
Alias Type: APN  
Alias Name: 037020014  
Alias Type: APN  
Alias Name: 037020015  
Alias Type: APN  
Alias Name: 037020016  
Alias Type: APN  
Alias Name: 037020017  
Alias Type: APN  
Alias Name: 037020018  
Alias Type: APN  
Alias Name: 037020019  
Alias Type: APN  
Alias Name: 037020020  
Alias Type: APN  
Alias Name: 037020021  
Alias Type: APN  
Alias Name: 037020022  
Alias Type: APN  
Alias Name: CAD009151671  
Alias Type: EPA Identification Number  
Alias Name: SL0601340233  
Alias Type: GeoTracker Global ID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Alias Name: 200165  
Alias Type: Project Code (Site Code)  
Alias Name: 80001610  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Technical Report  
Completed Date: 08/15/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/28/2012  
Comments: Approved Attachment 7

Completed Area Name: Focus Area 4 (FA-4)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 08/01/2012  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/09/2012  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/24/2012  
Comments: Approved

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 06/05/2012  
Comments: Completed and Posted to Newspaper

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 06/05/2012  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Fact Sheets  
Completed Date: 10/22/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/03/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measure Implementation Workplan  
Completed Date: 07/25/2012  
Comments: Not reported

Completed Area Name: Post Closure Permit  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Manual  
Completed Date: 12/06/2012  
Comments: O&M Plan Approved by EERP and ESPO

Completed Area Name: Focus Area 3 (FA-3)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 01/21/2014  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 06/19/2013  
Comments: Phase 3 RFI Report is approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Corrective Measure Implementation Workplan  
Completed Date: 10/15/2013  
Comments: Not reported

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Monitoring Report  
Completed Date: 12/11/2012  
Comments: Report Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/09/2013  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/05/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Health & Safety Plan  
Completed Date: 10/31/2012  
Comments: HASP Approved. RP to send AHA before each field task begins.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Sub Area Name: Plume 1  
Completed Document Type: Technical Report  
Completed Date: 12/03/2012  
Comments: This report is preliminary information purposes only - does not need DTSC approval

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 02/28/2013  
Comments: PCLs approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 03/28/2013  
Comments: Not reported

Completed Area Name: Post Closure Permit  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 04/26/2013  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 02/15/2013  
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/26/2013  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Corrective Measure Implementation Workplan  
Completed Date: 07/09/2013  
Comments: Not reported

Completed Area Name: Post Closure Permit  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 08/07/2013  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/30/2013  
Comments: Not reported

Completed Area Name: Focus Area 2 (FA-2)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 02/17/2015  
Comments: Not reported

Completed Area Name: Focus Area 4 (FA-4)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 01/15/2016  
Comments: Chemours responded to all of DTSC comments. The Document was approved as final

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 12/10/2013  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 12/01/2014  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 03/25/2014  
Comments: Document Final

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 03/05/2015  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 2  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 12/16/2015  
Comments: Not reported

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Technical Report  
Completed Date: 09/05/2014  
Comments: Document Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/18/2013  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 2  
Completed Document Type: Technical Report  
Completed Date: 11/19/2013  
Comments: No Comments or approval necessary from DTSC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 11/13/2013  
Comments: Approved

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Health & Safety Plan  
Completed Date: 10/16/2013  
Comments: Complete

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 01/21/2014  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 06/05/2014  
Comments: Approved

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Financial Assurance Documentation  
Completed Date: 03/17/2015  
Comments: Dupont submitted their FA package to FA unit on 3/30/2015

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Monitoring Report  
Completed Date: 11/06/2014  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Interim Measures Implementation Report  
Completed Date: 09/30/2014  
Comments: Approved

Completed Area Name: Focus Area 4 (FA-4)  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 09/30/2014  
Comments: Approved

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Workplan  
Completed Date: 11/17/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 11/24/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 04/07/2015  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Corrective Measure Implementation Workplan  
Completed Date: 06/30/2015  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 2  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 04/15/2015  
Comments: This document is for information only. This treatability study is a DuPont Corporate wide study to continue DuPont s efforts to develop innovative technologies that might be used to treated hazardous substances on their former manufacturing facilities. The results of the study may or may not result in this technology being applied at the Oakley Facility.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 08/05/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 06/12/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/23/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/06/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/16/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/26/2015  
Comments: This document describes a bench scale test that is being done corporate wide and does not need DTSC approval.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/26/2015  
Comments: These document pertains to the WDRs and is a DTCS courtesy copy.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/30/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/13/2015  
Comments: Document has been completed, revision 15 will be sent to us in July 2016.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Report  
Completed Date: 09/13/2016  
Comments: The document was completed and the CEQA process has started.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/11/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Report  
Completed Date: 06/06/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/15/2016  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 10/04/2016  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Document Type: Remedial Action Completion Report  
Completed Date: 10/04/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/05/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/08/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 01/05/2016  
Comments: 2016 Health & Safety Plan

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/27/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/08/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/04/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 02/26/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Financial Assurance Documentation  
Completed Date: 04/07/2016  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 06/30/2016  
Comments: completed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 08/23/2016  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 09/15/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/21/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/20/2017  
Comments: The Technical was accepted by DTSC after requested revisions were made by Chemours

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/13/2015  
Comments: Cost Estimate was completed and signed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Groundwater Migration Controlled  
Completed Date: 05/04/2005  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 12/01/2009  
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 03/02/2010  
Comments: Report conditionally approved

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/21/2016  
Comments: Cost Estimate is complete.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Document Type: Correspondence  
Completed Date: 07/18/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Initial Study/ Neg. Declaration  
Completed Date: 12/17/2012  
Comments: minor comment, no public objections.

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: AOPC 2.5 - Pigment Evaporation Basin  
Completed Document Type: Technical Report  
Completed Date: 06/15/2009  
Comments: Chracterization of Brick Samples Complete

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/15/2009  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 06/10/2009  
Comments: This approval paves the path for the issuance of the final DFA1 release report that will address additional media (such as groundwater) and exposure pathways (e.g. vapor intrusion into buildings).

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/13/2009  
Comments: First Draft of this report acceptable. DTSC Approved.

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Technical Report  
Completed Date: 08/04/2009  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/10/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/17/2010  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: SWMU 4.19, SWMU 4.20 - South and North Retention Ponds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Document Type: Technical Workplan  
Completed Date: 06/12/2009  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: ESFIM  
Completed Document Type: Technical Report  
Completed Date: 06/27/2008  
Comments: Exploratory Sampling and Focused Intermim Measures Report Approval

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 09/14/2007  
Comments: Phase 2 Soil Sampling Report NOD

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 01/08/2008  
Comments: Phase 2 groundwater RFI MIP (Membrane interface probe) Report Approved. cs 7/10/08

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/25/2008  
Comments: Ponds and Basins Backfill Soil Sampling Plan

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/31/2007  
Comments: 2007 Semi-Annual Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/12/2008  
Comments: Groundwater Monitoring Data Evaluation Plan Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 11/10/2004  
Comments: Phase 1 Groundwater RFT Workplan approved. cs 7/10/08

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 05/19/2008  
Comments: Phase I Groundwater RFI Report - DTSC Approval Letter

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Interim Measures Implementation Report  
Completed Date: 09/25/1985

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 02/20/1984  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 03/01/1985  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 08/24/1988  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 07/09/2004  
Comments: Phase 1 soil RFI

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: ESFIM  
Completed Document Type: Technical Workplan  
Completed Date: 10/16/2007  
Comments: Revised ESFIM Work Plan Approval Letter

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: ESFIM  
Completed Document Type: Technical Workplan  
Completed Date: 12/28/2007  
Comments: Approval of addendum to the ESFIM workplan. cs 9/25/08

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: ESFIM  
Completed Document Type: Technical Workplan  
Completed Date: 10/01/2007  
Comments: RTC approval letter for ESFIM Work Plan

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Interim Measures Workplan  
Completed Date: 01/28/1985  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 01/10/1983  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 07/26/2004  
Comments: Phase 2 groundwater RFI MIP (Membrane interface probe) Workplan approved. cs 7/10/08

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 11/23/1988  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 11/03/2009  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/05/2010  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Workplan  
Completed Date: 09/09/2010  
Comments: DTSC approves of Abnridged CMS WP and acknowledges no formal Wp necessary

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 11/17/2009  
Comments: This Report is a Data Presentation only. DTSC acknowledges receipt.

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht Harbor  
Completed Document Type: Technical Report  
Completed Date: 08/12/2009  
Comments: Final Scoping Level Ecological Report for SJR, LB, and LYH Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/09/2009  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/16/2010  
Comments: DTSC Approval of 2009 Annual GWMR

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/07/2009  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/27/2009  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/18/2009  
Comments: Final Surface Water Monitoring Plan Accepted

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/13/2009  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/09/2010  
Comments: Report Accepted

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: SWMU 4.2 West Basin  
Completed Document Type: Technical Report  
Completed Date: 01/28/2010  
Comments: The Report is acceptable. No revisions necessary. There are conditions that need to be addressed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/12/2010  
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/31/2010  
Comments: Work Plan and Responses to Comments with Updated Figures Approved as Final WP on 8/31/2010

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 07/09/2010  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Harbor  
Completed Document Type: Risk Assessment Report  
Completed Date: 03/16/2010  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 05/12/2010  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht Harbor  
Completed Document Type: Risk Assessment Report  
Completed Date: 04/22/2010  
Comments: Final SLERA for LB, LYH, and SJR. Includes previously approved SLERA and Sediment Sampling Addendum. No further eco study needed for LB, SJR seds, and LYH.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Other Report  
Completed Date: 05/03/2010  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel  
Completed Document Type: Technical Workplan  
Completed Date: 05/18/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/28/2010  
Comments: Preliminary Report Approved w/comments for Final Air Sampling Report

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/02/2010  
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: SWMU 4.2 West Basin  
Completed Document Type: Technical Workplan  
Completed Date: 07/14/2010  
Comments: Not reported

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Technical Workplan  
Completed Date: 02/01/2011  
Comments: Not reported

Completed Area Name: Focus Area 3 (FA-3)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/15/2011  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel  
Completed Document Type: Risk Assessment Report  
Completed Date: 01/10/2011  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel  
Completed Document Type: Technical Report  
Completed Date: 09/30/2010  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/11/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/10/2011  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/23/2010  
Comments: Report acceptable. Recommendation require clarification for subsequent reports

Completed Area Name: SOIL INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SWMU 4.2 West Basin  
Completed Document Type: Technical Report  
Completed Date: 10/25/2010  
Comments: Completed

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 09/27/2010  
Comments: WP Approved by DTSC

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 09/28/2010  
Comments: Draft Work Plan Accepted as Final by DTSC

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Technical Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 03/21/2011  
Comments: Completed WP for Plume 3 SG&GW Characterization Plume

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Technical Workplan  
Completed Date: 04/04/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 01/28/2011  
Comments: This Report is an acknowledgement that the data can be used for an upcoming comprehensive ambient air report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 01/31/2011  
Comments: This report is a acknowledgement that the data can be used for a comprehensive ambient air sample report.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 2  
Completed Document Type: Technical Workplan  
Completed Date: 04/11/2011  
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/06/2011  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/11/2011  
Comments: FA-1 Supplemental Report Approved

Completed Area Name: SOIL INVESTGATION AND REMEDIATION  
Completed Sub Area Name: SWMU 4.38 RCRA Container Storage Building  
Completed Document Type: Other Report  
Completed Date: 02/07/2011  
Comments: SWMU 4.38 - Clean-up activities completed in early 2000

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/03/2011  
Comments: Plant Tissue Sampling report will be used to assess Phytoremediation as a remedial technology for VOCs in the Surficial Aquifer.

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 04/05/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 03/08/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Corrective Measures Study Report  
Completed Date: 04/13/2012  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/02/2011  
Comments: Not reported

Completed Area Name: Focus Area 2 (FA-2)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 05/23/2011  
Comments: Report was completed and approved by DTSC. Additional Samples will be collected during FA-3 sampling efforts. An FA-2 RFI report is scheduled to be submitted on 9/10/2012.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/20/2011  
Comments: Approved

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/05/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 12/15/2011  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/26/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 01/25/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Comments: Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: Technical Report  
Completed Date: 02/27/2012  
Comments: Not reported

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Technical Report  
Completed Date: 08/15/2012  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 11/29/2012  
Comments: Focus Area 1 is determined Corrective Action Complete without controls  
Not reported

Completed Area Name: Off-Site Investigations  
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina  
Completed Document Type: Technical Report  
Completed Date: 05/09/2012  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/06/2011  
Comments: Report Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Technical Workplan  
Completed Date: 09/12/2011  
Comments: Completed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/14/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 09/23/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 1  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 11/21/2011  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/16/2011  
Comments: Approved

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/27/2011  
Comments: Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 01/27/2012  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 2  
Completed Document Type: Technical Report  
Completed Date: 02/27/2012  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/02/2010  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 12/13/2011  
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 01/03/2012  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel  
Completed Document Type: Corrective Measures Study Report  
Completed Date: 01/20/2012  
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 01/03/2012  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 02/21/2012  
Comments: REport is technically complete

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Human Exposure Controlled  
Completed Date: 01/10/2001  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedy Selection and Statement of Basis  
Completed Date: 07/16/2012  
Comments: SOB Complete- CMS Remedy approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION  
Completed Sub Area Name: Plume 3  
Completed Document Type: CEQA - Initial Study/ Neg. Declaration  
Completed Date: 08/27/2013  
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project  
Completed Sub Area Name: SWMU 4.19, SWMU 4.20 - South and North Retention Ponds  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 07/16/2012  
Comments: Final GRT NOE, No changes following Public Comment Period necessary

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 04/08/2013  
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Action Completion Determination  
Completed Date: 04/08/2013  
Comments: Final SOB Complete - No public comments

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 02/28/2013  
Comments: Final

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Interim Measures Questionnaire  
Completed Date: 10/08/1997  
Comments: GW PLUME DISCOVERED TO BE MOVING BEYOND EXTRACTION SYSTEM....ACTIONS SHOULD BE TAKEN TO CORRECT THIS SITUATION. RSARACINO 19971110.14:27S

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RCRA Facility Assessment Report  
Completed Date: 06/30/1993  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: Western/Eastern Dev Areas & Cline Prop  
Completed Document Type: No Further Action Letter  
Completed Date: 04/30/2006  
Comments: Western Development Area and Cline Property

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: Western/Eastern Dev Areas & Cline Prop  
Completed Document Type: \* CA Process is Terminated  
Completed Date: 04/30/2006  
Comments: Western and Eastern Areas and Cline Property - No Further Action

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 05/08/2013  
Comments: Courtesy Copy of MND for Outfall Removal

Completed Area Name: Focus Area 1 (FA-1)  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Action Completion Determination  
Completed Date: 04/08/2013  
Comments: Corrective Action Complete Without Controls for FA1

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Interim Measures Questionnaire  
Completed Date: 02/10/1995  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Order  
Completed Date: 01/01/1983  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)  
Completed Date: 07/20/1994  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 12/12/2014  
Comments: Completed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 09/08/2014  
Comments: All work has been completed and all documents have been uploaded

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 06/17/2003  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 03/21/2016  
Comments: Revised project action plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 04/07/2015  
Comments: This is the annual project schedule

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 09/15/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/08/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Interim Measures Implementation Report  
Completed Date: 09/16/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/22/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/02/2016  
Comments: Report was reviewed and accepted

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/20/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/11/2017  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 09/27/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/09/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/07/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 02/09/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 06/30/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/29/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/07/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 10/10/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 02/04/2015  
Comments: Dupont's PM signed 14/15 Cost estimate for DTSC Oversight.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Completed Date: 05/18/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Groundwater Migration Controlled  
Completed Date: 01/10/2001  
Comments: Not reported

Future Area Name: Focus Area 4 (FA-4)  
Future Sub Area Name: Not reported  
Future Document Type: Remedy Selection and Statement of Basis  
Future Due Date: 2018

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Remedy Constructed  
Future Due Date: 2021

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Remedial Action Completion Report  
Future Due Date: 2019

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Corrective Measure Implementation Workplan  
Future Due Date: 2019

Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Public Notice  
Schedule Due Date: 05/11/2018  
Schedule Revised Date: Not reported  
Schedule Area Name: Focus Area 4 (FA-4)  
Schedule Sub Area Name: Not reported  
Schedule Document Type: CEQA - Initial Study/ Neg. Declaration  
Schedule Due Date: 06/29/2018  
Schedule Revised Date: Not reported

**LUST REG 5:**

Region: 5  
Status: Remedial action (cleanup) Underway  
Case Number: 070004  
Case Type: Drinking Water Aquifer affected  
Substance: UNLEAD GASOLINE  
Staff Initials: MWC  
Lead Agency: Regional  
Program: LUST  
MTBE Code: N/A

**SLIC:**

Region: STATE  
**Facility Status:** Open - Remediation  
Status Date: 05/01/2001  
Global Id: T0601300745  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Lead Agency Case Number: Not reported  
Latitude: 38.0121453  
Longitude: -121.7508293

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Case Type: Cleanup Program Site  
Case Worker: NC  
Local Agency: CONTRA COSTA COUNTY  
RB Case Number: 070004  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Please refer to Global ID SL0601340233.

[Click here to access the California GeoTracker records for this facility:](#)

Region: STATE  
**Facility Status: Open - Remediation**  
Status Date: 12/17/2004  
Global Id: SL0601340233  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Lead Agency Case Number: 80001610  
Latitude: 38.0122548121086  
Longitude: -121.750568423279  
Case Type: Cleanup Program Site  
Case Worker: NC  
Local Agency: Not reported  
RB Case Number: SL0601340233  
File Location: Regional Board  
Potential Media Affected: Other Groundwater (uses other than drinking water), Surface water  
Potential Contaminants of Concern: \* Chlorinated Solvents - PCE, \* Chlorinated Solvents - TCE, \* Other Spill, \* Semi-Volatile Organic Compounds, \* Volatile Organic Compounds (VOC)  
Site History: This is a DTSC lead Agency Site.

[Click here to access the California GeoTracker records for this facility:](#)

**SWEEPS UST:**

Status: Not reported  
Comp Number: 8471  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-008471-000002  
Tank Status: Not reported  
Capacity: 6988  
Active Date: Not reported  
Tank Use: CHEMICAL  
STG: PRODUCT  
Content: UNKNOWN  
Number Of Tanks: 5

Status: Not reported  
Comp Number: 8471  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-008471-000003  
Tank Status: Not reported  
Capacity: 25000  
Active Date: Not reported  
Tank Use: CHEMICAL  
STG: PRODUCT  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 8471  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-008471-000004  
Tank Status: Not reported  
Capacity: 1000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 8471  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-008471-000005  
Tank Status: Not reported  
Capacity: 515  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 8471  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 07-000-008471-000006  
Tank Status: Not reported  
Capacity: 5000  
Active Date: Not reported  
Tank Use: M.V. FUEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 07000002  
Regulated By: UTNKA  
Regulated ID: CAD009151  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4157571210  
Mail To: Not reported  
Mailing Address: 6000 BRIDGEHEAD RD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: ANTIOCH 94509  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

ENF:

Region: 5S  
Facility Id: 205916  
Agency Name: Not reported  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: Industrial  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: Not reported  
Place Longitude: Not reported  
SIC Code 1: 2816  
SIC Desc 1: Inorganic Pigments  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Enf Action  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported

Map ID  
 Direction  
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	231492
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	03/27/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-03-29
Termination Date:	03/27/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 03/27/2000 for Antioch Facility
Description:	Discharger investigated wastestreams which make up combined effluent and found no source of 1,2 dichloroethane. Discharger has initiated a 'pre-sampling' strategy to characterize effluent prior to discharge to San Joaquin River.
Program:	NPDESWW
Latest Milestone Completion Date:	2000-03-29
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Total \$ Paid/Completed Amount:	0
Region:	5S
Facility Id:	205916
Agency Name:	E.I. du Pont de Nemours & Co.
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2816
SIC Desc 1:	Inorganic Pigments
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1.2
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072038001
Reg Measure Id:	141270
Reg Measure Type:	NPDES Permits
Region:	5S
Order #:	94-331
Npdes# CA#:	CA0004936
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/24/2012
Effective Date:	12/09/1994
Expiration/Review Date:	05/01/1999
Termination Date:	06/13/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

Map ID  
 Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	364674
Region:	5S
Order / Resolution Number:	R5-2008-0596
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/10/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/21/2009
ACL Issuance Date:	11/10/2008
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2008-0596 for E I Du Pont De Nemours & Co
Description:	MMP Complaint issued in the amount of \$9,000 for 3 serious effluent limitation violations from 1/1/2000 to 4/30/2008.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2009-02-04
# Of Programs1:	1
Total Assessment Amount:	9000
Initial Assessed Amount:	9000
Liability \$ Amount:	9000
Project \$ Amount:	0
Liability \$ Paid:	9000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	9000

CA Financial Assurance 1:

EPA ID Number:	CAD009151671
Sudden Amount1:	Not reported
Non Sudden Amount1:	Not reported
Closure Mechanism:	Not reported
Closure Amount:	Not reported
Post Closure Mechanism:	SB
Post Closure Amount:	\$18,905,463.00
Corrective Action Mechanism:	Not reported
Corrective Action Amount:	Not reported
Sudden Mechanism Type:	Not reported
Sudden Mechanism Amount:	Not reported
Non Sudden Mechanism Type:	Not reported
Non Sudden Mechanism Amount:	Not reported
O and M Mechanism Type:	Not reported
O and M Amount:	Not reported
Closure Mechanism Date of Mechanism:	Not reported
Closure Mechanism Renewal Date:	Not reported
Closure Mechanism Provider:	Not reported
Postclosure Mechanism Date of Mechanism:	7/1/2015
Postclosure Mechanism Renewal Date:	Not reported
Postclosure Mechanism Provider:	Fidelity and Deposit Company of Maryland & Zurich American Insurance Company
O and M Mechanism Date of Mechanism:	Not reported
O and M Mechanism Renewal Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

O and M Mechanism Provider: Not reported  
Corrective Action Mechanism Date of Mechanism: Not reported  
Corrective Action Mechanism Renewal Date: Not reported  
Corrective Action Mechanism Provider: Not reported  
Sudden Mechanism Date of Mechanism: Not reported  
Sudden Mechanism Renewal Date: Not reported  
Sudden Mechanism Provider: Not reported  
Non-Sudden Mechanism Date of Mechanism: Not reported  
Non-Sudden Mechanism Renewal Date: Not reported  
Non-Sudden Mechanism Provider: Not reported  
Date Entered into EnviroStor: 2016-03-28 00:00:00  
Authorization Type: Post Closure Permit  
Comments: STA #115355 as of 12/02/2015

ICE:

Envirostor ID: 3002141  
EPA ID: CAD009151671  
Site Type: INSPECTION  
Facility Status: No Action

Inspection:

Action Type: Financial Records Review - Post-closure  
Action Date: 12/17/2009  
Violation Class: Class 1  
RTC Date: 05/19/2010

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 06/27/2007  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 06/24/2004  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Financial Records Review - Post-closure  
Action Date: 08/24/2007  
Violation Class: Class 2, Minor  
RTC Date: 09/07/2007

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 06/30/2011  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Financial Records Review - Post-closure  
Action Date: 10/07/2011  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 09/29/2009  
Violation Class: Class 2  
RTC Date: 12/17/2009

Action Type: Financial Records Review - Post-closure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Action Date: 09/03/2004  
Violation Class: Class 2  
RTC Date: 04/13/2010

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 02/27/2012  
Violation Class: Minor  
RTC Date: 11/20/2012

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 01/16/2014  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Financial Records Review - Post-closure  
Action Date: 07/09/2012  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Financial Records Review - Post-closure  
Action Date: 05/06/2014  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-closure  
Action Date: 02/13/2017  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Financial Records Review - Post-closure  
Action Date: 02/23/2017  
Violation Class: No Violations  
RTC Date: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 7  
Reg By: LTNKA  
Reg Id: 070004

**HWP:**

EPA Id: CAD009151671  
Cleanup Status: POST CLOSURE PERMIT  
Latitude: 38.01290  
Longitude: -121.7495  
Facility Type: Post-Closure Permitted  
Facility Size: Large Postclosure  
Team: MUZHDA FEROUZ  
Supervisor: RAMINDER BOLA  
Site Code: 200165, 22120  
Assembly District: 11  
Senate District: 07  
Public Information Officer: Not reported  
Public Information Officer: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Activities:

EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	01/07/2022
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	06/25/2015
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	12/10/2013
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	CONTAIN1, TANKSTR1, TANKSTR2
Event Description:	Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	02/26/1993
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	05/24/1982
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	CONTAIN1, TANKSTR1, TANKSTR2
Event Description:	Renewal - Historical - APPLICATION PART A RECEIVED
Actual Date:	11/19/1980
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	02/26/2015
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date:	12/23/2014
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	04/09/1982
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Unit Names: Not reported  
Event Description: \*Mod Class 1\* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)  
Actual Date: 07/01/2015

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, TANKSTR1, TANKSTR2  
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED  
Actual Date: 02/26/1993

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: Not reported  
Event Description: \*Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE  
Actual Date: 12/29/2014

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: Not reported  
Event Description: \*Mod Class 1\* - Prior Approval Required - DISCLOSURE (CLEARED)  
Actual Date: 05/21/2015

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: Not reported  
Event Description: \*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)  
Actual Date: 02/26/2015

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: Not reported  
Event Description: \*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)  
Actual Date: 12/10/2013

Closure:  
EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - RESPONSE TO 1ST NOD RECEIVED  
Actual Date: 12/22/2009

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)  
Actual Date: 10/16/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT  
Actual Date: 12/07/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFSTR1 (GPRA Unit)  
Event Description: Closure - CLOSURE PLAN RECEIVED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Actual Date: 06/20/1983

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC HEARING)  
Actual Date: 10/06/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - RESPONSE TO 2ND NOD RECEIVED  
Actual Date: 03/25/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - ISSUE CLOSURE VERIFICATION  
Actual Date: 01/20/2000

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - CLOSURE PLAN RECEIVED  
Actual Date: 02/26/1993

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED  
Actual Date: 01/04/2006

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED  
Actual Date: 07/14/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)  
Actual Date: 01/09/2012

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED  
Actual Date: 06/26/2007

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - CLOSURE NOTICE RECEIVED  
Actual Date: 05/14/1996

EPA Id: CAD009151671

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - TECHNICAL COMPLETE LETTER
Actual Date:	08/11/2011
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date:	06/28/2010
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date:	01/07/2022
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	INJECT1
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	05/30/1982
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	12/19/1986
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	09/01/2011
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date:	10/06/2011
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL CEQA
Actual Date:	12/07/2011
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	01/20/2000
EPA Id:	CAD009151671
Facility Type:	Post-Closure Permitted
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - APPLICATION PART B RECEIVED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Actual Date: 11/11/2005

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - PUBLIC COMMENT (BEGIN)  
Actual Date: 06/17/1996

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - CLOSURE PLAN APPROVED  
Actual Date: 07/31/1996

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6  
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT  
Actual Date: 09/06/2011

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFSTR1 (GPRA Unit)  
Event Description: Closure - CLOSURE PLAN APPROVED  
Actual Date: 07/27/1985

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2  
Event Description: Closure - PUBLIC COMMENT (END)  
Actual Date: 07/17/1996

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Unit Names: SURFSTR1 (GPRA Unit)  
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION  
Actual Date: 11/07/1985

Alias:

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Alias Type: Project Code (Site Code)  
Alias: 200165

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Alias Type: Project Code (Site Code)  
Alias: 22120

EPA Id: CAD009151671  
Facility Type: Post-Closure Permitted  
Alias Type: Alternate Name  
Alias: Dupont Oakley Site

NPDES:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	5S
Regulatory Measure Id:	198178
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	5S07I016773
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	07/11/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/13/2001
STATUS CODE NAME:	Terminated
STATUS DATE:	07/11/2013
PLACE SIZE:	401
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	BOBBY Deaver
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	9257575836
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	EI Du Pont De Nemours & Co Inc
OPERATOR ADDRESS:	6000 Bridgehead Rd
OPERATOR CITY:	Oakley
OPERATOR STATE:	California
OPERATOR ZIP:	94561
OPERATOR CONTACT NAME:	BOBBY Deaver
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	925-757-5836
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	925-757-5836
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E.I. DUPONT DE NEMOURS & CO. (Continued)**

**S101580703**

CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: Not reported  
RECEIVING WATER NAME: San Joaquin River  
CERTIFIER NAME: Not reported  
CERTIFIER TITLE: Not reported  
CERTIFICATION DATE: Not reported  
PRIMARY SIC: 2899-Chemicals and Chemical Preparations, NEC  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

**CONTRA COSTA CO. SITE LIST:**

Facility ID: FA0031440  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HMBP: >10K-100K LBS, 0-19 EMPLOYEES  
Region: CONTRA COSTA  
Cupa Number: 708471

Facility ID: FA0031440  
Billing Status: ACTIVE, BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: 50 - <250 TONS/YEAR  
Region: CONTRA COSTA  
Cupa Number: 708471

Facility ID: FA0031440  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: HWG: RCRA LQG LEGACY PROGRAM  
Region: CONTRA COSTA  
Cupa Number: 708471

Facility ID: FA0031440  
Billing Status: INACTIVE, NON-BILLABLE  
Program Status: CONTRA COSTA CO. SITE LIST  
Program/Elements: UNDERGROUND STORAGE TANK SITE  
Region: CONTRA COSTA  
Cupa Number: 708471

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

J49  
NW  
1/2-1  
0.824 mi.  
4352 ft.

**INDUSTRIAL LOT WITH RAILROAD SIDING**  
**2600 WILBUR AVENUE**  
**ANTIOCH, CA 94509**

**ENVIROSTOR** **S106568193**  
**VCP** **N/A**

**Site 1 of 2 in cluster J**

**Relative:**  
**Lower**

ENVIROSTOR:

Facility ID: 7990014  
Status: Certified  
Status Date: 03/06/2006  
Site Code: 201534  
Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: 10.28  
NPL: NO  
Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY  
Lead Agency: SMBRP  
Program Manager: Megan Indermill  
Supervisor: Barbara Cook  
Division Branch: Cleanup Berkeley  
Assembly: 11  
Senate: 07  
Special Program: Designation of Single Agency  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 38.01165  
Longitude: -121.7691  
APN: 051-032-009-6, 051032009  
Past Use: MANUFACTURING - PAPER  
Potential COC: TPH-diesel TPH-MOTOR OIL  
Confirmed COC: TPH-diesel TPH-MOTOR OIL  
Potential Description: SOIL  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

VCP:

Facility ID: 7990014  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 10.28

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**INDUSTRIAL LOT WITH RAILROAD SIDING (Continued)**

**S106568193**

National Priorities List: NO  
 Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY  
 Lead Agency: SMBRP  
 Lead Agency Description: DTSC - Site Cleanup Program  
 Project Manager: Megan Indermill  
 Supervisor: Barbara Cook  
 Division Branch: Cleanup Berkeley  
 Site Code: 201534  
 Assembly: 11  
 Senate: 07  
 Special Programs Code: Designation of Single Agency  
 Status: Certified  
 Status Date: 03/06/2006  
 Restricted Use: NO  
 Funding: Responsible Party  
 Lat/Long: 38.01165 / -121.7691  
 APN: 051-032-009-6, 051032009  
 Past Use: MANUFACTURING - PAPER  
 Potential COC: 30024, 3002502  
 Confirmed COC: 30024,3002502  
 Potential Description: SOIL  
 Alias Name: Not reported  
 Alias Type: Not reported

**Completed Info:**

Completed Area Name: Not reported  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Not reported  
 Completed Date: Not reported  
 Comments: Not reported

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**50  
 NNW  
 1/2-1  
 0.837 mi.  
 4420 ft.**

**CONTRA COSTA POWER PLT ANTIOCH  
 PO BOX 249  
 ANTIOCH CA, CA 94509**

**AST S102509496  
 WMUDS/SWAT N/A  
 EMI  
 Financial Assurance  
 HWP  
 WDS**

**Relative:  
 Lower**

**AST:**

**Actual:  
 12 ft.**

Certified Unified Program Agencies: Not reported  
 Owner: NRG Delta, LLC  
 Total Gallons: Not reported  
 CERSID: 10478107  
 Facility ID: 07-000-735376  
 Business Name: Contra Costa Generating Station  
 Phone: 925-779-6676  
 Fax: 925-779-6679  
 Mailing Address: P.O. Box 1687

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA POWER PLT ANTIOCH (Continued)**

**S102509496**

Mailing Address City: Antioch  
Mailing Address State: CA  
Mailing Address Zip Code: 94509  
Operator Name: NRG Delta, LLC  
Operator Phone: 925-779-6665  
Owner Phone: 925-779-6586  
Owner Mail Address: 3201-A Wilbur Avenue  
Owner State: CA  
Owner Zip Code: 94509  
Owner Country: United States  
Property Owner Name: NRG Delta, LLC  
Property Owner Phone: 925.779.6665  
Property Owner Mailing Address: 3201-A Wilbur Avenue  
Property Owner City: Antioch  
Property Owner Stat : CA  
Property Owner Zip Code: 94509  
Property Owner Country: United States  
EPAID: CAT080011489

**WMUDS/SWAT:**

Edit Date: Not reported  
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.  
Primary Waste: NONCON  
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Base Meridian: Not reported  
NPID: CA0004863  
Tonnage: 0  
Regional Board ID: Not reported  
Municipal Solid Waste: False  
Superorder: False  
Open To Public: False  
Waste List: False  
Agency Type: Private  
Agency Name: SOUTHERN ENERGY DELTA, LLC  
Agency Department: Not reported  
Agency Address: P.O. BOX 249  
Agency City,St,Zip: ANTIOCH CA 94509  
Agency Contact: STEVE GALLO  
Agency Telephone: 9254273500  
Land Owner Name: Not reported  
Land Owner Address: Not reported  
Land Owner City,St,Zip: Not reported  
Land Owner Contact: Not reported  
Land Owner Phone: Not reported  
Region: 5S  
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONTRA COSTA POWER PLT ANTIOCH (Continued)**

**S102509496**

processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4911
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	True
Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15:	True
Regional Board Project Officer:	RJ
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Yes
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	5B072014008
Solid Waste Information ID:	Not reported

**EMI:**

Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.011
Reactive Organic Gases Tons/Yr:	2.1854655
Carbon Monoxide Emissions Tons/Yr:	43.729
NOX - Oxides of Nitrogen Tons/Yr:	7.499
SOX - Oxides of Sulphur Tons/Yr:	0.322
Particulate Matter Tons/Yr:	3.9610737705
Part. Matter 10 Micrometers and Smlr Tons/Yr:	3.961

**CA Financial Assurance 1:**

EPA ID Number:	CAT080011489 80001830
Sudden Amount1:	\$8,000,000.00
Non Sudden Amount1:	\$8,000,000.00
Closure Mechanism:	Ins

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA POWER PLT ANTIOCH (Continued)**

**S102509496**

Closure Amount: \$83,085.00  
Post Closure Mechanism: Not reported  
Post Closure Amount: Not reported  
Corrective Action Mechanism: Not reported  
Corrective Action Amount: Not reported  
Sudden Mechanism Type: Ins  
Sudden Mechanism Amount: \$4,000,000.00  
Non Sudden Mechanism Type: Ins  
Non Sudden Mechanism Amount: \$4,000,000.00  
O and M Mechanism Type: Not reported  
O and M Amount: Not reported  
Closure Mechanism Date of Mechanism: 4/2/2011  
Closure Mechanism Renewal Date: Not reported  
Closure Mechanism Provider: AEGISL  
Postclosure Mechanism Date of Mechanism: Not reported  
Postclosure Mechanism Renewal Date: Not reported  
Postclosure Mechanism Provider: Not reported  
O and M Mechanism Date of Mechanism: Not reported  
O and M Mechanism Renewal Date: Not reported  
O and M Mechanism Provider: Not reported  
Corrective Action Mechanism Date of Mechanism: Not reported  
Corrective Action Mechanism Renewal Date: Not reported  
Corrective Action Mechanism Provider: Not reported  
Sudden Mechanism Date of Mechanism: 4/2/2009  
Sudden Mechanism Renewal Date: Not reported  
Sudden Mechanism Provider: AEGISL  
Non-Sudden Mechanism Date of Mechanism: 4/2/2009  
Non-Sudden Mechanism Renewal Date: Not reported  
Non-Sudden Mechanism Provider: AEGISL  
Date Entered into EnviroStor: 2014-01-09 00:00:00  
Authorization Type: Cleanup  
Comments: Closure Insurance was released 04/03/2012

**HWP:**

EPA Id: CAT080011489  
Cleanup Status: CLOSED  
Latitude: 38.01249  
Longitude: -121.7781  
Facility Type: Historical - Non-Operating  
Facility Size: Not reported  
Team: Not reported  
Supervisor: Not reported  
Site Code: Not reported  
Assembly District: 11  
Senate District: 07  
Public Information Officer: Not reported  
Public Information Officer: Not reported

**Closure:**

EPA Id: CAT080011489  
Facility Type: Historical - Non-Operating  
Unit Names: SURFSTR1 (GPRA Unit)  
Event Description: Closure - ISSUE CLOSURE VERIFICATION  
Actual Date: 06/02/1995

**Alias:**

EPA Id: CAT080011489

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA POWER PLT ANTIOCH (Continued)**

**S102509496**

Facility Type: Historical - Non-Operating  
Alias Type: Alternate Name  
Alias: MIRANT DELTA, LLC

**WDS:**

Facility ID: Sacramento-San Joaquin Delta 072014008  
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: CA0004863 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board  
Subregion: 0  
Facility Telephone: 9254273513  
Facility Contact: STEVE GALLO  
Agency Name: MIRANT DELTA LLC  
Agency Address: PO BOX 192  
Agency City,St,Zip: PITTSBURG 94565  
Agency Contact: STEVE GALLO  
Agency Telephone: 9254273513  
Agency Type: Private  
SIC Code: 4911  
SIC Code 2: Not reported  
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.  
Primary Waste: NONCON  
Waste Type2: Not reported  
Waste2: Cooling Water: Noncontact  
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 450  
Baseline Flow: 1000  
Reclamation: No reclamation requirements associated with this facility.  
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.  
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.  
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONTRA COSTA POWER PLT ANTIOCH (Continued)**

**S102509496**

(particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

**J51  
 NW  
 1/2-1  
 0.855 mi.  
 4516 ft.**

**DECON ENVIRONMENTAL  
 2603 WILBUR AVE  
 ANTIOCH, CA 94509**

**Site 2 of 2 in cluster J**

**ENVIROSTOR  
 VCP  
 HAZNET**

**S112989973  
 N/A**

**Relative:  
 Lower**

ENVIROSTOR:

**Actual:  
 29 ft.**

Facility ID: 7260003  
 Status: Active  
 Status Date: 01/27/2004  
 Site Code: 202133  
 Site Type: Voluntary Cleanup  
 Site Type Detailed: Voluntary Cleanup  
 Acres: 80.11  
 NPL: NO  
 Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley  
 Lead Agency: SMBRP  
 Program Manager: Megan Indermill  
 Supervisor: Daniel Murphy  
 Division Branch: Cleanup Berkeley  
 Assembly: 11  
 Senate: 07  
 Special Program: Designation of Single Agency  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Responsible Party  
 Latitude: 38.01415  
 Longitude: -121.7701  
 APN: 051-031-005-5, 051031005  
 Past Use: MANUFACTURING - PAPER, MANUFACTURING - PAPER  
 Potential COC: Dioxin (as 2,3,7,8-TCDD TEQ Asbestos Containing Materials (ACM)  
 Dioxin (as 2,3,7,8-TCDD TEQ Lead Polychlorinated biphenyls (PCBs)  
 Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-MOTOR OIL Furan  
 Not reported  
 Confirmed COC: Dioxin (as 2,3,7,8-TCDD TEQ Dioxin (as 2,3,7,8-TCDD TEQ Lead  
 Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-MOTOR OIL  
 Furan 40001-NO Polychlorinated biphenyls (PCBs)  
 Potential Description: OTH, SOIL, OTH, SOIL  
 Alias Name: Not reported  
 Alias Type: Not reported  
 Completed Info:  
 Completed Area Name: Not reported  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Not reported  
 Completed Date: Not reported  
 Comments: Not reported  
 Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DECON ENVIRONMENTAL (Continued)**

**S112989973**

Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

VCP:

Facility ID: 7260003  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 80.11  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Megan Indermill  
Supervisor: Daniel Murphy  
Division Branch: Cleanup Berkeley  
Site Code: 202133  
Assembly: 11  
Senate: 07  
Special Programs Code: Designation of Single Agency  
Status: Active  
Status Date: 01/27/2004  
Restricted Use: NO  
Funding: Responsible Party  
Lat/Long: 38.01415 / -121.7701  
APN: 051-031-005-5, 051031005  
Past Use: MANUFACTURING - PAPER, MANUFACTURING - PAPER  
Potential COC: 30009, 40001, 30009, 30013, 30018, 30019, 30024, 3002502, 30298  
Confirmed COC: 30009,, 30009,30013,30019,30024,3002502,30298,40001-NO,30018  
Potential Description: OTH, SOIL, OTH, SOIL  
Alias Name: Not reported  
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

HAZNET:

envid: S112989973  
Year: 2011  
GEPaid: CAC002671503  
Contact: DEDE MARTINEZ  
Telephone: 5107326444  
Mailing Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DECON ENVIRONMENTAL (Continued)**

**S112989973**

Mailing Address: 23490 CONNECTICUT ST  
Mailing City,St,Zip: HAYWARD, CA 94545  
Gen County: Not reported  
TSD EPA ID: CAD980887418  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 1.2  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Contra Costa

52  
East  
1/2-1  
0.894 mi.  
4722 ft.

**NEW OAKLEY RD ES  
LIVE OAKE AVE/OAKLEY RD  
OAKLEY, CA 94561**

**ENVIROSTOR S116165424  
SCH N/A**

**Relative:  
Lower**

**ENVIROSTOR:**

**Actual:  
41 ft.**

Facility ID: 7820015  
Status: No Further Action  
Status Date: 09/15/2005  
Site Code: 204154  
Site Type: School Investigation  
Site Type Detailed: School  
Acres: 19  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Mark Malinowski  
Division Branch: Northern California Schools & Santa Susana  
Assembly: 11  
Senate: 07  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: School District  
Latitude: 38.00002  
Longitude: -121.7401  
APN: NONE SPECIFIED  
Past Use: AGRICULTURAL - ORCHARD, EQUIPMENT/INSTRUMENT REPAIR, RESIDENTIAL  
AREA, VEHICLE MAINTENANCE  
Potential COC: Arsenic Chlordane Total Chromium (1:6 ratio Cr VI:Cr III DDD DDE DDT  
Lead Mercury (elemental Silver Toxaphene TPH-MOTOR OIL  
Confirmed COC: 30021-NO 30023-NO 30001-NO 30004-NO 30005-NO DDD DDE DDT 30013-NO  
30014-NO 3002502-NO  
Potential Description: SOIL  
Alias Name: Not reported  
Alias Type: Not reported  
Completed Info:  
Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW OAKLEY RD ES (Continued)**

**S116165424**

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Facility ID: 7820015  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 19  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Not reported  
Supervisor: Mark Malinowski  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 204154  
Assembly: 11  
Senate: 07  
Special Program Status: Not reported  
Status: No Further Action  
Status Date: 09/15/2005  
Restricted Use: NO  
Funding: School District  
Latitude: 38.00002  
Longitude: -121.7401  
APN: NONE SPECIFIED  
Past Use: AGRICULTURAL - ORCHARD, EQUIPMENT/INSTRUMENT REPAIR, RESIDENTIAL AREA, VEHICLE MAINTENANCE  
Potential COC: Arsenic, Chlordane, Total Chromium (1:6 ratio Cr VI:Cr III, DDD, DDE, DDT, Lead, Mercury (elemental, Silver, Toxaphene, TPH-MOTOR OIL  
Confirmed COC: 30021-NO, 30023-NO, 30001-NO, 30004-NO, 30005-NO, DDD, DDE, DDT, 30013-NO, 30014-NO, 3002502-NO  
Potential Description: SOIL  
Alias Name: Not reported  
Alias Type: Not reported

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW OAKLEY RD ES (Continued)**

**S116165424**

Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**K53  
NNW  
1/2-1  
0.919 mi.  
4853 ft.**

**CONTRA COSTA GENERATING STATION  
3201 WILBUR AVE  
ANTIOCH, CA 94509  
Site 1 of 2 in cluster K**

**SEMS-ARCHIVE 1015732945  
CORRACTS CAT080011489  
RCRA-TSDF  
RCRA-LQG  
US FIN ASSUR  
2020 COR ACTION  
FINDS**

**Relative:  
Lower**

**Actual:  
11 ft.**

SEMS Archive:  
Site ID: 902670  
EPA ID: CAT080011489  
Cong District: 7  
FIPS Code: 6013  
FF: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**SEMS Archive Detail:**

Region: 9  
Site ID: 902670  
EPA ID: CAT080011489  
Site Name: PG&E CONTRA COSTA POWER PLT  
NPL: N  
FF: N  
OU: 0  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1991-10-11 00:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf In-Hse

Region: 9  
Site ID: 902670  
EPA ID: CAT080011489  
Site Name: PG&E CONTRA COSTA POWER PLT  
NPL: N  
FF: N  
OU: 0  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1979-10-01 00:00:00  
Finish Date: 1979-10-01 00:00:00  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 902670  
EPA ID: CAT080011489  
Site Name: PG&E CONTRA COSTA POWER PLT  
NPL: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONTRA COSTA GENERATING STATION (Continued)

1015732945

FF: N  
OU: 0  
Action Code: SI  
Action Name: SI  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1986-12-01 00:00:00  
Qual: H  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 902670  
EPA ID: CAT080011489  
Site Name: PG&E CONTRA COSTA POWER PLT  
NPL: N  
FF: N  
OU: 0  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: Not reported  
Finish Date: 1986-12-01 00:00:00  
Qual: L  
Current Action Lead: EPA Perf

Region: 9  
Site ID: 902670  
EPA ID: CAT080011489  
Site Name: PG&E CONTRA COSTA POWER PLT  
NPL: N  
FF: N  
OU: 0  
Action Code: SI  
Action Name: SI  
SEQ: 2  
Start Date: Not reported  
Finish Date: 1991-10-11 00:00:00  
Qual: N  
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19861201  
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Area Name: ENTIRE FACILITY  
Actual Date: 20150501  
Action: CA180 - RFI Supplemental Implementation Begun  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20131101  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20131001  
Schedule end date: 20131101

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19950602  
Action: CA999NF - Corrective Action Process Terminated, No Further Action  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 19950702  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20150508  
Action: CA160 - RFI Supplemental Information Received  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20150401  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20141013  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20141011  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20140114  
Action: CA120 - RFI Workplan Modification Requested By Agency  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20131201  
Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20140114  
Action: CA140 - RFI Workplan Notice Of Deficiency Issued  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20131201  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20130415  
Action: CA100 - RFI Imposition  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20130415  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19890915  
Action: CA100 - RFI Imposition  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 19890915  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19880518  
Action: CA999RM - Corrective Action Process Terminated, Remedial Activities Completed  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 19880617  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20150619  
Action: CA170 - RFI Supplemental Information Deemed Satisfactory  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20150624  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20121120  
Action: CA120 - RFI Workplan Modification Requested By Agency  
NAICS Code(s): 221112

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Fossil Fuel Electric Power Generation  
Original schedule date: 20121128  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20121120  
Action: CA140 - RFI Workplan Notice Of Deficiency Issued  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20121128  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20130322  
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20130401  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19860924  
Action: CA050 - RFA Completed  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 19860924  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 19860924  
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 19860924  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20161025  
Action: CA200 - RFI Approved  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20161004  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Area Name: ENTIRE FACILITY  
Actual Date: 20130829  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20130830  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20121029  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20121201  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20151130  
Action: CA190 - RFI Report Received  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20151123  
Schedule end date: 20151202

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20131231  
Action: CA180 - RFI Supplemental Implementation Begun  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: CAT080011489  
EPA Region: 09  
Area Name: ENTIRE FACILITY  
Actual Date: 20131231  
Action: CA180 - RFI Supplemental Implementation Begun  
NAICS Code(s): 221112  
Fossil Fuel Electric Power Generation  
Original schedule date: 20131219  
Schedule end date: Not reported

**RCRA-TSDF:**

Date form received by agency: 03/01/2014  
Facility name: CONTRA COSTA GENERATING STATION  
Facility address: 3201 WILBUR AVE  
ANTIOCH, CA 94509  
EPA ID: CAT080011489  
Mailing address: PO BOX 1687  
ANTIOCH, CA 94509  
Contact: DAVID FRANSEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Contact address: PO BOX 92  
PITTSBURG, CA 94565

Contact country: Not reported

Contact telephone: 925-427-3479

Contact email: DAVID.FRANSEN@NRGENERGY.COM

EPA Region: 09

Land type: Private

Classification: TSDF

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: NRG DELTA LLC

Owner/operator address: PO BOX 1687  
ANTIOCH, CA 94509

Owner/operator country: Not reported

Owner/operator telephone: 925-427-3513

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 04/16/1999

Owner/Op end date: Not reported

Owner/operator name: NGR DELTA LLC

Owner/operator address: Not reported  
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 04/16/1999

Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D018  
. Waste name: BENZENE

. Waste code: D022  
. Waste name: CHLOROFORM

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
  
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
  
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
  
- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
  
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE

Historical Generators:

Date form received by agency: 11/02/2012

Site name: CONTRA COSTA GENERATING STATION

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONTRA COSTA GENERATING STATION (Continued)

1015732945

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/18/2010

Site name: CONTRA COSTA POWER PLANT

Classification: Large Quantity Generator

. Waste code: 121  
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122  
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 134  
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 141  
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181  
. Waste name: Other inorganic solid waste

. Waste code: 212  
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

- . Waste name: Unspecified solvent mixture
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 291
- . Waste name: Latex waste
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture
- . Waste code: 352
- . Waste name: Other organic solids
- . Waste code: 513
- . Waste name: Empty containers less than 30 gallons
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups
- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l
- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals
- . Waste code: 801
- . Waste name: Waste potentially containing dioxins
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D035

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/13/2006  
Site name: CONTRA COSTA POWER PLANT  
Classification: Small Quantity Generator

Date form received by agency: 02/13/2006  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY

Date form received by agency: 04/12/2001  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

- . Waste code: D000
- . Waste name: Not Defined
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

- . Waste name: CORROSIVE WASTE
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/15/1999  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/22/1996  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994  
Site name: PG&E CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Date form received by agency: 04/11/1990  
Site name: PG&E CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Date form received by agency: 08/18/1980  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980  
Site name: CONTRA COSTA POWER PLANT  
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/24/1986  
Event: RFA COMPLETED

Event date: 09/24/1986  
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 12/01/1986  
Event: PA OR CERCLA INSPECTION

Event date: 12/01/1986  
Event: PA OR CERCLA INSPECTION

Event date: 12/01/1986  
Event: NCAPS RANKING/PRIORITY

Event date: 12/01/1986  
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 12/01/1986  
Event: LEAD AGENCY DETERMINATION

Event date: 05/18/1988  
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: 02/24/1989  
Event: 3008(H) ENFORCMT INTERIM STATUS

Event date: 09/15/1989  
Event: INVESTIGATION IMPOSITION

Event date: 06/02/1995  
Event: CA PROCESS IS TERMINATED-NO FURTHER ACTION

Event date: 10/29/2012  
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 11/20/2012  
Event: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY

Event date: 11/20/2012  
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 03/22/2013  
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 04/15/2013  
Event: INVESTIGATION IMPOSITION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Event date: 08/29/2013  
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 11/01/2013  
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 12/31/2013  
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 12/31/2013  
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 01/14/2014  
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 01/14/2014  
Event: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY

Event date: 10/13/2014  
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 05/01/2015  
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 05/08/2015  
Event: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED

Event date: 06/19/2015  
Event: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT

Event date: 11/30/2015  
Event: INVESTIGATION REPORT RECEIVED

Event date: 10/25/2016  
Event: INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:

Regulation violated: F - 264.140-150.H  
Area of violation: TSD - Financial Requirements  
Date violation determined: 06/24/1992  
Date achieved compliance: 10/13/1992  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 02/23/1989  
Date achieved compliance: 08/05/1991  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Enforcement action date: 04/05/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 12/08/1987  
Date achieved compliance: 01/18/1988  
Violation lead agency: State  
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement action date: 03/27/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 12/08/1987  
Date achieved compliance: 01/18/1988  
Violation lead agency: State  
Enforcement action: FINAL 3008(H) I.S. CA ORDER  
Enforcement action date: 09/15/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/24/1987  
Date achieved compliance: 01/18/1988  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/08/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 11/25/1986  
Date achieved compliance: 08/05/1991  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/12/1987

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/07/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/27/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/24/1992  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 10/13/1992  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/27/1991  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/23/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 08/05/1991  
Evaluation lead agency: State

Evaluation date: 02/16/1989  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 12/08/1987  
Evaluation: GROUNDWATER MONITORING EVALUATION  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 01/18/1988  
Evaluation lead agency: State

Evaluation date: 11/24/1987  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 01/18/1988  
Evaluation lead agency: State

Evaluation date: 11/09/1987

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/25/1986  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 08/05/1991  
Evaluation lead agency: State

**US FIN ASSUR:**

EPA ID: CAT080011489  
Provider: AEGISL  
EPA region: 9  
County: Not reported  
Mechanism type: INSURANCE  
Mechanism ID: X1069A1A09  
Cost estimate: 8000000  
Face value: 8085049  
Effective date: 2009-04-02 00:00:00

EPA ID: CAT080011489  
Provider: AEGISL  
EPA region: 9  
County: Not reported  
Mechanism type: INSURANCE  
Mechanism ID: X1069A1A09  
Cost estimate: 85049  
Face value: 8085049  
Effective date: 2009-04-02 00:00:00

**2020 COR ACTION:**

EPA ID: CAT080011489  
Region: 9  
Action: Not reported

**FINDS:**

Registry ID: 110020509136

**Environmental Interest/Information System**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Registry ID: 110020509145

**Environmental Interest/Information System**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1015732945**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

<p><b>K54</b>  <b>NNW</b>  <b>1/2-1</b>  <b>0.919 mi.</b>  <b>4853 ft.</b></p> <p><b>Relative:</b>  <b>Lower</b></p> <p><b>Actual:</b>  <b>11 ft.</b></p>	<p><b>CONTRA COSTA GENERATING STATION</b>  <b>3201 WILBUR AVENUE</b>  <b>ANTIOCH, CA 94509</b></p> <p><b>Site 2 of 2 in cluster K</b></p> <p><b>ENVIROSTOR:</b></p> <p>Facility ID: 80001830        Status: Active        Status Date: 02/04/2010        Site Code: 200423        Site Type: Corrective Action        Site Type Detailed: Corrective Action        Acres: 168.56        NPL: NO        Regulatory Agencies: SMBRP        Lead Agency: WM        Program Manager: Hongbo Zhu        Supervisor: Daniel Murphy        Division Branch: Cleanup Berkeley        Assembly: 11        Senate: 07        Special Program: Not reported        Restricted Use: NO        Site Mgmt Req: NONE SPECIFIED        Funding: Not reported        Latitude: 38.01249        Longitude: -121.7781        APN: 051031015, 051031016, 051031018, 051031019        Past Use: ABOVE GROUND STORAGE TANKS, WASTE WATER PONDS        Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas TPH-MOTOR OIL Copper and compounds Nickel Polynuclear aromatic hydrocarbons (PAHs Benzo[a]pyrene Zinc        Confirmed COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III 30013-NO TPH-diesel TPH-gas Polynuclear aromatic hydrocarbons (PAHs Copper and compounds Zinc Nickel TPH-MOTOR OIL Benzo[a]pyrene Polychlorinated biphenyls (PCBs        Potential Description: CSS, OTH, SED, SOIL, SURFW        Alias Name: Contra Costa Power Plant        Alias Type: Alternate Name        Alias Name: GenOn        Alias Type: Alternate Name        Alias Name: GenOn Energy, Inc.        Alias Type: Alternate Name        Alias Name: GenOn Energy, Inc.        Alias Type: Alternate Name        Alias Name: Mirant LLC        Alias Type: Alternate Name        Alias Name: PG&amp;E Contra Costa Power Plant        Alias Type: Alternate Name        Alias Name: 051031015</p>	<p><b>ENVIROSTOR</b>  <b>CHMIRS</b>  <b>TSCA</b>  <b>ICIS</b>  <b>FINDS</b>  <b>ECHO</b>  <b>ENF</b>  <b>NPDES</b></p>	<p><b>1007739419</b>  <b>N/A</b></p>
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Alias Type: APN  
Alias Name: 051031016  
Alias Type: APN  
Alias Name: 051031018  
Alias Type: APN  
Alias Name: 051031019  
Alias Type: APN  
Alias Name: CAT080011489  
Alias Type: EPA Identification Number  
Alias Name: 110019003790  
Alias Type: EPA (FRS #)  
Alias Name: 200423  
Alias Type: Project Code (Site Code)  
Alias Name: 80001830  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2017  
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP.  
Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 12/01/1986  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 12/01/1986  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/21/2009  
Comments: Not reported

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 05/13/2010  
Comments: Workplan has been revised and approved.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 11/17/2010  
Comments: Investigation Report is completed. includes data from most of the entire site history.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measures Study Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Date: 10/18/2010  
Comments: Document approved internally, public comment period ends 10/19/2010.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 10/14/2010  
Comments: Public comment period begins October 18 and ends November 19.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 10/14/2010  
Comments: Public Comment period to begin October 18 and end November 19

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Measure Implementation Workplan  
Completed Date: 02/14/2011  
Comments: Approved with conditions including APPROVAL FOR SOIL REMEDIATION ONLY with provision to address groundwater contamination during site wide remediation to be done at a later time.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Health & Safety Plan  
Completed Date: 02/01/2011  
Comments: Plan reviewed as requested and approved by DTSC Industrial Hygienist

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 10/23/1997  
Comments: 22 potential issues are identified, a Phase II ESA is recommended.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/01/1998  
Comments: Phase II independently prepared by PG&E prior to seal of portions of the facility in 1999.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 01/31/1986  
Comments: Closure Plan Approved under additional modifications and conditions imposed by DTSC in the approval letter.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 06/29/2011  
Comments: Report approval completes cleanup OF SOIL within the MLGS area. Groundwater will be addressed by site-wide remediation.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
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EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 04/20/2012  
Comments: Further Action required for 23 out of 52 Units evaluated. No further action recommended for 29 of 52 units evaluated.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan  
Completed Date: 10/13/2014  
Comments: RP will begin implementing the plan in December 2014

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Report  
Completed Date: 10/25/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 05/01/2015  
Comments: Fieldwork completed without major changes or obstacles

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/14/2009  
Comments: Report analysis impacts of operating production wells to provide water for the proposed power plant.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 07/11/2011  
Comments: Letter by consultant PES Environmental to CEC Compliance and Dockets Office argues that allowing Genon to install and use wells will have deleterious impacts on groundwater in the area, will compound already existing contamination and will compromise remediation efforts taking place to address groundwater contamination in the area.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 04/24/2012  
Comments: Corrective Action Schedule for the entire site

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/05/2012  
Comments: All product and contaminated soil removed from the excavation. Groundwater contamination will be addressed under upcoming sitewide Corrective Action.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Document Type: RFI Workplan  
Completed Date: 08/29/2013  
Comments: Workplan approved after three revisions of the original.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/29/2013  
Comments: Report Approved after three revisions

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 12/31/2013  
Comments: Investigation completed but location of most wells continue to be unknown. Facility requests until February 1, 2014 to submit final report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 02/02/2015  
Comments: Work notice was approved by PPS, and was circulated tot he public.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/04/2013  
Comments: Report indicates soil is not a hazardous waste and is not contaminated.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Health & Safety Plan  
Completed Date: 10/03/2013  
Comments: HASP approved, interim activities started on October 1, 2013

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 12/31/2013  
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/01/2014  
Comments: Report approved under specific conditions.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/31/2013  
Comments: Report complete and on target

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Document Type: Health & Safety Plan  
Completed Date: 07/01/2014  
Comments: HASP ready for implementation

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 04/16/2015  
Comments: Public Participation Specialist concluded that a Public Participation Plan is not required at this time

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RFI Workplan Addendum  
Completed Date: 06/19/2015  
Comments: Approved by GSU. To be implemented July 2015

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 10/15/2015  
Comments: Facility-Wide Well Management Plan reviewed by Allan Fone. Final approval letter sent.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 10/04/2017  
Comments: DTSC approves the Human Health Risk Assessment.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 02/24/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 08/18/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Workplan  
Completed Date: 07/13/2017  
Comments: ERA WP Approved

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 12/16/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Date: 06/22/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Workplan  
Completed Date: 04/19/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/02/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 04/15/2013  
Comments: Ammendment added two units to the list of areas that require further action and removed one unit that had been entered erroneously.

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Responsible Agency Review  
Completed Date: 02/10/2011  
Comments: NOD based on functionally equivalent EIR prepared by the California Energy Commission.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/30/2014  
Comments: Estimate and Schedule discussed with and okayed by DTSC Project manager on 9/17/2014

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Human Exposure Controlled  
Completed Date: 03/22/2013  
Comments: DTSC has determined that the site in its current condition does not pose a threat to human health. Ongoing corrective action will address groundwater contamination issues.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/01/2013  
Comments: Schedule modified in accordance with discussions with project manager. Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/17/2012  
Comments: Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Action Completion Determination  
Completed Date: 05/18/1988  
Comments: Certification of clean closure of the two surface impoundments at the facility.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 06/30/1989  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/10/2011  
Comments: Estimate approved by RP

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: No Further Action Letter  
Completed Date: 06/02/1995  
Comments: This letter certified the clean closure of all remaining waste management units subject to permitting.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)  
Completed Date: 04/06/1981  
Comments: First Interim Status Document in Record

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: RCRA Facility Assessment Report  
Completed Date: 09/24/1986  
Comments: RFA Uploaded by FAST

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 02/02/2011  
Comments: Facility Initiated Corrective Action Consent Agreement signed by DTSC and PG&E

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)  
Completed Date: 02/24/1989  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Decree  
Completed Date: 09/15/1989  
Comments: Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Responsible Agency Review  
Completed Date: 10/18/2010  
Comments: Statement of Findings made public on 10/18/2010 Notice of Determination will be filed after project approval before the end of November 2010.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/12/2015  
Comments: Notification of Project Manager Change

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/01/2010  
Comments: Scheduled and estimate reviewed and approved by RP and mailed to them. Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/17/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 09/09/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Consent Agreement  
Completed Date: 06/29/2012  
Comments: Final Version completed and agreed to by both parties. Sent to RP who will sign it on 6/29

Completed Area Name: GenOn Marsh Landing Generating Station  
Completed Sub Area Name: Not reported  
Completed Document Type: Corrective Action Completion Determination  
Completed Date: 07/14/2011  
Comments: Not reported

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Remedy Constructed  
Future Due Date: 2021  
Future Area Name: PROJECT WIDE

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Future Sub Area Name:	Not reported
Future Document Type:	Groundwater Migration Controlled
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Selection and Statement of Basis
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Initial Study/ Neg. Declaration
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Corrective Action Completion Determination
Future Due Date:	2021
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2021
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2018
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Fact Sheets
Future Due Date:	2018
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Corrective Measure Implementation Workplan
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Facility ID: 71003523  
Status: Refer: Other Agency  
Status Date: Not reported  
Site Code: Not reported  
Site Type: Tiered Permit  
Site Type Detailed: Tiered Permit  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Not reported  
Division Branch: Cleanup Berkeley  
Assembly: 11  
Senate: 07  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.01703  
Longitude: -121.7646  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: CAT080011489  
Alias Type: EPA Identification Number  
Alias Name: 110019003790  
Alias Type: EPA (FRS #)  
Alias Name: 71003523  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**CHMIRS:**

OES Incident Number: 1-5445  
OES notification: 09/13/2011

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CONTRA COSTA GENERATING STATION (Continued)

1007739419

OES Date:	Not reported
OES Time:	Not reported
<b>Date Completed:</b>	<b>Not reported</b>
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Joaquin River
Spill Site:	Utilities/Substation
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	700
Year:	2011
Agency:	XXXX
Incident Date:	9/13/2011
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	San Joaquin River
E Date:	Not reported
Substance:	Construction Water
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a power plant is being constructed. Caller states the new plant is running a six inch line across a berm into a spill way that releases into the San Joaquin River. Caller states this release is not permitted.

[Click this hyperlink](#) while viewing on your computer to access additional TSCA detail in the EDR Site Report.

ICIS:

Enforcement Action ID:	CA-200045587
FRS ID:	110019003790
Action Name:	Contra Costa Power Plant Antioch - NOV
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Address:	3201 WILBUR AVE ANTIOCH, CA 94509
Enforcement Action Type:	Notice of Violation
Facility County:	CONTRA COSTA
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	38.012417
Longitude in Decimal Degrees:	-121.758972
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0004863
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-200045586
FRS ID:	110019003790
Action Name:	Contra Costa Power Plant Antioch - NOV
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Address:	3201 WILBUR AVE ANTIOCH, CA 94509
Enforcement Action Type:	Notice of Violation
Facility County:	CONTRA COSTA
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	38.012417
Longitude in Decimal Degrees:	-121.758972
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0004863
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-200018663
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EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

FRS ID: 110019003790  
Action Name: Contra Costa Power Plant Antioch - NOV  
Facility Name: CONTRA COSTA GENERATING STATION  
Facility Address: 3201 WILBUR AVE  
ANTIOCH, CA 94509  
Enforcement Action Type: Notice of Violation  
Facility County: CONTRA COSTA  
Program System Acronym: NPDES  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 4911  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 38.012417  
Longitude in Decimal Degrees: -121.758972  
Permit Type Desc: NPDES Individual Permit  
Program System Acronym: CA0004863  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Enforcement Action ID: CA-200018433  
FRS ID: 110019003790  
Action Name: Contra Costa Power Plant Antioch - SEL  
Facility Name: CONTRA COSTA GENERATING STATION  
Facility Address: 3201 WILBUR AVE  
ANTIOCH, CA 94509  
Enforcement Action Type: Letter to Regulated Entity  
Facility County: CONTRA COSTA  
Program System Acronym: NPDES  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: LRE  
Facility SIC Code: 4911  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 38.012417  
Longitude in Decimal Degrees: -121.758972  
Permit Type Desc: NPDES Individual Permit  
Program System Acronym: CA0004863  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

**FINDS:**

Registry ID: 110019003790

**Environmental Interest/Information System**

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

**TSCA SUBMITTER**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

**HAZARDOUS AIR POLLUTANT MAJOR**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

**ELECTRIC GENERATOR**

**STATE MASTER**

**HAZARDOUS WASTE BIENNIAL REPORTER**

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

**GREENHOUSE GAS REPORTER**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

**ECHO:**

Envid: 1007739419  
Registry ID: 110019003790  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110019003790>

**ENF:**

Region: 5S  
Facility Id: 215588  
Agency Name: GenOn Energy Inc.  
Place Type: Utility  
Place Subtype: Power Plant  
Facility Type: Industrial  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 38.01228  
Place Longitude: -121.75814  
SIC Code 1: 4911  
SIC Desc 1: Electric Services  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: 450  
Threat To Water Quality: 1  
Complexity: A  
Pretreatment: X - Facility is not a POTW  
Facility Waste Type: Cooling water: Noncontact  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: NPDINDLRG  
Program Category1: NPDESWW  
Program Category2: NPDESWW  
# Of Programs: 1  
WDID: 5B072014008  
Reg Measure Id: 148182  
Reg Measure Type: NPDES Permits  
Region: 5S  
Order #: R5-2001-0107  
Npdes# CA#: CA0004863  
Major-Minor: Major  
Npdes Type: OTH  
Reclamation: N - No  
Dredge Fill Fee: Not reported  
301H: N  
Application Fee Amt Received: Not reported  
Status: Historical  
Status Date: 09/06/2017

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**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	376961
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	12/10/2010
Adoption/Issuance Date:	12/10/2010
Achieve Date:	Not reported
Termination Date:	12/10/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 12/10/2010 for Mirant Delta LLC, Contra Costa Power Plant
Description:	October 2010 SMR does not fully comply with the MRP requirements.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	5S
Facility Id:	215588
Agency Name:	GenOn Energy Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	5S
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	376671
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/19/2010
Adoption/Issuance Date:	11/19/2010
Achieve Date:	Not reported
Termination Date:	11/19/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/19/2010 for Mirant Delta LLC, Contra Costa Power Plant
Description:	September 2010 SMR does not fully comply with the MRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONTRA COSTA GENERATING STATION (Continued)

1007739419

	requirements.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	5S
Facility Id:	215588
Agency Name:	GenOn Energy Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	5S
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	367493
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	06/01/2009
Adoption/Issuance Date:	06/01/2009
Achieve Date:	Not reported
Termination Date:	06/01/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 06/01/2009 for MIRANT DELTA LLC, CONTRA COSTA POWER PLT ANTIOCH
Description:	The outfall 001 effluent grab and composite sampling location is not collected at the proper place.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	5S
Facility Id:	215588
Agency Name:	GenOn Energy Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONTRA COSTA GENERATING STATION (Continued)

1007739419

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	5S
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	354522
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/07/2008
Adoption/Issuance Date:	10/07/2008
Achieve Date:	Not reported
Termination Date:	10/07/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 10/07/2008 for MIRANT DELTA LLC
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

**NPDES:**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	5S
Regulatory Measure Id:	198176
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	5S07I016482
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/01/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/24/2001
STATUS CODE NAME:	Terminated
STATUS DATE:	06/10/2016
PLACE SIZE:	132
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	David Frandsen
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	925-779-6539
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	David.Frandsen@nrg.com
OPERATOR NAME:	NRG Delta LLC
OPERATOR ADDRESS:	PO Box 1687
OPERATOR CITY:	Antioch
OPERATOR STATE:	California
OPERATOR ZIP:	94509
OPERATOR CONTACT NAME:	David Frandsen
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	925-779-6539
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	David.Frandsen@nrg.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

OPERATOR TYPE:	Other
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	925-324-3533
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Joaquin River
CERTIFIER NAME:	Matthew Pistner
CERTIFIER TITLE:	Vice President Regional Operations
CERTIFICATION DATE:	04-JUN-15
PRIMARY SIC:	4911-Electric Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	5S
Regulatory Measure Id:	198176
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S07I016482
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/01/2016
Discharge Name:	NRG Delta LLC
Discharge Address:	PO Box 1687
Discharge City:	Antioch
Discharge State:	California
Discharge Zip:	94509
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

Agency Id:	Not reported
Region:	5S
Regulatory Measure Id:	410451
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	5S07C360144
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/06/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/21/2010
PROCESSED DATE:	01/05/2011
STATUS CODE NAME:	Terminated
STATUS DATE:	09/09/2013
PLACE SIZE:	49.19
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Chuck Hicklin
FACILITY CONTACT TITLE:	Project Manager
FACILITY CONTACT PHONE:	925-324-3558
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	chuck.hicklin@genon.com
OPERATOR NAME:	NRG Marsh Landing LLC
OPERATOR ADDRESS:	3201 C Wilbur Avenue
OPERATOR CITY:	Antioch
OPERATOR STATE:	California
OPERATOR ZIP:	94509
OPERATOR CONTACT NAME:	Charles Oliver
OPERATOR CONTACT TITLE:	Plant Manager
OPERATOR CONTACT PHONE:	925-427-3500
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	charles.oliver@nrgenergy.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	GenOn West LP
DEVELOPER ADDRESS:	696 West 10th Street
DEVELOPER CITY:	Pittsburg
DEVELOPER STATE:	California
DEVELOPER ZIP:	94565
DEVELOPER CONTACT NAME:	Charles Oliver
DEVELOPER CONTACT TITLE:	Plant Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	925-427-3500
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONTRA COSTA GENERATING STATION (Continued)**

**1007739419**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Y
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	San Joaquin River
CERTIFIER NAME:	John Chillemi
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	21-DEC-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
OAKLEY	S106230280	PG&E GAS DEHYDRATOR STATION, DUTCH	OAKLEY RD.		SLIC

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/22/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/22/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/22/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 01/05/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/17/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2018
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/17/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017	Source: EPA
Date Data Arrived at EDR: 09/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

### ***Federal institutional controls / engineering controls registries***

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 11/08/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/26/2018
	Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/12/2018
	Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/12/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 22

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 01/19/2018

Next Scheduled EDR Contact: 04/09/2018

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/30/2017

Date Data Arrived at EDR: 10/31/2017

Date Made Active in Reports: 12/15/2017

Number of Days to Update: 45

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/30/2017

Date Data Arrived at EDR: 10/31/2017

Date Made Active in Reports: 12/15/2017

Number of Days to Update: 45

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/31/2017

Next Scheduled EDR Contact: 02/12/2018

Data Release Frequency: Quarterly

## ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/13/2017

Date Data Arrived at EDR: 11/14/2017

Date Made Active in Reports: 12/07/2017

Number of Days to Update: 23

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/14/2017

Next Scheduled EDR Contact: 02/26/2018

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/11/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/12/2017	Telephone: see region list
Date Made Active in Reports: 01/11/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Varies

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017  
Date Data Arrived at EDR: 07/27/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 71

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/23/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017  
Date Data Arrived at EDR: 07/27/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 71

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 01/23/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3372
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 98	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 11/07/2017	Telephone: 206-553-2857
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/11/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/12/2017	Telephone: 866-480-1028
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 136

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 01/09/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Varies

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 36

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 12/12/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 12/26/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-7591
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 134	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 98	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/23/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/30/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/31/2017	Telephone: 916-323-3400
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 10/31/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Quarterly

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/20/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal Brownfields sites***

### **BROWNFIELDS: Considered Brownfields Sites Listing**

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2017  
Date Data Arrived at EDR: 09/21/2017  
Date Made Active in Reports: 11/09/2017  
Number of Days to Update: 49

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 12/26/2017  
Next Scheduled EDR Contact: 04/09/2018  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/21/2017  
Date Data Arrived at EDR: 09/20/2017  
Date Made Active in Reports: 12/08/2017  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### **WMUDS/SWAT: Waste Management Unit Database**

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 11/06/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: No Update Planned

#### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/12/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Quarterly

#### **HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/30/2017  
Date Data Arrived at EDR: 05/31/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 76

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 11/09/2017  
Next Scheduled EDR Contact: 02/26/2018  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 01/30/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 11/03/2017  
Next Scheduled EDR Contact: 02/12/2018  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017  
Date Data Arrived at EDR: 09/06/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 30

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/28/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: No Update Planned

### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005  
Date Data Arrived at EDR: 08/03/2006  
Date Made Active in Reports: 08/24/2006  
Number of Days to Update: 21

Source: Department of Toxic Substance Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/23/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: No Update Planned

## SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/30/2017  
Date Data Arrived at EDR: 10/31/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 45

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 10/31/2017  
Next Scheduled EDR Contact: 02/12/2018  
Data Release Frequency: Quarterly

## CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 08/18/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 34

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 01/08/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Varies

## TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/13/2017  
Date Data Arrived at EDR: 09/06/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 30

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: Quarterly

## **Local Lists of Registered Storage Tanks**

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/27/2017  
Date Data Arrived at EDR: 11/29/2017  
Date Made Active in Reports: 12/18/2017  
Number of Days to Update: 19

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 11/28/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: Annually

## HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## Local Land Records

### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/30/2017  
Date Data Arrived at EDR: 12/01/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 41

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/30/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/22/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 12/22/2017  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/04/2017	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-323-3400
Date Made Active in Reports: 01/11/2018	Last EDR Contact: 12/05/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/21/2017	Telephone: 202-366-4555
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

### **CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/26/2017	Telephone: 916-845-8400
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 01/26/2018
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/11/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/12/2017	Telephone: 866-480-1028
Date Made Active in Reports: 01/11/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/11/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/12/2017	Telephone: 866-480-1028
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 11/22/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/05/2018
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/11/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 11/17/2017  
Next Scheduled EDR Contact: 02/26/2018  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/17/2017  
Date Data Arrived at EDR: 11/01/2017  
Date Made Active in Reports: 12/08/2017  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 04/09/2018  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 11/06/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 11/09/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 12/22/2017  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 01/10/2018  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 2

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 01/10/2018  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/25/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/22/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 21

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/22/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/08/2017  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/22/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/19/2018
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/12/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/19/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/05/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/08/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/26/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/05/2017	Telephone: 202-343-9775
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/04/2018
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 11/10/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/20/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 01/09/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/17/2017  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/22/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/10/2017  
Date Data Arrived at EDR: 11/03/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 12/22/2017  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017  
Date Data Arrived at EDR: 11/28/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 11/28/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 12/01/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/12/2018
	Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 12/01/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/12/2018
	Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017	Source: Department of Interior
Date Data Arrived at EDR: 09/26/2017	Telephone: 202-208-2609
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 12/19/2017
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017	Source: EPA
Date Data Arrived at EDR: 09/06/2017	Telephone: (415) 947-8000
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/27/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2017	Telephone: 202-564-0527
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/19/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/12/2018
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/02/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/30/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/06/2017	Telephone: 202-564-2280
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/20/2017	Source: EPA
Date Data Arrived at EDR: 11/20/2017	Telephone: 800-385-6164
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/19/2018
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/05/2018
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/21/2017	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/21/2017	Telephone: 916-323-3400
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 12/26/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/09/2018
	Data Release Frequency: Quarterly

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/08/2017	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2017	Last EDR Contact: 11/30/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	Source: California Air Resources Board
Date Data Arrived at EDR: 03/21/2017	Telephone: 916-322-2990
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 12/22/2017
Number of Days to Update: 147	Next Scheduled EDR Contact: 04/02/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/03/2017	Telephone: 916-445-9379
Date Made Active in Reports: 12/07/2017	Last EDR Contact: 01/22/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/23/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/24/2017	Telephone: 916-255-3628
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/22/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/14/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 11/17/2017	Telephone: 916-341-6066
Date Made Active in Reports: 12/18/2017	Last EDR Contact: 11/09/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 02/26/2018
	Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 01/08/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirositor.

Date of Government Version: 11/20/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/20/2017	Telephone: 877-786-9427
Date Made Active in Reports: 12/27/2017	Last EDR Contact: 11/20/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/05/2018
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/20/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/20/2017	Telephone: 916-323-3400
Date Made Active in Reports: 12/27/2017	Last EDR Contact: 11/20/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/05/2018
	Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/10/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/10/2017	Telephone: 916-440-7145
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 01/09/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/11/2017	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-322-1080
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 12/12/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/29/2017	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-558-1784
Date Made Active in Reports: 01/16/2018	Last EDR Contact: 12/05/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/14/2017	Telephone: 916-445-9379
Date Made Active in Reports: 12/07/2017	Last EDR Contact: 11/14/2017
Number of Days to Update: 23	Next Scheduled EDR Contact: 02/26/2018
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/04/2017	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-445-4038
Date Made Active in Reports: 01/16/2018	Last EDR Contact: 12/05/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 35

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/12/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017  
Date Data Arrived at EDR: 12/15/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 32

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 12/13/2017  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 12/12/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/23/2015  
Number of Days to Update: 67

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 01/12/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Quarterly

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 12/19/2017  
Next Scheduled EDR Contact: 04/09/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 09/22/2017  
Date Data Arrived at EDR: 09/22/2017  
Date Made Active in Reports: 10/10/2017  
Number of Days to Update: 18

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017  
Date Data Arrived at EDR: 10/12/2017  
Date Made Active in Reports: 11/08/2017  
Number of Days to Update: 27

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 12/08/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 12/27/2017  
Number of Days to Update: 15

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 11/30/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing

Cupa facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

CUPA Facility Listing  
Cupa Facility Listing

Date of Government Version: 08/31/2017  
Date Data Arrived at EDR: 09/05/2017  
Date Made Active in Reports: 11/08/2017  
Number of Days to Update: 64

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 12/20/2017  
Next Scheduled EDR Contact: 10/09/2017  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

CUPA Facility List  
Cupa facility list.

Date of Government Version: 08/07/2017  
Date Data Arrived at EDR: 08/08/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 69

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017  
Date Data Arrived at EDR: 11/29/2017  
Date Made Active in Reports: 01/19/2018  
Number of Days to Update: 51

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

CUPA Facility List  
Cupa Facility list

Date of Government Version: 10/31/2017  
Date Data Arrived at EDR: 11/01/2017  
Date Made Active in Reports: 11/14/2017  
Number of Days to Update: 13

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## EL DORADO COUNTY:

CUPA Facility List  
CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/04/2017  
Date Data Arrived at EDR: 12/06/2017  
Date Made Active in Reports: 12/27/2017  
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/03/2017  
Date Data Arrived at EDR: 10/06/2017  
Date Made Active in Reports: 11/15/2017  
Number of Days to Update: 40

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 10/25/2017  
Date Data Arrived at EDR: 10/27/2017  
Date Made Active in Reports: 11/15/2017  
Number of Days to Update: 19

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017  
Date Data Arrived at EDR: 08/08/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 69

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 10/23/2017  
Date Data Arrived at EDR: 10/24/2017  
Date Made Active in Reports: 11/15/2017  
Number of Days to Update: 22

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## INYO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017  
Date Data Arrived at EDR: 06/09/2017  
Date Made Active in Reports: 08/04/2017  
Number of Days to Update: 56

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/07/2017  
Date Made Active in Reports: 12/20/2017  
Number of Days to Update: 43

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 28

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 11/09/2017  
Date Data Arrived at EDR: 11/10/2017  
Date Made Active in Reports: 11/15/2017  
Number of Days to Update: 5

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## LASSEN COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 07/24/2017  
Date Data Arrived at EDR: 07/26/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 82

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 12/13/2017  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: No Update Planned

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017  
Date Data Arrived at EDR: 10/12/2017  
Date Made Active in Reports: 10/17/2017  
Number of Days to Update: 5

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Semi-Annually

## List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/16/2017  
Date Data Arrived at EDR: 10/17/2017  
Date Made Active in Reports: 12/07/2017  
Number of Days to Update: 51

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 04/21/2017  
Date Made Active in Reports: 10/09/2017  
Number of Days to Update: 171

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 01/10/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 11/01/2017  
Date Data Arrived at EDR: 11/14/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 31

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 01/17/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 04/19/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 21

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 01/10/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017  
Date Data Arrived at EDR: 03/10/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 54

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018  
Date Data Arrived at EDR: 01/05/2018  
Date Made Active in Reports: 01/18/2018  
Number of Days to Update: 13

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/23/2018  
Data Release Frequency: Semi-Annually

## MADERA COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/26/2017  
Date Data Arrived at EDR: 10/27/2017  
Date Made Active in Reports: 11/06/2017  
Number of Days to Update: 10

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018  
Date Data Arrived at EDR: 01/05/2018  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 12

Source: Public Works Department Waste Management  
Telephone: 415-473-6647  
Last EDR Contact: 01/02/2018  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 10/02/2017  
Date Data Arrived at EDR: 10/03/2017  
Date Made Active in Reports: 10/17/2017  
Number of Days to Update: 14

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 11/30/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 11/21/2017  
Date Data Arrived at EDR: 11/27/2017  
Date Made Active in Reports: 12/27/2017  
Number of Days to Update: 30

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 11/21/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: Varies

## MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2017  
Date Data Arrived at EDR: 09/15/2017  
Date Made Active in Reports: 11/28/2017  
Number of Days to Update: 74

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 11/20/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/21/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: No Update Planned

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 11/22/2017  
Date Data Arrived at EDR: 11/27/2017  
Date Made Active in Reports: 12/19/2017  
Number of Days to Update: 22

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/21/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/07/2017  
Date Made Active in Reports: 11/15/2017  
Number of Days to Update: 8

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/09/2017  
Date Made Active in Reports: 12/07/2017  
Number of Days to Update: 28

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/06/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/09/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 36

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/06/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/02/2017	Source: Health Care Agency
Date Data Arrived at EDR: 11/07/2017	Telephone: 714-834-3446
Date Made Active in Reports: 12/19/2017	Last EDR Contact: 11/07/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/19/2018
	Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2017	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 09/06/2017	Telephone: 530-745-2363
Date Made Active in Reports: 11/08/2017	Last EDR Contact: 11/30/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 03/19/2018
	Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 10/23/2017	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 11/03/2017	Telephone: 530-283-6355
Date Made Active in Reports: 11/15/2017	Last EDR Contact: 01/22/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/07/2018
	Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/11/2017	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/12/2017	Telephone: 951-358-5055
Date Made Active in Reports: 11/09/2017	Last EDR Contact: 12/15/2017
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/02/2018
	Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/12/2017	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/12/2017	Telephone: 951-358-5055
Date Made Active in Reports: 11/08/2017	Last EDR Contact: 12/15/2017
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/02/2018
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/02/2017  
Date Data Arrived at EDR: 10/03/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 3

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 01/03/2018  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Quarterly

## Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2017  
Date Data Arrived at EDR: 10/03/2017  
Date Made Active in Reports: 11/16/2017  
Number of Days to Update: 44

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 01/03/2018  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017  
Date Data Arrived at EDR: 11/03/2017  
Date Made Active in Reports: 11/17/2017  
Number of Days to Update: 14

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017  
Date Data Arrived at EDR: 12/01/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 11/06/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/04/2017  
Date Data Arrived at EDR: 12/05/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 37

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 12/05/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 58

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 11/29/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/07/2017  
Date Made Active in Reports: 12/19/2017  
Number of Days to Update: 42

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/03/2017  
Date Data Arrived at EDR: 10/06/2017  
Date Made Active in Reports: 10/10/2017  
Number of Days to Update: 4

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 12/13/2017  
Next Scheduled EDR Contact: 04/02/2018  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/16/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/18/2017  
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017  
Date Data Arrived at EDR: 12/14/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/06/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Annually

## Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017  
Date Data Arrived at EDR: 12/14/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 12/13/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

Date of Government Version: 11/14/2017  
Date Data Arrived at EDR: 11/16/2017  
Date Made Active in Reports: 01/04/2018  
Number of Days to Update: 49

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 11/21/2017  
Next Scheduled EDR Contact: 03/12/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2017  
Date Data Arrived at EDR: 11/03/2017  
Date Made Active in Reports: 12/07/2017  
Number of Days to Update: 34

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 30

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017  
Date Data Arrived at EDR: 12/15/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 28

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/08/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017  
Date Data Arrived at EDR: 12/15/2017  
Date Made Active in Reports: 01/18/2018  
Number of Days to Update: 34

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/08/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/25/2017  
Date Data Arrived at EDR: 09/27/2017  
Date Made Active in Reports: 11/16/2017  
Number of Days to Update: 50

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 12/19/2017  
Next Scheduled EDR Contact: 04/09/2018  
Data Release Frequency: Varies

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/03/2017  
Date Data Arrived at EDR: 10/06/2017  
Date Made Active in Reports: 11/10/2017  
Number of Days to Update: 35

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 01/04/2018  
Next Scheduled EDR Contact: 04/09/2018  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017  
Date Data Arrived at EDR: 11/10/2017  
Date Made Active in Reports: 11/16/2017  
Number of Days to Update: 6

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/01/2017  
Date Data Arrived at EDR: 12/04/2017  
Date Made Active in Reports: 12/19/2017  
Number of Days to Update: 15

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 12/01/2017  
Next Scheduled EDR Contact: 03/19/2018  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA Facility List

Cupa facilities

Date of Government Version: 11/16/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/18/2017  
Number of Days to Update: 31

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 11/14/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 10/23/2017  
Date Data Arrived at EDR: 10/24/2017  
Date Made Active in Reports: 11/16/2017  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## TULARE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa program facilities

Date of Government Version: 09/27/2017  
Date Data Arrived at EDR: 09/28/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 12/18/2017  
Next Scheduled EDR Contact: 02/19/2018  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 10/24/2017  
Date Data Arrived at EDR: 10/25/2017  
Date Made Active in Reports: 11/16/2017  
Number of Days to Update: 22

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2017  
Date Data Arrived at EDR: 10/25/2017  
Date Made Active in Reports: 12/07/2017  
Number of Days to Update: 43

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 12/26/2017  
Next Scheduled EDR Contact: 04/16/2018  
Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 11/08/2017  
Next Scheduled EDR Contact: 02/26/2018  
Data Release Frequency: Quarterly

### Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2017  
Date Data Arrived at EDR: 10/25/2017  
Date Made Active in Reports: 12/07/2017  
Number of Days to Update: 43

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/27/2017	Source: Environmental Health Division
Date Data Arrived at EDR: 12/13/2017	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2018	Last EDR Contact: 12/11/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/26/2018
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/09/2018	Telephone: 530-666-8646
Date Made Active in Reports: 01/19/2018	Last EDR Contact: 01/02/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/08/2017	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 11/10/2017	Telephone: 530-749-7523
Date Made Active in Reports: 11/16/2017	Last EDR Contact: 01/29/2018
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/14/2018
	Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2017	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/14/2017	Telephone: 860-424-3375
Date Made Active in Reports: 12/18/2017	Last EDR Contact: 11/14/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/26/2018
	Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/11/2017	Telephone: N/A
Date Made Active in Reports: 07/27/2017	Last EDR Contact: 01/05/2018
Number of Days to Update: 107	Next Scheduled EDR Contact: 04/23/2018
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2017  
Date Data Arrived at EDR: 11/01/2017  
Date Made Active in Reports: 11/13/2017  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/01/2017  
Next Scheduled EDR Contact: 02/12/2018  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/25/2017  
Date Made Active in Reports: 09/25/2017  
Number of Days to Update: 62

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/16/2017  
Next Scheduled EDR Contact: 03/05/2018  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 04/13/2017  
Date Made Active in Reports: 07/14/2017  
Number of Days to Update: 92

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/11/2017  
Next Scheduled EDR Contact: 03/26/2018  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

## Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

3530 E.18TH STREET  
3530 E.18TH STREET  
ANTIOCH, CA 94509

### TARGET PROPERTY COORDINATES

Latitude (North): 38.002197 - 38° 0' 7.91"  
Longitude (West): 121.757084 - 121° 45' 25.50"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 609126.2  
UTM Y (Meters): 4206582.0  
Elevation: 47 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 5619678 ANTIOCH NORTH, CA  
Version Date: 2012

Northeast Map: 5629060 JERSEY ISLAND, CA  
Version Date: 2012

Southeast Map: 5640376 BRENTWOOD, CA  
Version Date: 2012

Southwest Map: 5640044 ANTIOCH SOUTH, CA  
Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

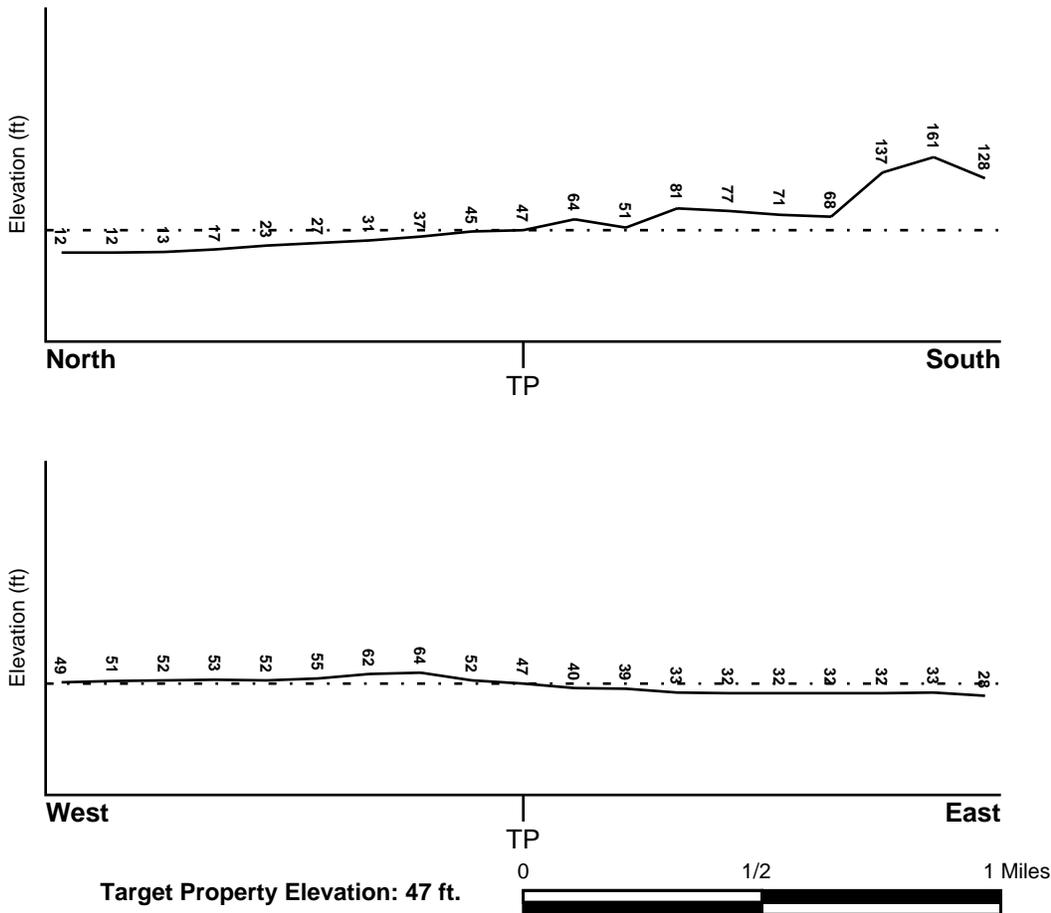
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06013C0144G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06013C0163G	FEMA FIRM Flood data
06013C0332F	FEMA FIRM Flood data
06013C0355F	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ANTIOCH NORTH	YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

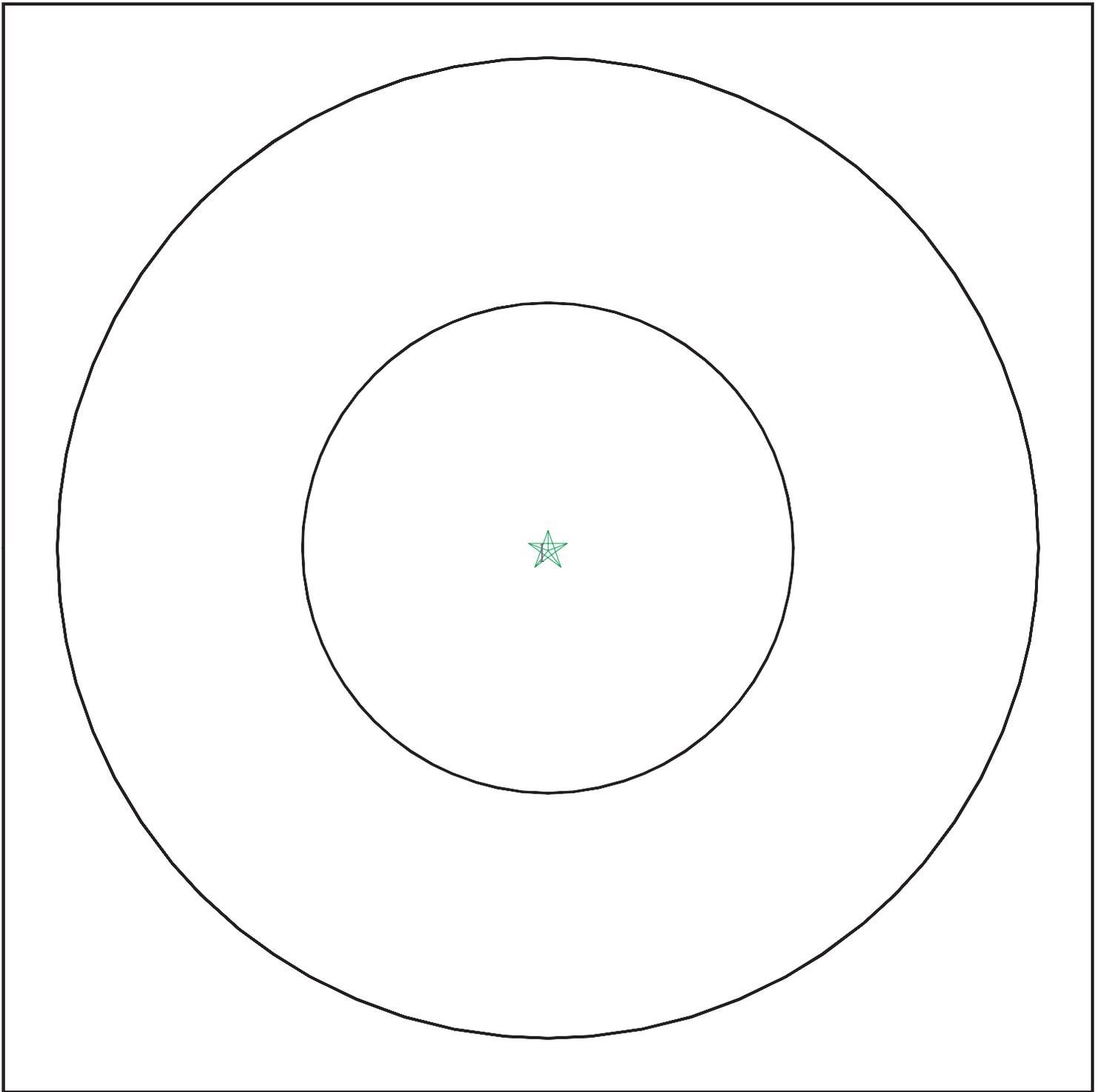
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 05174049.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 3530 E.18th Street  
ADDRESS: 3530 E.18th Street  
Antioch CA 94509  
LAT/LONG: 38.002197 / 121.757084

CLIENT: Rincon  
CONTACT: Sarah Larese  
INQUIRY #: 05174049.2r  
DATE: January 31, 2018 3:25 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: DELHI

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	5 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000186484	1/4 - 1/2 Mile WNW
3	USGS40000186488	1/2 - 1 Mile WNW
5	USGS40000186494	1/2 - 1 Mile ENE
6	USGS40000186480	1/2 - 1 Mile West
7	USGS40000186487	1/2 - 1 Mile ENE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

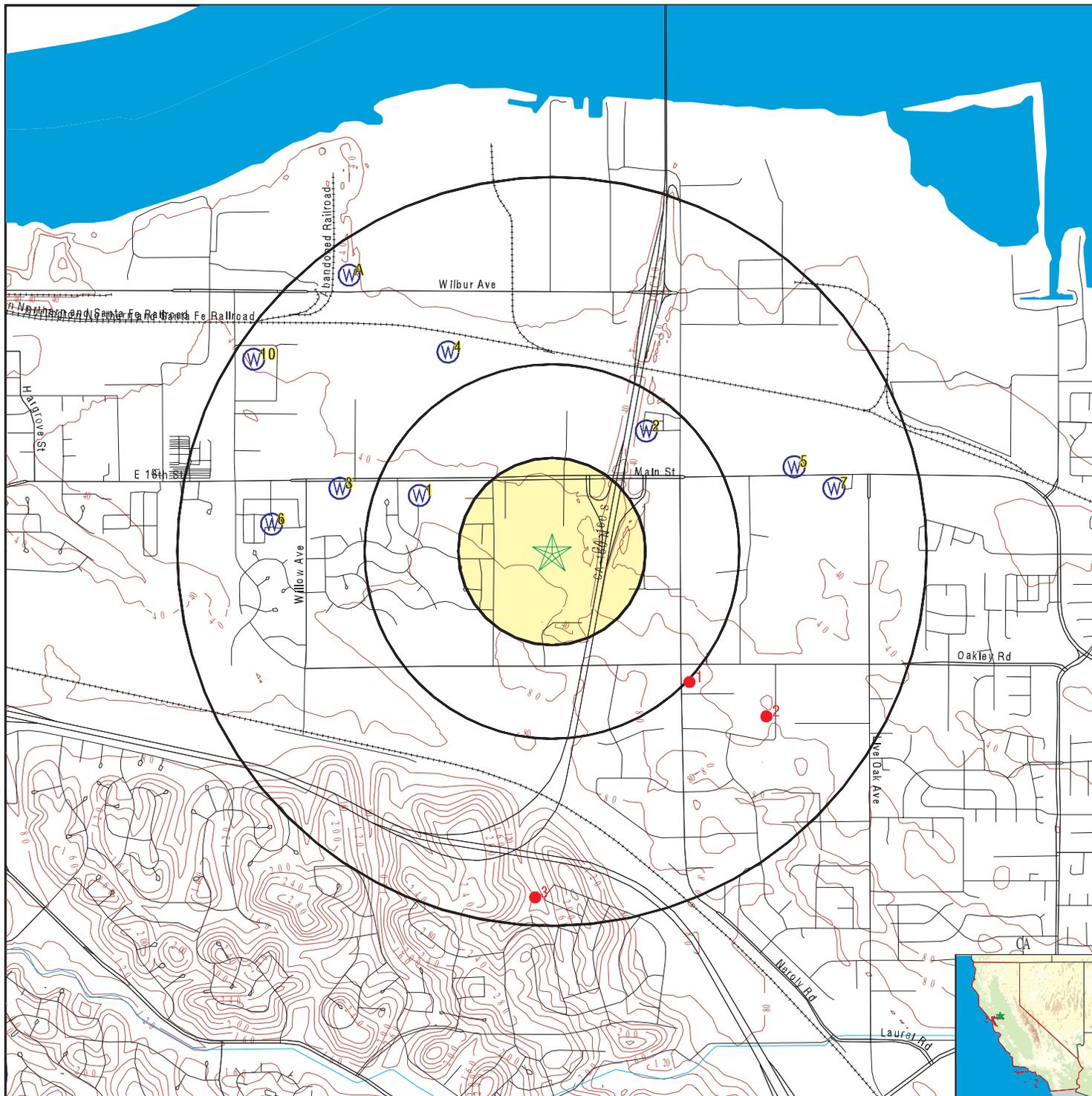
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	1683	1/4 - 1/2 Mile NE
4	1682	1/2 - 1 Mile NNW
A8	CADW60000009996	1/2 - 1 Mile NW
A9	CADW60000036043	1/2 - 1 Mile NW
10	1680	1/2 - 1 Mile WNW

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000232732	1/2 - 1 Mile SE
2	CAOG11000232565	1/2 - 1 Mile SE
3	CAOG11000232566	1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 05174049.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p>SITE NAME: 3530 E.18th Street          ADDRESS: 3530 E.18th Street          Antioch CA 94509          LAT/LONG: 38.002197 / 121.757084</p>	<p>CLIENT: Rincon          CONTACT: Sarah Larese          INQUIRY #: 05174049.2r          DATE: January 31, 2018 3:25 pm</p>
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**WNW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40000186484**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-380016121454501		
Monloc name:	002N002E21L001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.004366
Longitude:	-121.7635656	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19620101	Welldepth:	140
Welldepth units:	ft	Wellholedepth:	140
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-04-10	22.8		1980-04-10	22.8	
1962-01-01	50.00		1962-01-01	50.00	

**2**  
**NE**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS      1683**

**Water System Information:**

Prime Station Code:	02N/02E-21H01 M	User ID:	07C
FRDS Number:	0707548001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380025.0 1214505.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707548		
System Name:	LODGE WATER SYSTEM		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**3**  
**WNW**      **FED USGS**      **USGS40000186488**  
**1/2 - 1 Mile**  
**Higher**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-380017121455901		
Monloc name:	002N002E21K001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.0046437
Longitude:	-121.7674546	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	44.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19520501	Welldepth:	120
Welldepth units:	ft	Wellholedepth:	120
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**4**  
**NNW**      **CA WELLS**      **1682**  
**1/2 - 1 Mile**  
**Lower**

**Water System Information:**

Prime Station Code:	02N/02E-21C01 M	User ID:	07C
FRDS Number:	0707554001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380036.0 1214540.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707554		
System Name:	RIVERVIEW MOTEL		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

**5**  
**ENE**      **FED USGS**      **USGS40000186494**  
**1/2 - 1 Mile**  
**Lower**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-380020121443901		
Monloc name:	002N002E22F001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.0054771
Longitude:	-121.7452318	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19540101	Welldepth:	66
Welldepth units:	ft	Wellholedepth:	66
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 22

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-09-24	13.38		1982-04-28	12.50	
1981-09-17	14.98		1981-04-21	14.50	
1980-09-24	13.80		1980-04-10	13.02	
1979-09-24	14.93		1979-04-17	14.00	
1978-09-25	14.62		1978-04-17	13.66	
1977-09-13	16.57		1977-04-26	16.08	
1976-09-15	15.90		1976-04-12	15.80	
1975-09-16	15.38		1975-04-07	14.68	
1974-09-24	14.82		1974-03-11	14.05	
1973-10-04	13.89		1973-03-21	12.24	
1973-02-20	13.02		1973-01-25	14.03	

**6**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000186480**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-380012121461101		
Monloc name:	002N002E20J001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.0032549
Longitude:	-121.770788	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	18700101	Welldepth:	95
Welldepth units:	ft	Wellholedepth:	95
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**7**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000186487**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-380017121443201		
Monloc name:	002N002E22L001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.0046438
Longitude:	-121.7432874	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	32.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19620601	Welldepth:	63
Welldepth units:	ft	Wellholedepth:	63
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 18

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-09-24	23.18		1982-09-24	23.18	
1982-04-28	22.29		1982-04-28	22.29	
1981-09-17	24.85		1981-09-17	24.85	
1981-04-21	24.32		1981-04-21	24.32	
1980-09-26	23.52		1980-09-26	23.52	
1980-09-24	26.20				
Note: The site was being pumped.					
1980-09-24	26.20				
Note: The site was being pumped.					
1980-04-10	22.8		1980-04-10	22.8	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-10-25	23.7		1979-10-25	23.7	
1962-06-01	20.00		1962-06-01	20.00	

**A8  
NW  
1/2 - 1 Mile  
Lower**

**CA WELLS      CADW6000009996**

Objectid: 9996  
 Latitude: 38.0129  
 Longitude: -121.767  
 Site code: 380129N1217670W001  
 State well numbe: 02N02E16M999M  
 Local well name: '02N02E16 (s)'  
 Well use id: 1  
 Well use descrip: Observation  
 County id: 7  
 County name: Contra Costa  
 Basin code: '5-22.15'  
 Basin desc: Tracy  
 Dwr region id: 80236  
 Dwr region: North Central Region Office  
 Site id: CADW6000009996

**A9  
NW  
1/2 - 1 Mile  
Lower**

**CA WELLS      CADW60000036043**

Objectid: 36043  
 Latitude: 38.0129  
 Longitude: -121.767  
 Site code: 380129N1217670W002  
 State well numbe: 02N02E16M998M  
 Local well name: '02N02E16 (d)'  
 Well use id: 1  
 Well use descrip: Observation  
 County id: 7  
 County name: Contra Costa  
 Basin code: '5-22.15'  
 Basin desc: Tracy  
 Dwr region id: 80236  
 Dwr region: North Central Region Office  
 Site id: CADW60000036043

**10  
WNW  
1/2 - 1 Mile  
Lower**

**CA WELLS      1680**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Water System Information:

Prime Station Code:	02N/02E-20A02 M	User ID:	07C
FRDS Number:	0707506001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380035.0 1214614.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707506		
System Name:	SANTA FE APARTMENTS		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**  
**SE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG11000232732**

District nun:	6	Api number:	01320142
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Contra Costa	Fieldname:	Any Field
Area name:	Any Area	Section:	27
Township:	02N	Range:	02E
Base meridian:	MD	Elevation:	77
Gissourcec:	hud		
Comments:	Status Code 006		
Leasename:	Calplans-New Love	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	09-OCT-79
Welldeptha:	6985		
Redrillfoo:	0		
Abandonedd:	23-OCT-79	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000232732		

**2**  
**SE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG11000232565**

District nun:	6	Api number:	01300277
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Occidental Petroleum Corporation		
County name:	Contra Costa	Fieldname:	Any Field
Area name:	Any Area	Section:	27
Township:	02N	Range:	02E
Base meridian:	MD	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Status Code 006		
Leasename:	Shell-Continente	Wellnumber:	1-27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-AUG-66
Welldeptha:	7105		
Redrillfoo:	0		
Abandonedd:	25-AUG-66	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000232565		

**3**  
**South**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG11000232566**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	6	Api number:	01300278
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Brazos Oil and Gas Company		
County name:	Contra Costa	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	02N	Range:	02E
Base meridian:	MD	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Status Code 006		
Leasename:	Antioch Unit A	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	05-DEC-62
Welldeptha:	660		
Redrillfoo:	0		
Abandonedd:	14-DEC-62	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000232566		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94509	9	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 94509

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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# Appendix C

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Historical Research Documentation



**3530 E.18th Street**

3530 E.18th Street

Antioch, CA 94509

Inquiry Number: 5174049.9

January 31, 2018

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

3530 E.18th Street  
 3530 E.18th Street  
 Antioch, CA 94509  
 EDR Inquiry # 5174049.9

**Client Name:**

Rincon  
 180 North Ashwood Avenue  
 Ventura, CA 93003-0000  
 Contact: Sarah Larese



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Flight Date: August 22, 1998	USDA
1993	1"=500'	Acquisition Date: June 12, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: September 01, 1984	USGS
1982	1"=500'	Flight Date: July 05, 1982	USDA
1979	1"=500'	Flight Date: August 16, 1979	USDA
1972	1"=500'	Flight Date: July 06, 1972	USDA
1966	1"=500'	Flight Date: May 15, 1966	USDA
1963	1"=500'	Flight Date: July 15, 1963	USGS
1958	1"=500'	Flight Date: August 09, 1958	USDA
1950	1"=500'	Flight Date: March 12, 1950	USDA
1949	1"=500'	Flight Date: October 13, 1949	USGS
1939	1"=500'	Flight Date: June 28, 1939	USDA
1937	1"=500'	Flight Date: August 20, 1937	USDA

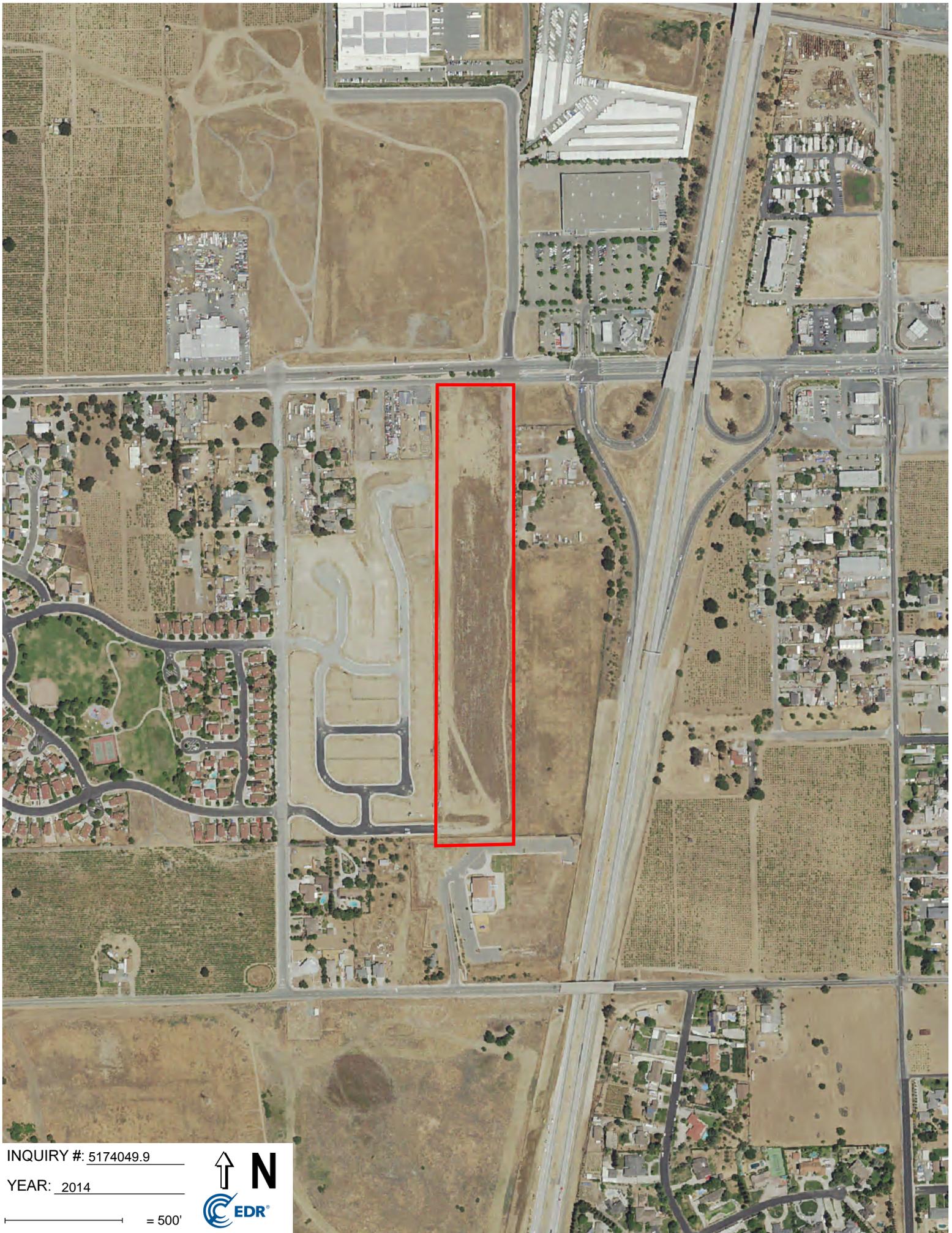
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INQUIRY #: 5174049.9

YEAR: 2014

— = 500'





INQUIRY #: 5174049.9

YEAR: 2010

— = 500'





INQUIRY #: 5174049.9

YEAR: 2006

— = 500'





INQUIRY #: 5174049.9

YEAR: 1998

— = 500'





INQUIRY #: 5174049.9

YEAR: 1993

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5174049.9

YEAR: 1984

— = 500'





INQUIRY #: 5174049.9

YEAR: 1982

— = 500'





INQUIRY #: 5174049.9

YEAR: 1979

— = 500'





INQUIRY #: 5174049.9

YEAR: 1972

— = 500'





INQUIRY #: 5174049.9

YEAR: 1966

— = 500'



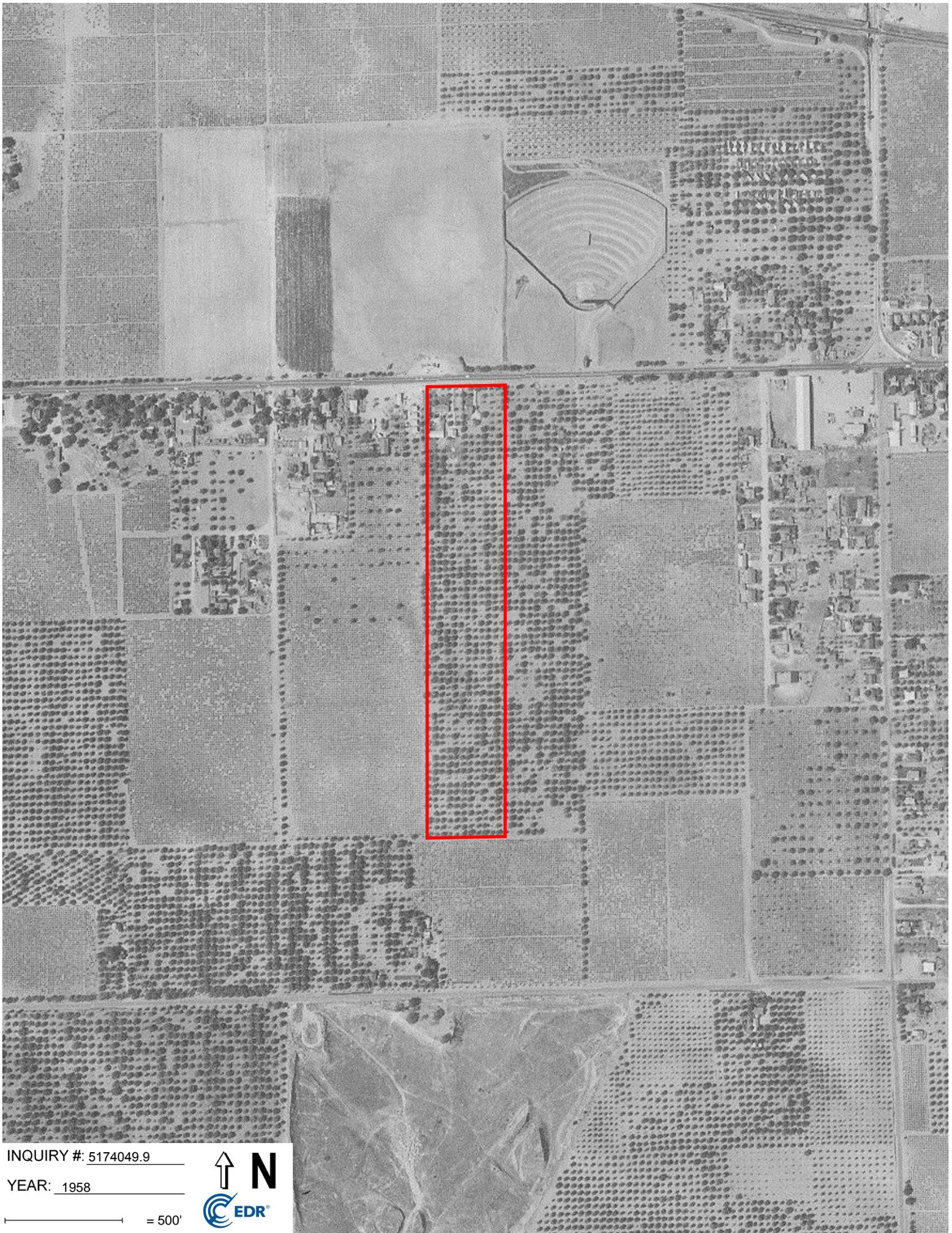


INQUIRY #: 5174049.9

YEAR: 1963

— = 500'





INQUIRY #: 5174049.9

YEAR: 1958

— = 500'





INQUIRY #: 5174049.9

YEAR: 1950

— = 500'





INQUIRY #: 5174049.9

YEAR: 1949

— = 500'





INQUIRY #: 5174049.9

YEAR: 1939

— = 500'





INQUIRY #: 5174049.9

YEAR: 1937

— = 500'



**3530 E.18th Street**

3530 E.18th Street  
Antioch, CA 94509

Inquiry Number: 5174049.5  
February 02, 2018

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

*infoUSA*<sup>®</sup>

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1994	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1989	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1985	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

## FINDINGS

### TARGET PROPERTY STREET

3530 E.18th Street  
Antioch, CA 94509

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### E 18TH ST

2014	pg A1	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A5	EDR Digital Archive	
2000	pg A7	EDR Digital Archive	
1994	pg A9	Haines Criss-Cross Directory	
1989	pg A10	Haines Criss-Cross Directory	
1985	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1980	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1975	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source

## FINDINGS

### CROSS STREETS

Year

CD Image

Source

### HOLUB LN

2014	pg. A2	EDR Digital Archive	
2010	pg. A4	EDR Digital Archive	
2005	pg. A6	EDR Digital Archive	
2000	pg. A8	EDR Digital Archive	
1994	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1989	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1985	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1980	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

## **City Directory Images**

**E 18TH ST**

**2014**

3265 BRENTWOOD V-TWIN  
3275 A1 TUNE & LUBE  
3291 RELIABLE AUTO  
3300 COUNTY PAVING COMPANY INC  
3400 SCHROEDER, LISA  
3420 M & M AUTO REPAIR  
3500 GOTCHA BAIT & TACKLE  
3540 OCCUPANT UNKNOWN,  
3560 OCCUPANT UNKNOWN,  
3605 BURGER KING  
3625 KMART CORPORATION  
3629 TRINITY CAR WASH  
UHAUL CO

**HOLUB LN 2014**

1815 NO LIMITS PERSONAL FITNESS LLC  
REYES, GABRIEL L  
1841 HOLUB, ARNOLD E  
1898 EAST COUNTY PROCESS

**E 18TH ST      2010**

3265 BRENTWOOD V-TWIN  
3275 A1 TUNE & LUBE  
3291 LEONARDS SMOG & AUTO REPAIR  
3300 COUNTY PAVING CO INC  
3400 OCCUPANT UNKNOWN,  
3420 EL PATO GENERAL AUTO TRUC  
M & M AUTO REPAIR  
3500 GOTCHA BAIT &TACKLE  
3540 OCCUPANT UNKNOWN,  
3560 OCCUPANT UNKNOWN,  
3625 EFT  
K MART CORPORATION  
MELDISCO K-M 3625 E 18TH ST CA  
3629 MISSION PETROLEUM INC  
UHAUL CO

**HOLUB LN 2010**

1815 ADAMS, JERRY  
1841 HOLUB, ARNOLD E

**E 18TH ST**

**2005**

3265 LINE X KUSTOMS & ACCESSORIES  
3275 A1 TUNE & LUBE  
3277 MAHONEYS RADIATORS  
3281 MABACA LLC  
3285 ALL SEASONS SPA & STOVE  
3291 D & K AUTOMOTIVE  
3295 RUDNICKI KEVIN  
3300 COUNTY PAVING CO INC  
3400 MAZZONCINI, FRED M  
3410 OCCUPANT UNKNOWN,  
3420 BAY AUTOMOTIVE  
M & M AUTO REPAIR  
OCCUPANT UNKNOWN,  
3500 GOTCHA BAIT &TACKLE  
PIPKINS, MICHAEL  
3540 WILSON, D R  
3560 JOHNSON, VIDA F  
3625 KMART CORPORATION  
MELDISCO K-M 3625 E 18TH ST CA  
OLAN MILLS INC  
3629 OM NUMO INC  
TRINITY COMMERCIAL ENTERPRISES

**HOLUB LN 2005**

1841 HOLUB, ARNOLD E

**E 18TH ST      2000**

3255 BELTRAM, HARRY B  
3257 OCCUPANT UNKNOWN,  
3275 A1 TUNE & LUBE  
3277 CURCURUTO RICK  
3291 D&K AUTOMOTIVE  
3295 RUDNICKI KEVIN  
3400 MAZZONCINI, FRED  
3410 DECKS BY DESIGN  
3500 GOTCHA BAIT &TACKLE  
OCCUPANT UNKNOWN,  
3540 HARRINGTON, WILLIAM M  
WILSON, D R  
3560 JOHNSON, VIDA  
3605 AMERIKING INC  
3625 KMART CORPORATION  
OLAN MILLS INC  
PCA INTERNATIONAL INC

**HOLUB LN 2000**

1841 HOLUB, ARNOLD  
HOWAT, JAMES

## E 18TH ST 1994

2820	★ HYDROCLEAN INC	778-9301	14
3020	★ TALIANI A	757-5124	3
3100	★ MACS OLD HOUSE	757-9908	0
	MCKINNEY Floyd J	754-3206	+4
3120	★ RIVERVIEW MOTEL	757-3378	7
3200	★ ERNIES HOT DOGS	754-4710	8
	ESPINOZA Felix	757-1370	+4
	MCALEXANDER Kyle	757-7080	+4
	★ OLD HWY 4 B CRAIG	754-4209	
3215	★ BIG BOYS TOYS INC	779-9363	0
3245	★ ARROWHEAD 24 HR TWG	634-8600	+4
3255	★ MOMS CAR LOT	757-4111	+4
	★ MOMS RENT A CAR	757-5450	+4
3257	★ PERFECTION PLUS	754-2130	2
	★ RICKS AUTOMOTIVE CT	754-6991	0
3259	XXXX	00	
3265	★ TULLY INS AGCY BRKR	708-2930	+4
3267	XXXX	00	
3275	XXXX	00	
3285	XXXX	00	
3291	★ R&R AUTO BROKERS	778-5043	2
	★ RONS MBL AUTO RPR	778-5043	
3295	★ CARSTENS PAINT&BODY	778-9611	2
3400	★ MAZZONCINI FRED	757-4940	+4
3420	★ COSTAS ANTIQUES	757-6516	+4
3500	★ PANFILI BAIT&TACKLE	757-5343	+4
	★ PANFILI BAIT&TACKLE	757-4970	+4
3540	CONDON Robert L	754-7153	+4
3560	JOHNSON Vida	757-3892	+4
3599	★ PICKETT&SONS CONSTR	777-0135	+4
NO #	WILLIAMS Harvey	757-2039	7
★	96 BUS	49 RES	37 NEW

**E 18TH ST 1989**

3120	★RIVERVIEW MOTEL	757-3378	7
3200	AUSMUS Dannel	778-4105	8
	★ERNIES HOT DOGS	754-4710	8
	★HIGHWAY 4 REALTY	754-4209	7
	★OLD HGWY 4 MRTG	754-4209	7
	★OLD HGWY 4 RLTY&LNS	754-4209	
3285	★BIG BOYS TOYS	778-4711	+9
NO #	★ANTIOCH MONUMENT CO	754-7040	
NO #	★COSTAS ANTIQUES	757-6516	7
NO #	★CROWN ANTIOCH CR UN	757-6517	0
NO #	★FREDS RADIO&TV SERV	757-4940	
NO #	HERSCHELMAN Pete	757-9722	8
NO #	HUNT Elva	757-0563	7
NO #	LAW Max F	757-0430	7
NO #	MAZZONCINI Fred	757-4940	
NO #	MCKINNEY Floyd J	754-3206	
NO #	★PANFILI BAIT&TACKLE	757-5343	
NO #	★PANFILIS BAIT&TCKL	757-4970	
NO #	WILLIAMS Harvey	757-2039	7
	★ 72 BUS 33 RES	18 NEW	



3530 E.18th Street

3530 E.18th Street

Antioch, CA 94509

Inquiry Number: 5174049.3

January 31, 2018

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

01/31/18

**Site Name:**

3530 E.18th Street  
3530 E.18th Street  
Antioch, CA 94509  
EDR Inquiry # 5174049.3

**Client Name:**

Rincon  
180 North Ashwood Avenue  
Ventura, CA 93003-0000  
Contact: Sarah Larese



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Rincon were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** ABD7-4F5F-B04B

**PO #** 17-05135

**Project** 17-05135

### UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: ABD7-4F5F-B04B

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- Library of Congress
- University Publications of America
- EDR Private Collection

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3530 E.18th Street

3530 E.18th Street

Antioch, CA 94509

Inquiry Number: 5174049.4

January 31, 2018

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

01/31/18

**Site Name:**

3530 E. 18th Street  
3530 E. 18th Street  
Antioch, CA 94509  
EDR Inquiry # 5174049.4

**Client Name:**

Rincon  
180 North Ashwood Avenue  
Ventura, CA 93003-0000  
Contact: Sarah Larese



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Rincon were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	17-05135	<b>Latitude:</b>	38.002197 38° 0' 8" North
<b>Project:</b>	17-05135	<b>Longitude:</b>	-121.757084 -121° 45' 26" West
		<b>UTM Zone:</b>	Zone 10 North
		<b>UTM X Meters:</b>	609123.54
		<b>UTM Y Meters:</b>	4206787.58
		<b>Elevation:</b>	47.23' above sea level

**Maps Provided:**

2012	1908, 1912
1978, 1980	1907
1973	1898
1968	1896
1952, 1953, 1954	
1940, 1943	
1916, 1918	
1910, 1914	

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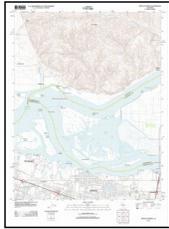
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## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2012 Source Sheets



Antioch North  
2012  
7.5-minute, 24000



Jersey Island  
2012  
7.5-minute, 24000



Antioch South  
2012  
7.5-minute, 24000



Brentwood  
2012  
7.5-minute, 24000

### 1978, 1980 Source Sheets



Antioch North  
1978  
7.5-minute, 24000  
Aerial Photo Revised 1974



Jersey Island  
1978  
7.5-minute, 24000  
Aerial Photo Revised 1974



Brentwood  
1978  
7.5-minute, 24000  
Aerial Photo Revised 1974



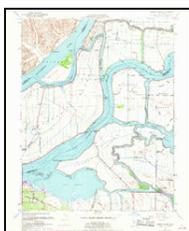
Antioch South  
1980  
7.5-minute, 24000  
Aerial Photo Revised 1978

### 1973 Source Sheets



Antioch South  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1973

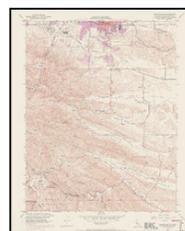
### 1968 Source Sheets



Jersey Island  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968



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1968  
7.5-minute, 24000  
Aerial Photo Revised 1968



Antioch South  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968

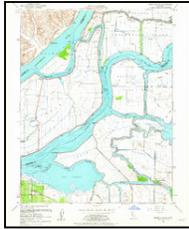


Brentwood  
1968  
7.5-minute, 24000  
Aerial Photo Revised 1968

## Topo Sheet Key

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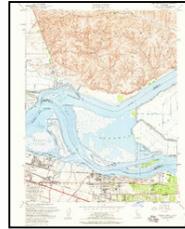
### 1952, 1953, 1954 Source Sheets



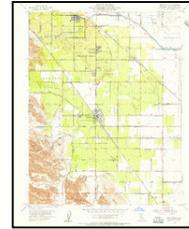
Jersey Island  
1952  
7.5-minute, 24000  
Aerial Photo Revised 1949



Antioch South  
1953  
7.5-minute, 24000  
Aerial Photo Revised 1949



Antioch North  
1953  
7.5-minute, 24000  
Aerial Photo Revised 1949

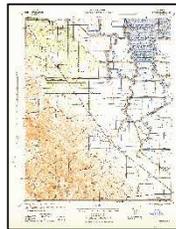


Brentwood  
1954  
7.5-minute, 24000  
Aerial Photo Revised 1949

### 1940, 1943 Source Sheets



Byron  
1940  
15-minute, 62500  
Aerial Photo Revised 1940



BYRON  
1943  
15-minute, 62500

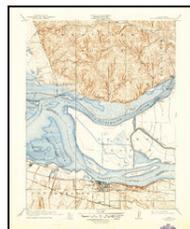


Mt. Diablo  
1943  
15-minute, 62500  
Aerial Photo Revised 1937

### 1916, 1918 Source Sheets

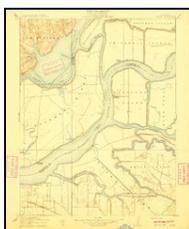


Lone Tree Valley  
1916  
7.5-minute, 31680



Collinsville  
1918  
7.5-minute, 31680

### 1910, 1914 Source Sheets



Jersey  
1910  
7.5-minute, 31680



Brentwood  
1914  
7.5-minute, 31680

## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1908, 1912 Source Sheets**



Antioch  
1908  
15-minute, 62500

### **1907 Source Sheets**



Antioch  
1907  
15-minute, 62500

### **1898 Source Sheets**

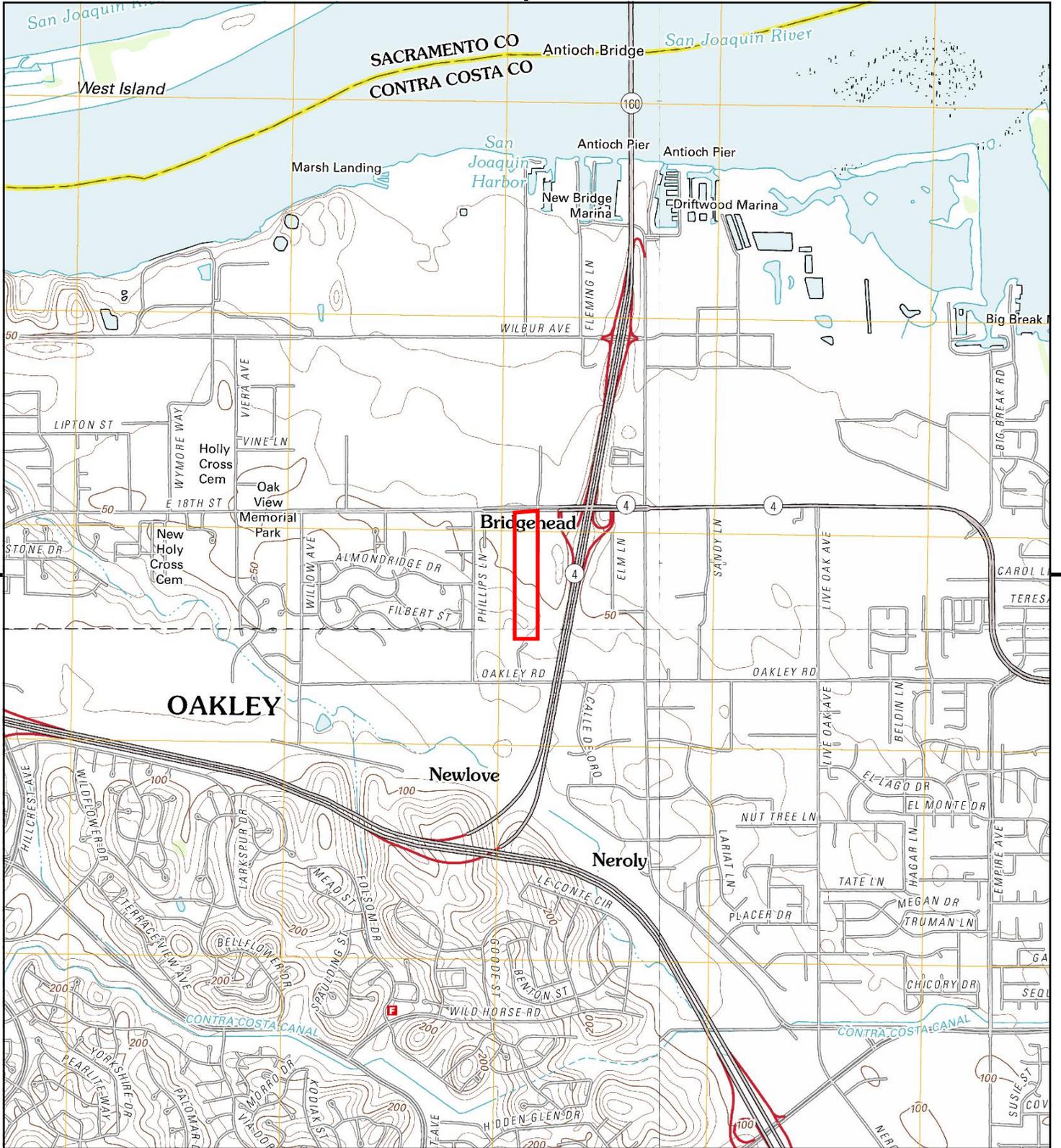


Mt. Diablo  
1898  
15-minute, 62500

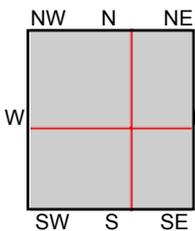
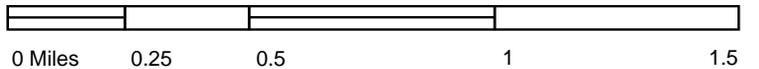
### **1896 Source Sheets**



Mt. Diablo  
1896  
15-minute, 62500



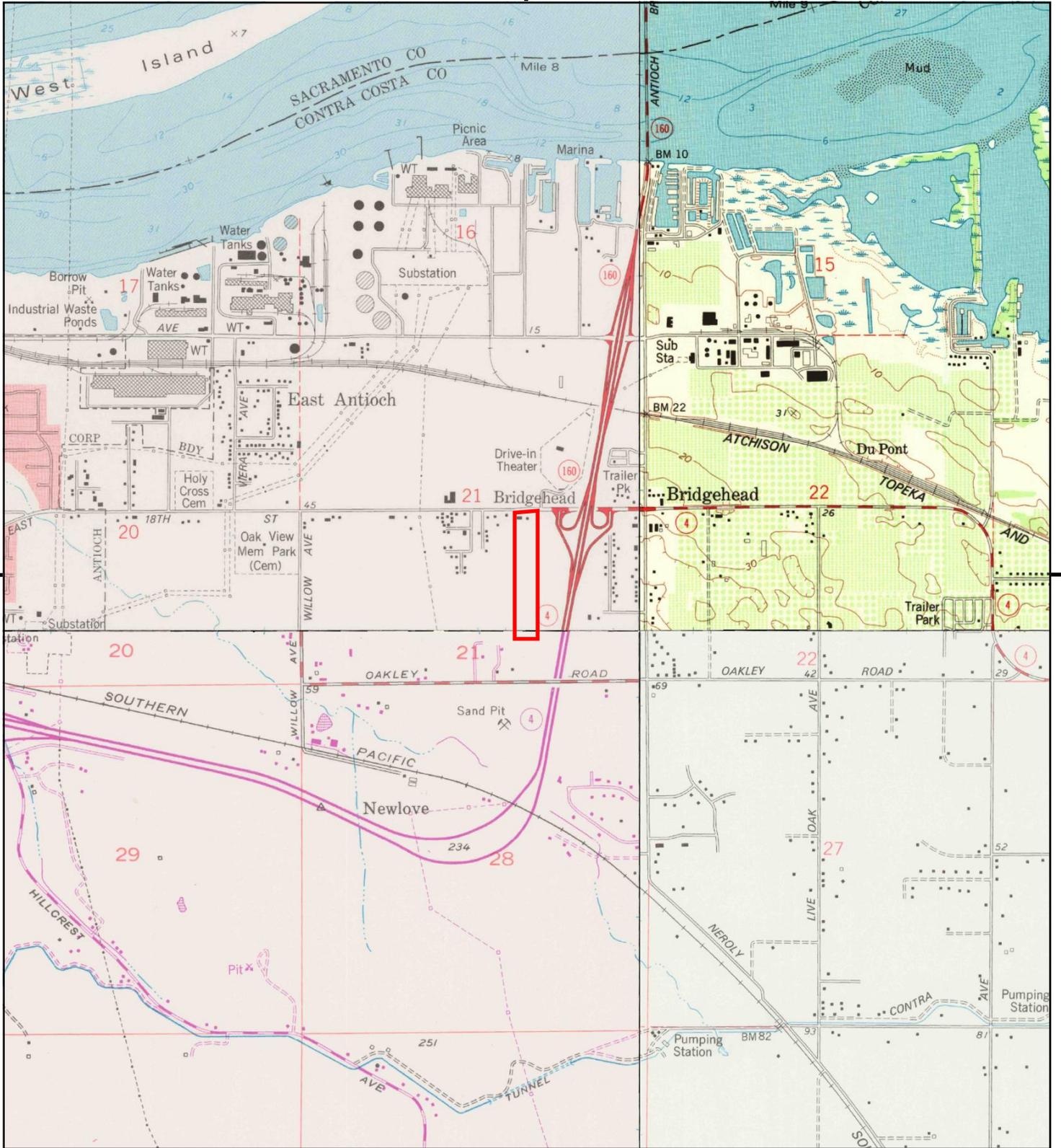
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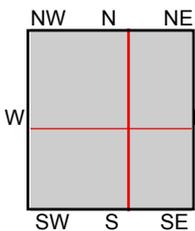
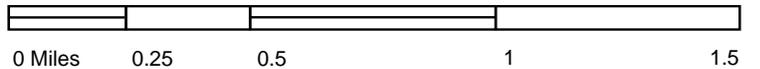
TP, Antioch North, 2012, 7.5-minute  
 NE, Jersey Island, 2012, 7.5-minute  
 SE, Brentwood, 2012, 7.5-minute  
 SW, Antioch South, 2012, 7.5-minute

**SITE NAME:** 3530 E.18th Street  
**ADDRESS:** 3530 E.18th Street  
 Antioch, CA 94509  
**CLIENT:** Rincon





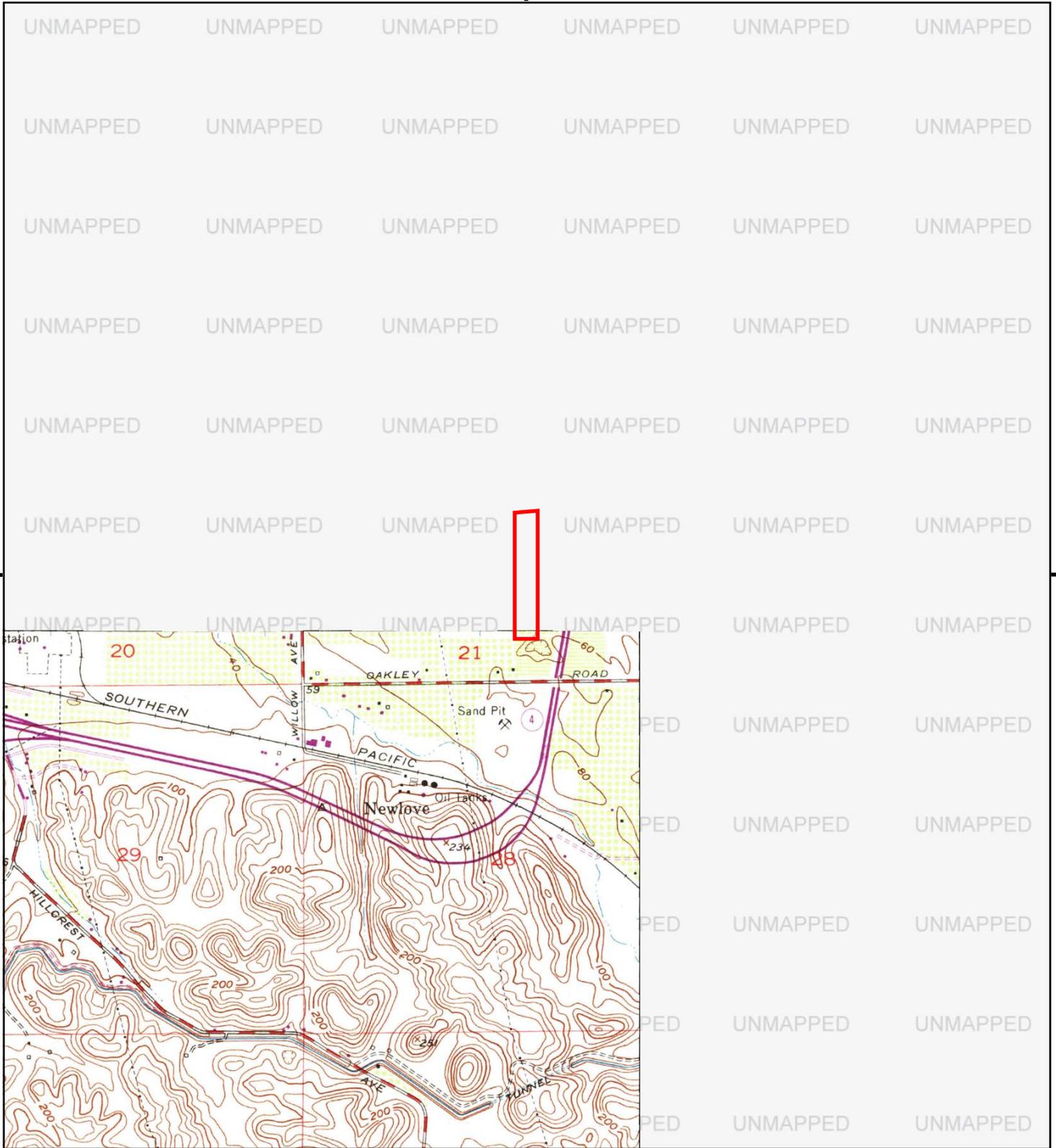
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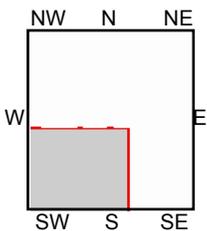
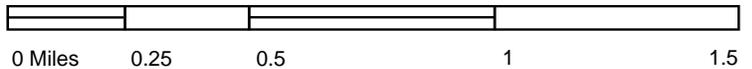
TP, Antioch North, 1978, 7.5-minute  
 NE, Jersey Island, 1978, 7.5-minute  
 SE, Brentwood, 1978, 7.5-minute  
 SW, Antioch South, 1980, 7.5-minute

**SITE NAME:** 3530 E.18th Street  
**ADDRESS:** 3530 E.18th Street  
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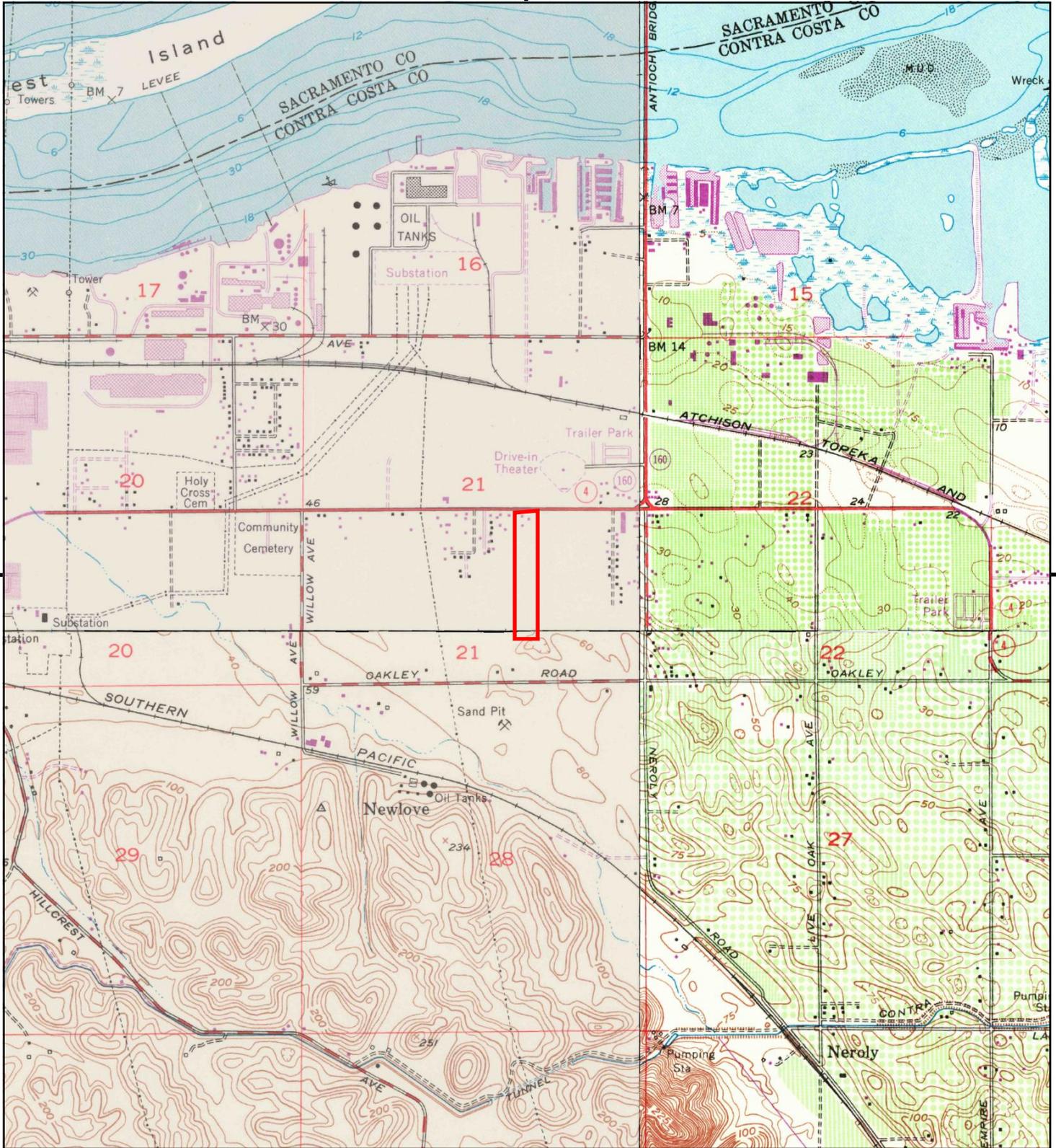
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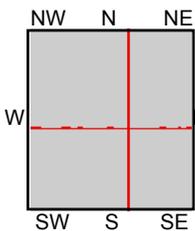
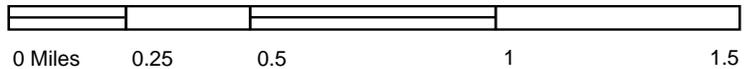
SW, Antioch South, 1973, 7.5-minute

**SITE NAME:** 3530 E.18th Street  
**ADDRESS:** 3530 E.18th Street  
 Antioch, CA 94509  
**CLIENT:** Rincon





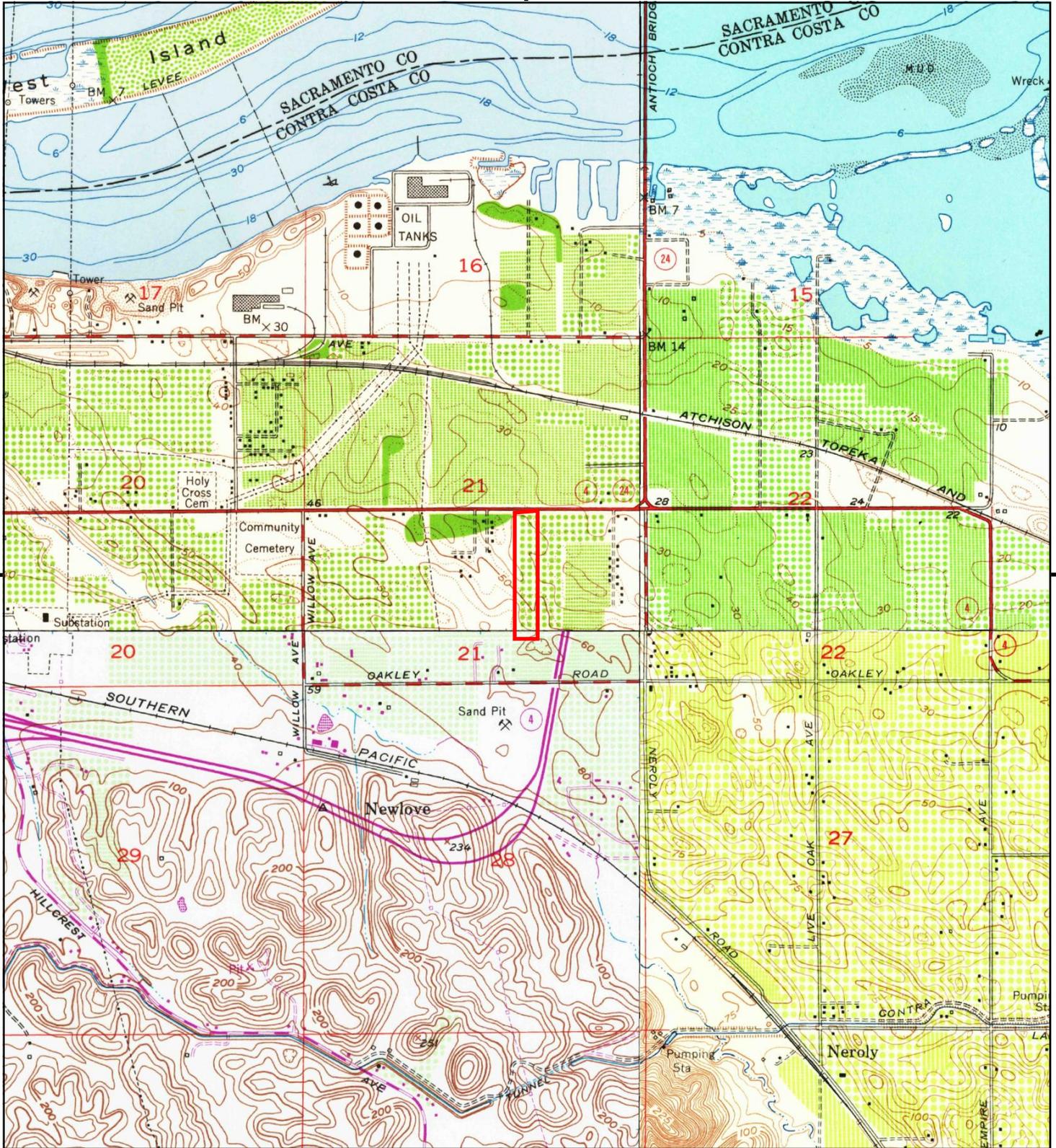
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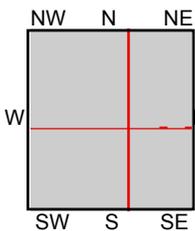
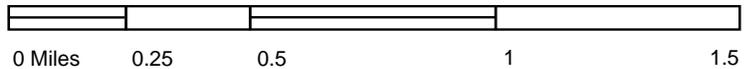
TP, Antioch North, 1968, 7.5-minute  
 NE, Jersey Island, 1968, 7.5-minute  
 SE, Brentwood, 1968, 7.5-minute  
 SW, Antioch South, 1968, 7.5-minute

SITE NAME: 3530 E.18th Street  
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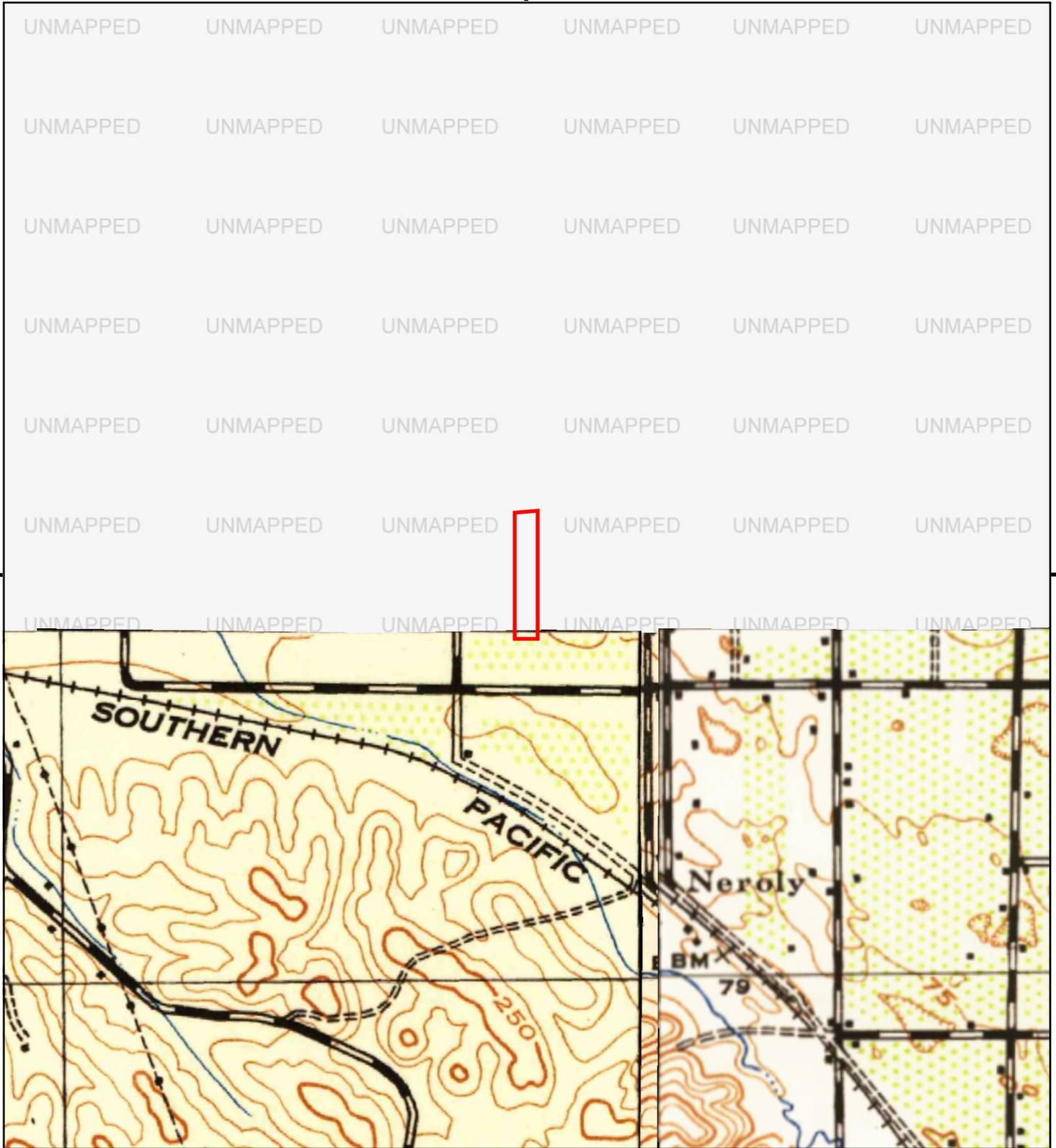
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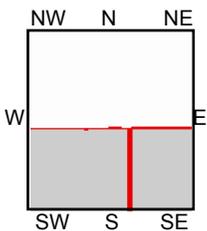
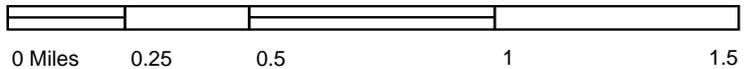
TP, Antioch North, 1953, 7.5-minute  
 NE, Jersey Island, 1952, 7.5-minute  
 SE, Brentwood, 1954, 7.5-minute  
 SW, Antioch South, 1953, 7.5-minute

**SITE NAME:** 3530 E.18th Street  
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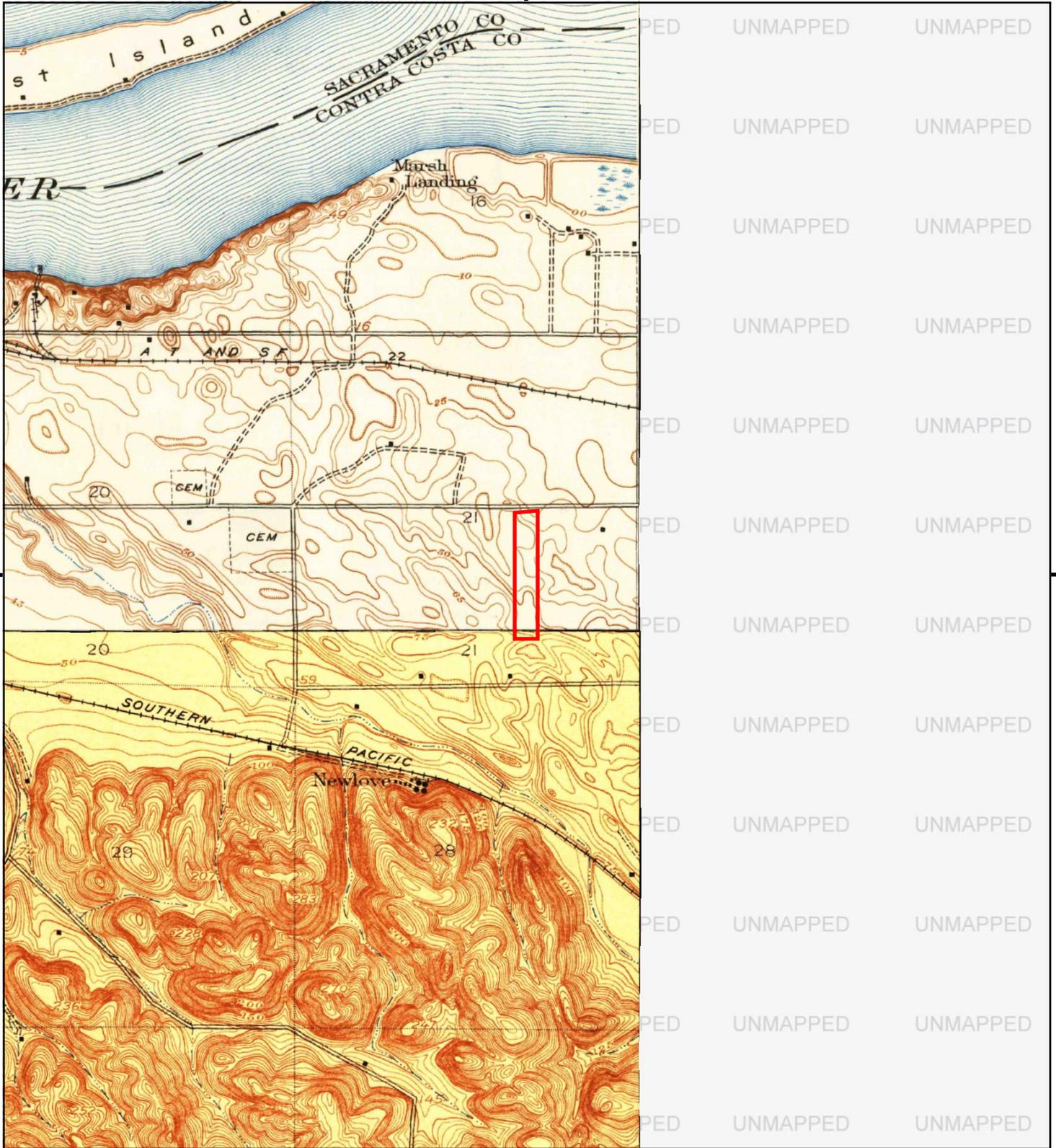
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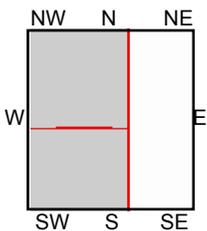
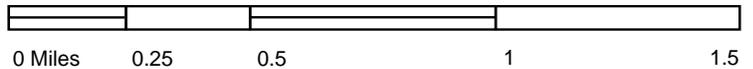
SE, Byron, 1940, 15-minute  
 SE, BYRON, 1943, 15-minute  
 SW, Mt. Diablo, 1943, 15-minute

SITE NAME: 3530 E.18th Street  
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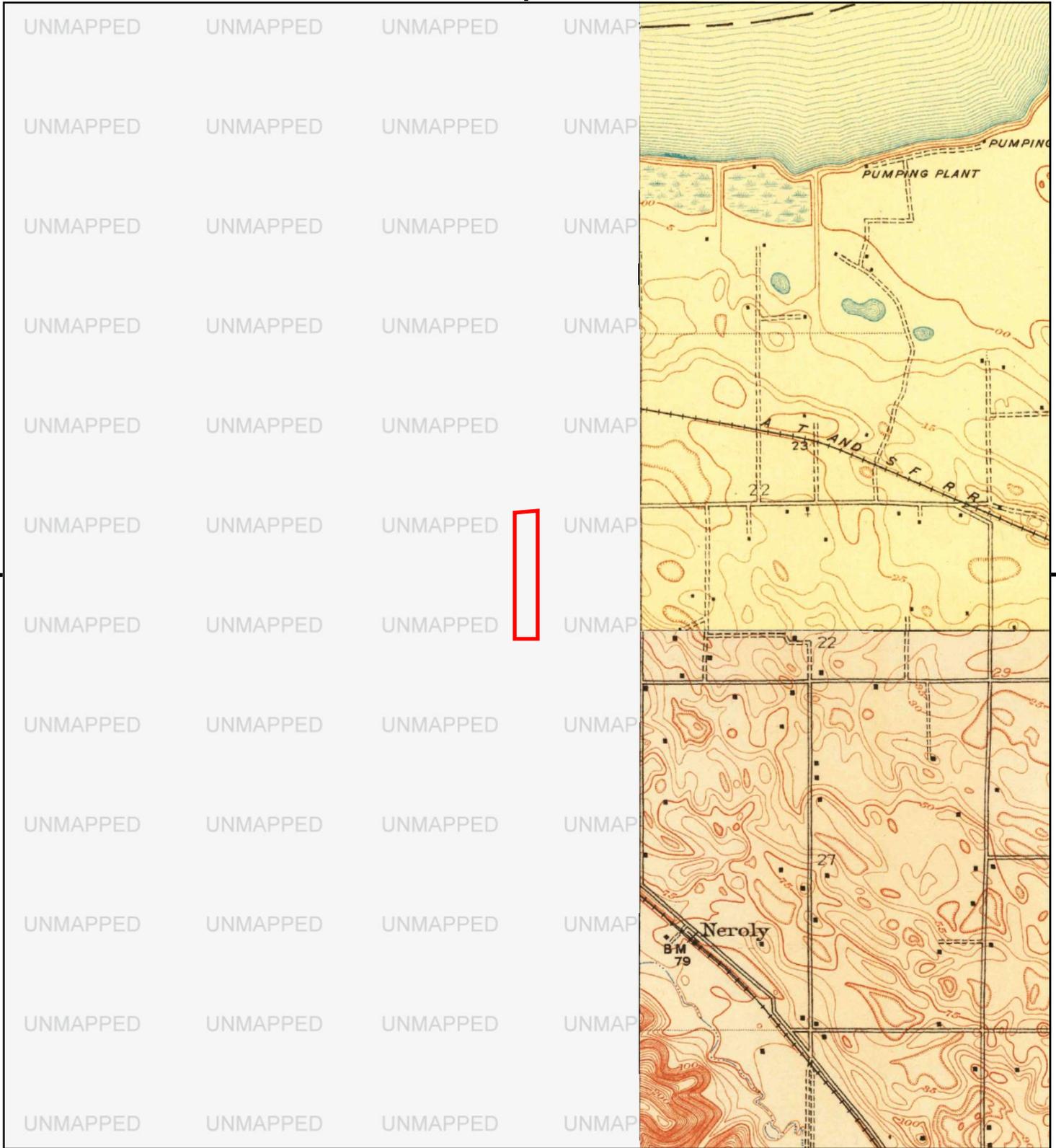
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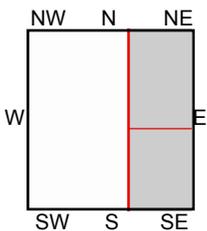
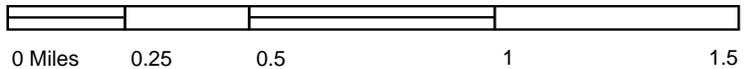
TP, Collinsville, 1918, 7.5-minute  
 SW, Lone Tree Valley, 1916, 7.5-minute

**SITE NAME:** 3530 E.18th Street  
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 Antioch, CA 94509  
**CLIENT:** Rincon





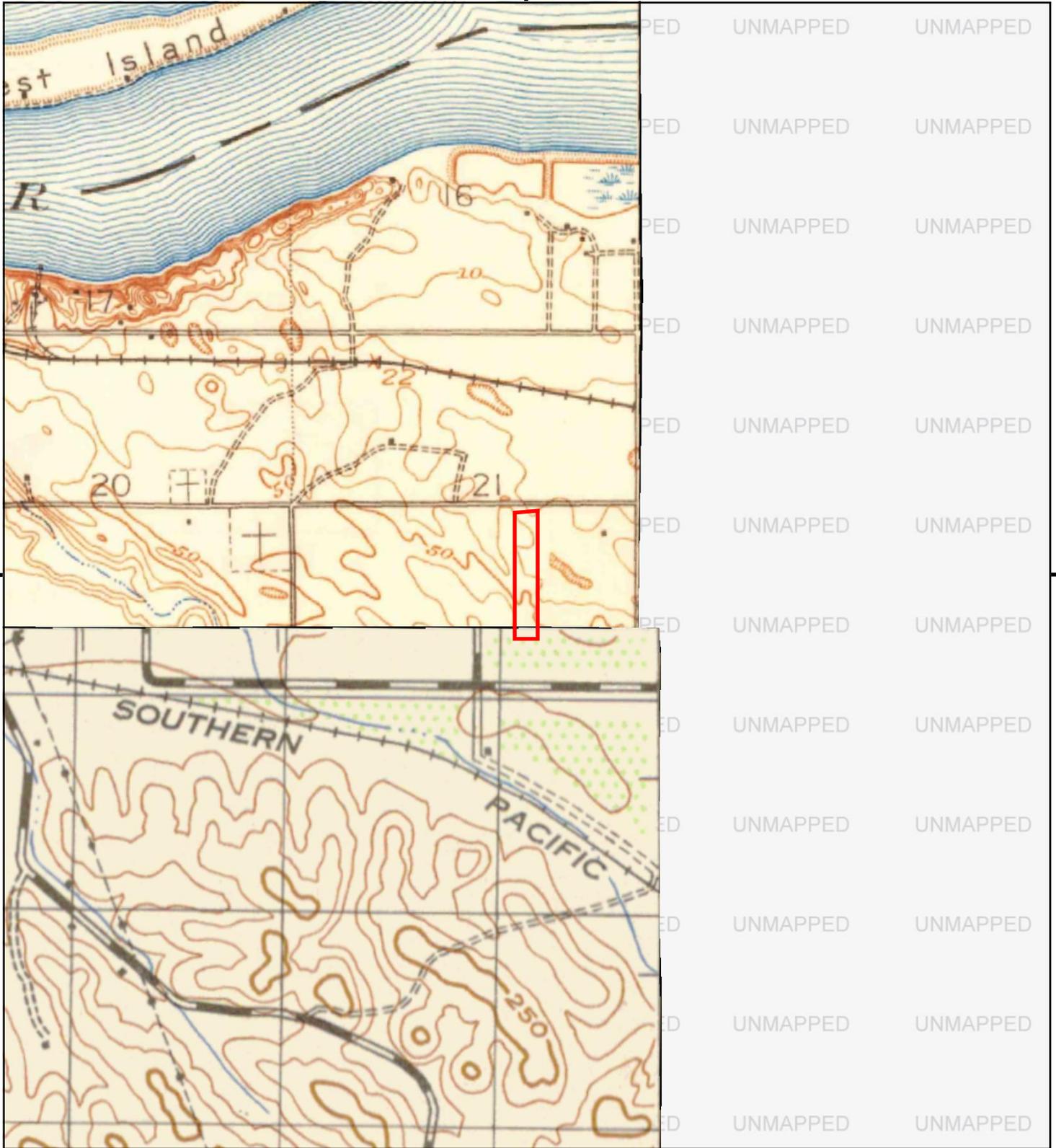
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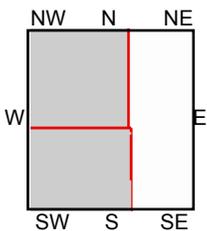
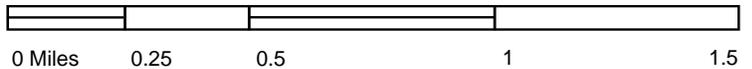
NE, Jersey, 1910, 7.5-minute  
SE, Brentwood, 1914, 7.5-minute

SITE NAME: 3530 E.18th Street  
ADDRESS: 3530 E.18th Street  
Antioch, CA 94509  
CLIENT: Rincon





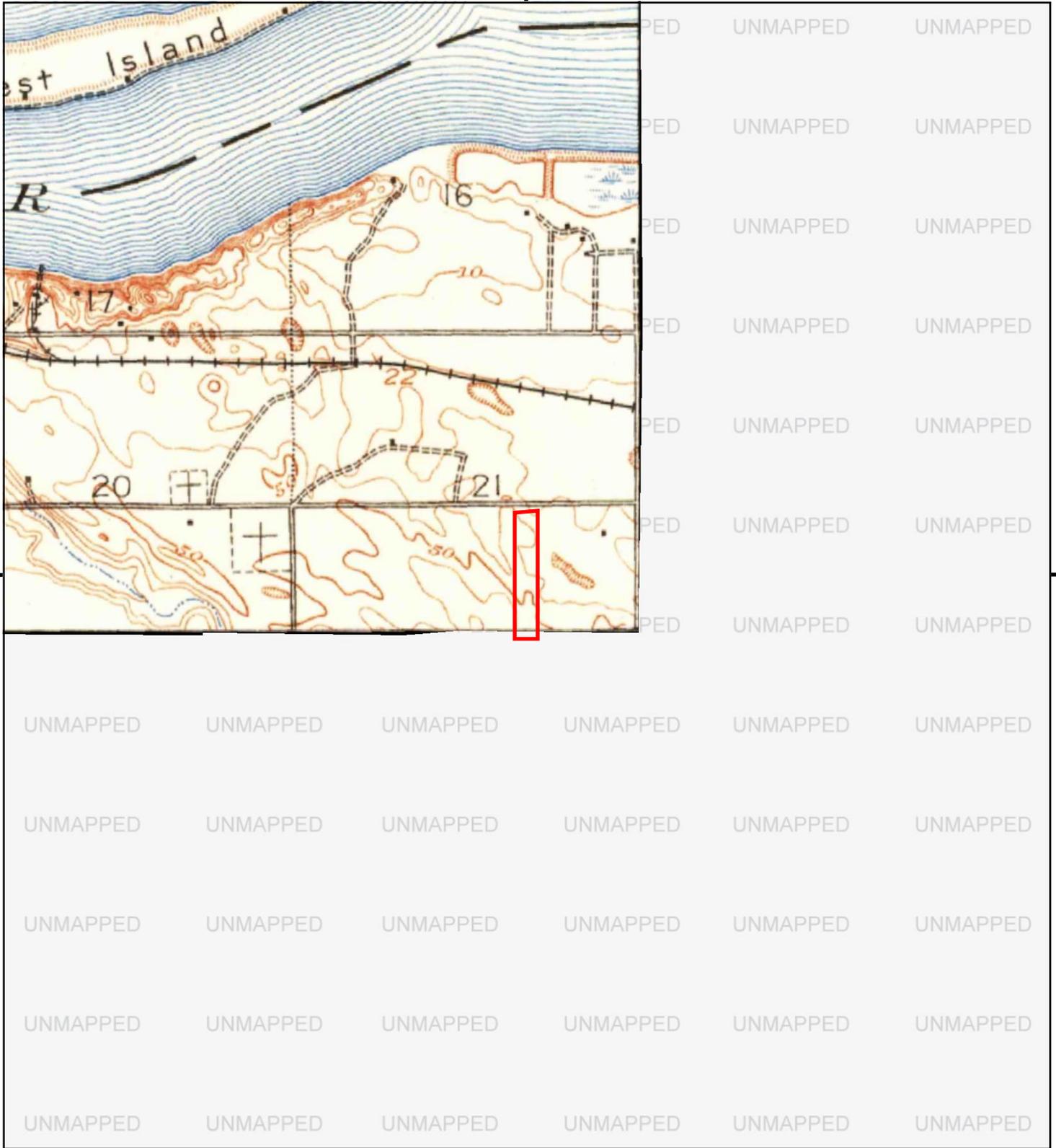
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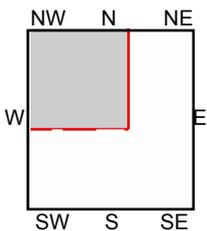
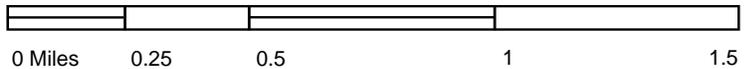
TP, Antioch, 1908, 15-minute  
 SW, MT. DIABLO, 1912, 15-minute

**SITE NAME:** 3530 E.18th Street  
**ADDRESS:** 3530 E.18th Street  
 Antioch, CA 94509  
**CLIENT:** Rincon





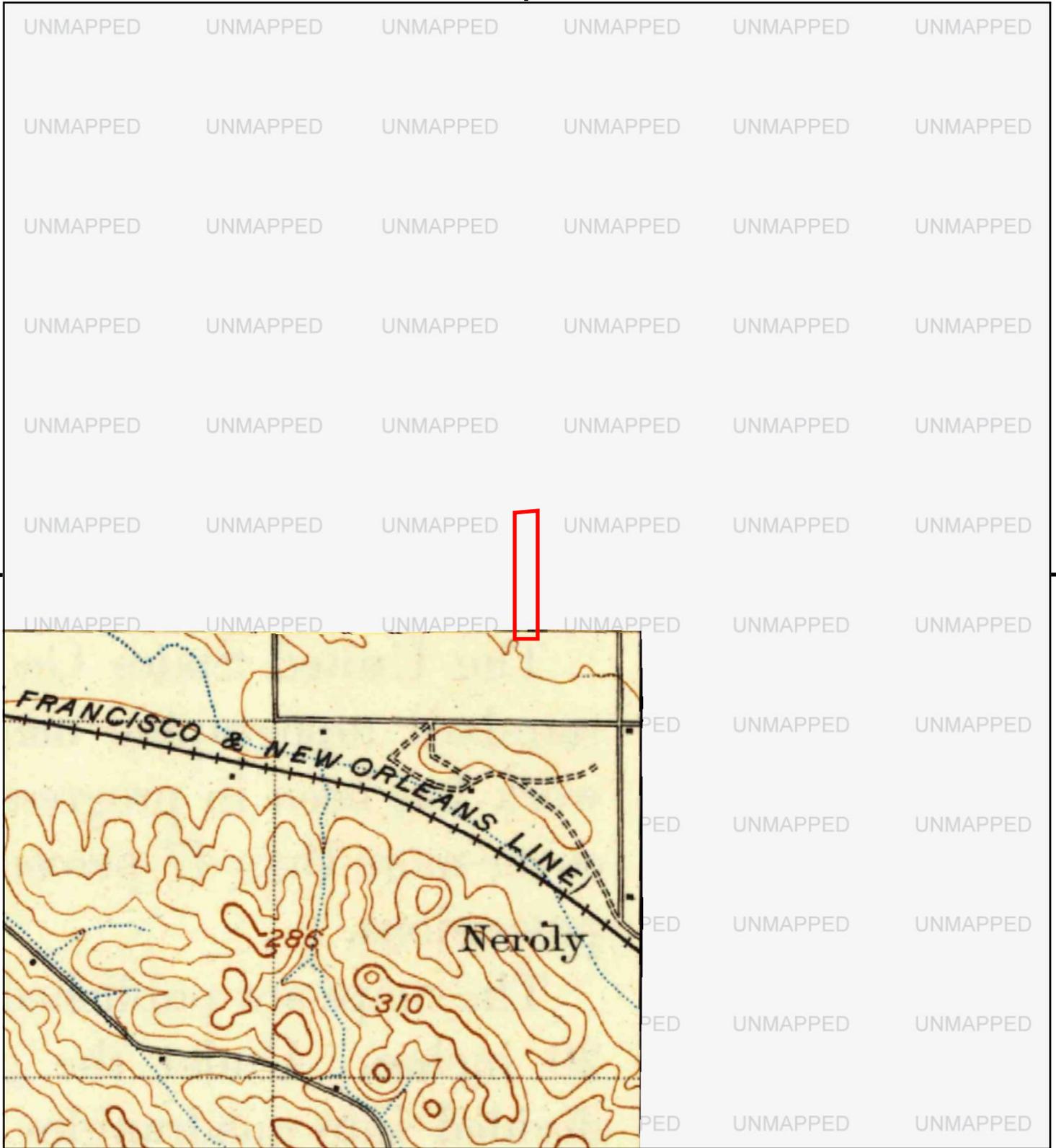
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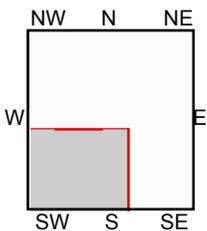
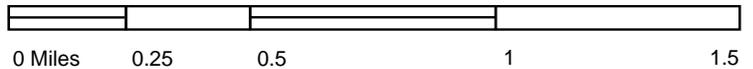
TP, Antioch, 1907, 15-minute

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 Antioch, CA 94509  
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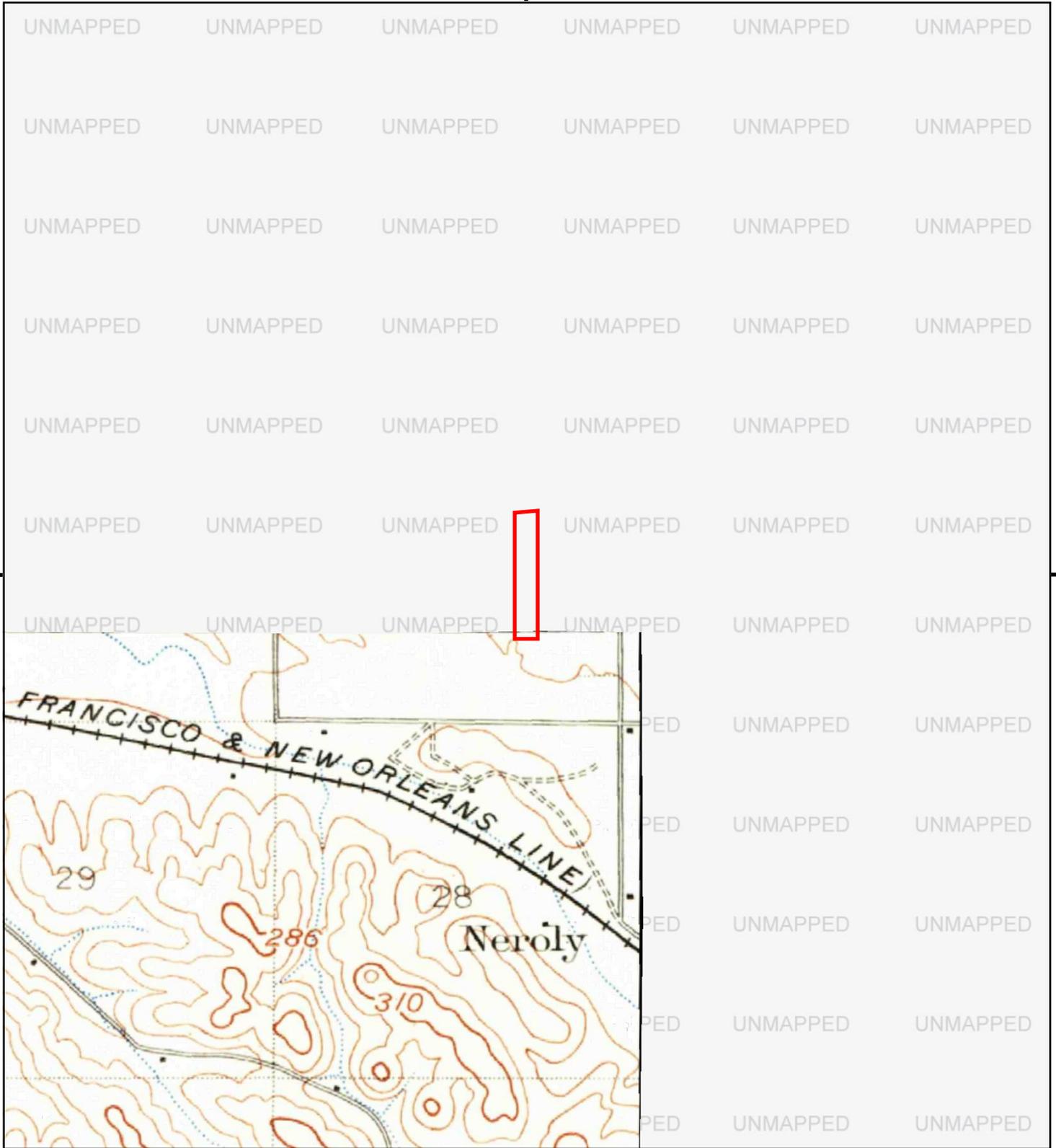
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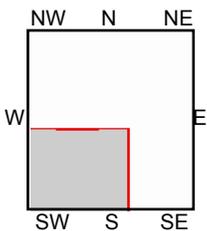
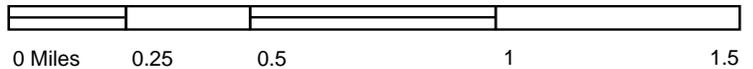
SW, Mt. Diablo, 1898, 15-minute

SITE NAME: 3530 E.18th Street  
 ADDRESS: 3530 E.18th Street  
 Antioch, CA 94509  
 CLIENT: Rincon





This report includes information from the following map sheet(s).



SW, Mt. Diablo, 1896, 15-minute

SITE NAME: 3530 E.18th Street  
 ADDRESS: 3530 E.18th Street  
 Antioch, CA 94509  
 CLIENT: Rincon



# Appendix D

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Vapor Encroachment Screening

# Introduction

Rincon completed a Vapor Encroachment Screening (VES) for the subject property. The VES was performed concurrently with the Phase I Environmental Site Assessment (ESA) and completed by the same Environmental Professionals that completed the Phase I ESA and signed the Phase I ESA report. The VES was completed in accordance with ASTM E 2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

Pursuant to the ASTM E 2600-15 standard:

The purpose of this guide is to provide practical guidance and a useful process for conducting a VES on a property parcel involved in a real estate transaction in the United States of America with respect to chemicals of concern that may migrate as vapors into the vadose zone of a property as a result of contaminated soil and/or groundwater on or near the property. This guide may be used in conjunction with Practice E1527 but does not alter or in any way define the scope of that practice. In addition, performance of this guide is not a requirement of and does not constitute, expand, or in any way define “all appropriate inquiry” as defined and approved by the U.S. Environmental Protection Agency (EPA) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the regulations there under, including 40 CFR Sec. 312.11.

## Purpose

As described in ASTM E 2600-15, the goal of the VES is to identify, to the extent feasible pursuant to the processes described in that standard, vapor encroachment conditions (VECs) in connection with the subject property. A VEC is defined as the presence or likely presence of contaminant of concern vapors in the vadose zone of the target property caused by the release of vapors from contaminated soil and/or groundwater either on or near the target property. The VES is a tiered process comprised of two tiers. A Tier 1 VES is designed to collect information regarding known or suspect contaminated properties in the Area of Concern. The Area of Concern is defined as a one-third mile radius around the subject property. If a VEC exists based on the Tier 1 VES, then a Tier 2 VES is warranted. A Tier 2 VES is designed to describe the characteristics of the contaminated plume(s) resulting from one or more contaminated properties within the Area of Concern.

## Detailed Scope of Services

Rincon conducted a Tier 1 VES evaluation, and based on the findings of the Tier 1 evaluation determined that a Tier 2 evaluation was not warranted.

Tier 1 VES: The basic information used to complete the Tier 1 VES screening was obtained during the preparation of the Phase I ESA and from the VES User Questionnaire. Phase I ESA data used in the Tier 1 VES screening included information contained in the database search, geology discussion, groundwater depth and flow direction discussion, information provided by property owner, manager, occupant, or client, and information pertaining to any nearby sites that have known releases of chemicals of concern.



## Significant Assumption and Limitations

We have assumed that the documents that we have used to complete this VES are factual and accurate. The VES was performed using data that were obtained from various sources and not prepared by Rincon Consultants. Rincon cannot attest to the accuracy of the documents reviewed. Our opinion and conclusions of the VES are based on historical data and are not representative of future conditions. Our conclusions and opinions are not based on site data collected by Rincon Consultants. The collection of site data will better represent site conditions than the documents reviewed as part of this VES. If the User of this VES wishes to better quantify the possibility of VECs on the subject property, then site specific sampling is necessary. The absence of a finding that there are VECs on this site by Rincon in no way warrants that there is no health risk posed by contaminants on the subject property. The only way to determine whether there are substances on, in, below, or near the subject property that could affect occupants, owners, tenants, or visitors to the subject property would be to complete site sampling and a health risk assessment.

## Site Description

We completed a site reconnaissance as part of the Phase I ESA. The site reconnaissance discussion is provided in the Phase I ESA report.

## User Reported Information

The user of this report provided information as part of this VES. The VES User Questionnaire is included as Attachment 1 of this report.

## Planned Use of the Property

It is our understanding that AMCAL is planning to develop the subject property into apartments and a community clubhouse building.

## Tier 1 VES

The basic information used to complete the Tier 1 VES screening was obtained during the preparation of the Phase I ESA. Phase I ESA data used in the Tier 1 VES screening included information contained in the database search, geology discussion, groundwater depth and flow direction discussion, and information pertaining to nearby sites that have known releases of chemicals of concern.



## Tier 1 VES Steps

The Tier 1 VES is based on the determining the following two conditions:

**Condition 1-** Are there any known or suspect contaminated properties within the Minimum Search Distances that are included on the Standard Environmental Record Sources? If yes, then proceed to Condition 2. If no, a VEC is unlikely to exist and the VES process is completed.

**Condition 2-** Are there any contaminants of concerns likely to be present at the sites identified in Condition 1? If yes, then determine if a VEC exists. If a VEC exists proceed to a Tier 2 VES. If a VEC does not exist, then the VES process is completed.

Tier 1 VES - Condition 1: Are there any sites within the Minimum Search Distances that are included on the Standard Environmental Record Sources?

The minimum search distances are listed in Attachment 2. Pursuant to ASTM E 2600-15, we reviewed a public records database that was obtained as part of the Phase I ESA. We identified the following two known or suspect contaminated properties listed within the minimum search distances for surrounding sites:

**Table 1 - Surrounding Sites Listed in Standard Environmental Records Sources  
 Within the Minimum Search Distances**

Site	Address	Database Listing	Distance from Subject Property	Contaminants of Concern
<b>Nearby Sites</b>				
Vineyard Tract	E 18 <sup>th</sup> Street	VCP, ENVIROSTOR	About 0.08 Miles (430 Feet) – West Northwest	Possible fly ash residue or solvents
Former Pissigoni Towing	590-5904 Main Street	BROWNFIELDS	About 0.23 Miles (1,205 Feet) – East	Unknown

Also, note that the following 6 sites were listed by EDR as a State LUST and/or SLIC site within the minimum search distance of 0.33 for other chemicals of concern (COCs), however, based on our review of the EDR report and additional information on GeoTracker, these sites are either gasoline or diesel release sites and are not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 miles:

- *Pacific Gas & Electric Company – Oakley Road and Phillips Lane.* Based on our research, this site was associated with a petroleum release that affected the aquifer used for the drinking water supply. This site is located about 780 feet (0.15 miles) to the southwest of the subject property. According to the most recent groundwater monitoring report, the monitoring well located closest to the subject property (approximately 800 feet southwest) and downgradient of the release site (MW-5) did not detect petroleum hydrocarbons. Therefore, based on the distance from the subject property and the contaminant of concern (petroleum hydrocarbons), this site is not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 mile and is not expected to pose a vapor encroachment concern for the subject property.



- *Peckham Property – 3215 E 18<sup>th</sup> Street.* Based on our research, this site was associated with a gasoline release that affected soil only (reportedly groundwater was not impacted). This site is located about 780 feet (0.15 miles) to the west northwest of the subject property. Based on the distance from the subject property and the contaminant of concern (petroleum hydrocarbons), this site is not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 mile and is not expected to pose a vapor encroachment concern for the subject property.
- *A&A Market (Former) – 407 Main Street.* Based on our research, this site was associated with a gasoline release that affected soil only (reportedly groundwater was not impacted). This site is located about 1,695 feet (0.32 miles) to the east of the subject property. Based on the distance from the subject property and the contaminant of concern (petroleum hydrocarbons), this site is not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 mile and is not expected to pose a vapor encroachment concern for the subject property.
- *Chevron #9-3801 – 5433 Neroly Road.* Based on our research, this site was associated with a gasoline release that affected the aquifer used for the drinking water supply. This site is located about 1,695 feet (0.32 miles) to the east of the subject property. Based on the distance from the subject property, the direction of groundwater flow to the north and northwest and the contaminant of concern (petroleum hydrocarbons), this site is not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 mile and is not expected to pose a vapor encroachment concern for the subject property.
- *Bridgehead, Inc. – 5540 Bridgehead Road.* Based on our research, this site was associated with a gasoline release that affected the aquifer used for the drinking water supply. This site is located about 1,715 feet (0.32 miles) to the east northeast of the subject property. Based on the distance from the subject property, the direction of groundwater flow to the north and northwest and the contaminants of concern (petroleum hydrocarbons), this site is not located within the minimum search distance for petroleum hydrocarbon COC sites of 0.10 mile and is not expected to pose a vapor encroachment concern for the subject property.
- *PG&E Antioch District Maintenance Station/PG&E Corporate Yard – 5400 Neroly Road.* Based on our research, this site was associated with a volatile organic compound (VOC) release that affected the aquifer used for the drinking water supply. This site is located about 1,680 feet (0.32 miles) to the east of the subject property. Based on the direction of groundwater flow to the north and northwest this site, the release from this property is not expected to pose a vapor encroachment concern for the subject property.

Because there are sites identified within the Minimum Search Distances that are included on the Standard Environmental Record Sources (as shown in Table 1), we have proceeded to Condition 2.

*Tier 1 VES - Condition 2:* Are there any contaminants of concerns likely to be present at the sites identified in Condition 1?

Yes, there are contaminants of concern likely to be present at the sites identified in Condition 1 as follows:

- *Vineyard Tract* - The contaminants of concern present are possible fly ash residue or solvents.
- *Former Pissigoni Towing* - The contaminant of concern are unknown.

Further information regarding these sites is in the Additional Agency File Review Information section below.



## Additional Agency File Review Information from Phase I ESA

During the preparation of the Phase I ESA and as part of this VES, we reviewed regulatory agency files and online files on the Department of Toxic Substances Control EnviroStor website pertaining to the properties that were identified within the Minimum Search Distances that are included on the Standard Environmental Record Sources (as shown in Table 1).

### Nearby Property to the West Northwest: Vineyard Tract – E 18<sup>th</sup> Street

This property is located approximately 430 feet to the west northwest of the subject property, across E 18<sup>th</sup> Street. According to the EnviroStor database, this property is part of the Voluntary Cleanup Program (VCP). According to a letter written by DTSC and dated December 19, 2005, the property has been used for agricultural purposes (a vineyard) since at least the early 1900s. Gaylord's East Mill, a paper mill, was reported to be located on the southern portion of the property from the 1980s through at least 1994, and stored fly ash and possibly other materials. Soils investigations conducted in 2003 and 2004 indicated the following:

- "All metals, PAHs, pesticides and herbicides were either not detected or were detected at concentrations below residential preliminary remediation goals (PRGs) developed by the U.S. Environmental Protection Agency (EPA).
- Dioxin/furan concentrations in surface soils were below residential PRGs. The term dioxins/furans refers to polychlorinated dibenzo-p-dioxins (dioxins) and polychlorinated dibenzofurans (furans).
- Semivolatile organic compounds (SVOCs) were not detected above residential PRGs."

Therefore, based on the documents reviewed, this property is not expected to impact the soil vapor beneath the subject property.

### Nearby Property to the East: Former Pissigoni Towing – 590-5904 Main Street

This property is located approximately 1,200 feet to the east of the subject property. According to the EDR Report, a Phase I ESA was conducted at this property in April 2005. No contaminants were identified and no cleanup actions were noted. No additional information regarding the presence of hazardous materials or waste was provided. Therefore, based on the lack of reported contaminants and the distance from the subject property, this nearby property is not expected to impact the soil vapor beneath the subject property.

Based on the documents reviewed, it appears that these nearby sites do not pose a vapor encroachment concern for the subject property. Therefore, a Tier 2 VES was not conducted as part of this assessment.

## Findings and Opinions

As described in ASTM E 2600-15, the conclusion of the VES includes one of the following:

1. A VEC exists
2. A VEC does not exist

Based on the results of the Tier 1 VES, a VEC does not exist. This finding is reached because based on the documents reviewed, no constituents of concern from the two nearby sites discussed above are interpreted to have the potential to impact the soil vapor beneath the subject property.



## Conclusions & Recommendations

Based on the results of the Tier 1 VES, a VEC does not exist. Therefore, no additional research or assessment is recommended.

## Deviations

Deviations from ASTM Practice E 2600-15 were not encountered during the completion of this VES.

## References

The following reference materials were used in preparation of this VES:

DTSC Online EnviroStor Database for documents pertaining to the nearby release sites.



# Attachment 1

VES User Questionnaire

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## Vapor Encroachment Screening Questionnaire

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Rincon Project Number: 17-05135

Site Address: 3500-3530 E. 18th Street, Antioch, Calif.

---

### Questionnaire Completed by:

AMCAL Multi-Housing by Darin Hansen

Name &  
Signature: \_\_\_\_\_

Title: Vice President  
\_\_\_\_\_

Address: 30141 Agoura Rd., Ste. 100  
\_\_\_\_\_

City/State/Zip: Agoura Hills, CA 91301-4332  
\_\_\_\_\_

Telephone: (818) 706-0694 x128  
\_\_\_\_\_

Email: DHansen@AmcalHousing.com  
\_\_\_\_\_

Date Questionnaire Completed: Feb. 1, 2018

Are there currently any buildings on the Property?

YES

NO

### Existing Site Use:

Vacant

Office

Single Family Residential

Manufacturing

Multifamily Residential

Warehousing

Retail

Agricultural

## Vapor Encroachment Screening Questionnaire

Rincon Project Number: 17-05135

Site Address: 3500-3530 E. 18th Street, Antioch, Calif.

### Questionnaire Completed by:

Name & Signature: AMCAL Multi-Housing by Darin Hansen  


Title: Vice President

Address: 30141 Agoura Rd., Ste. 100

City/State/Zip: Agoura Hills, CA 91301-4332

Telephone: (818) 706-0694 x128

Email: DHansen@AmcalHousing.com

Date Questionnaire Completed: Feb. 1, 2018

Are there currently any buildings on the Property?

YES

NO

### Existing Site Use:

Vacant

Office

Single Family Residential

Manufacturing

Multifamily Residential

Warehousing

Retail

Agricultural

Will the new site owner construct new buildings on the property?

YES

NO

If YES, describe proposed new site use: Apartments, community clubhouse building

---

How many levels or floors are above grade (existing or proposed): 3 proposed

If buildings exist or are proposed, will they have elevators?  YES  NO

Describe any Subgrade Construction for Existing or Proposed Buildings:

None- Slab on Grade

Full Basement

Crawl Space

Multi-level Basement

Parking Garage

Other

Does the area below grade have ventilation?  YES  NO

Construction of Basement Area:

Not Applicable

Soil floor and concrete walls

Concrete floor and walls

Other

Soil floor and walls

Sump pump, floor drain, or trenches (existing or proposed)?  YES  NO

Radon or methane mitigation system installed?  YES  NO

Vapor barrier installed?  YES  NO

**Heating System Type (existing or proposed)**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Forced Air Circulation | <input type="checkbox"/> Steam Radiation |
| <input type="checkbox"/> Hot Water Radiation               | <input type="checkbox"/> None            |
| <input type="checkbox"/> Fireplace                         | <input type="checkbox"/> Coal Furnace    |
| <input type="checkbox"/> Fuel Oil Furnace                  | <input type="checkbox"/> Other           |

**Type of Fuel used for Heating System (existing or proposed)**

- |                                      |   |
|--------------------------------------|---|
| <input type="checkbox"/> Natural Gas | <input checked="" type="checkbox"/> Electricity |
| <input type="checkbox"/> Propane     | <input type="checkbox"/> Kerosene               |
| <input type="checkbox"/> Coal        | <input type="checkbox"/> Fuel Oil               |
| <input type="checkbox"/> Solar       | <input type="checkbox"/> Other                  |

**Ventilation System (existing or proposed)**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Central Air Conditioning | <input type="checkbox"/> Windows                 |
| <input type="checkbox"/> Mechanical Fans                     | <input type="checkbox"/> Window Air Conditioner  |
| <input type="checkbox"/> Evaporative Cooling                 | <input checked="" type="checkbox"/> Bathroom Fan |
| <input type="checkbox"/> Work Station Vents                  | <input type="checkbox"/> Other                   |

Is building (existing or proposed) maintained under positive or negative pressure?

- Positive       Negative       Neither       Unknown

Have there ever been any environmental problems at the property?  YES  NO  UNKNOWN

Does/will a gasoline station or dry cleaner operate on the property?  YES  NO  UNKNOWN

Do any onsite tenants use hazardous chemicals in relatively large quantities?  YES  NO  UNKNOWN

Have any tenants ever complained about odors in the building or experienced health related problems associated with the building?  YES  NO  UNKNOWN

Are existing or proposed site uses on the property OSHA regulated?  YES  NO  UNKNOWN

Are there any existing or proposed above ground or underground storage tanks?  YES  NO  UNKNOWN

Are there any sensitive receptors (for example- children, elderly, people in poor health) that do or will occupy the property?  YES  NO  UNKNOWN

**Thank you for completing the questionnaire.**

**Please return promptly to Rincon Consultants via fax or email  
(Fax: (805) 586-3209 or email: [Slarese@rinconconsultants.com](mailto:Slarese@rinconconsultants.com)).**

# Attachment 2

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Minimum Search Distances

Vapor Encroachment Screening  
Proposed Antioch Apartments Site  
Antioch, California

Tier 1 Vapor Encroachment Screening Minimum Search Distances Used

Standard Environmental Record Sources	Minimum Search Distance <b>Surrounding</b> the Target Property in miles		Are any surrounding listed Sites located within the minimum search distance
	Chemicals of Concern	Petroleum Hydrocarbon Chemicals of Concern	
Federal NPL site list	0.33	0.33	No
Federal CERCLIS list (SEMS)	0.33	0.1	No
Federal RCRA CORRACTS facilities list	0.33	0.1	No
Federal RCRA non-CORRACTS TSD facilities list	0.33	0.1	No
Federal RCRA generators list	property only	property only	No
Federal institutional control/engineering control registries	property only	property only	No
Federal ERNS list	property only	property only	No
<b>State and tribal lists of hazardous waste sites identified for investigation or remediation:</b>			
State and tribal-equivalent NPL (RESPONSE)	0.33	0.1	No
State and tribal-equivalent CERCLIS (ENVIROSTOR)	0.33	0.1	<b>Yes</b>
State and tribal landfill and/or solid waste disposal site lists (SWF/LF)	0.33	0.1	No
State and tribal leaking storage tank lists (LUST and SLIC)	0.33	0.1	<b>Yes</b>
State and tribal registered storage tank lists (UST and AST)	property only	property only	No
State and tribal institutional control/engineering control registries	property only	property only	No
State and tribal voluntary cleanup sites (VCP)	0.33	0.1	<b>Yes</b>
State and tribal Brownfield sites (BROWNFIELDS)	0.33	0.1	<b>Yes</b>



## Phase II Environmental Site Assessment

Proposed Antioch Apartments Site

Antioch, California

*prepared for*  
**AMCAL Multi-Housing, Inc.**

*prepared by*  
**Rincon Consultants, Inc.**

**April 6, 2018**



**Rincon Consultants, Inc.**

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April 6, 2018  
Project # 17-05135

Jay Ross  
AMCAL Multi-Housing, Inc.  
30141 Agoura Road, Suite 100  
Agoura Hills, CA 91301  
Via email: [Jay@AmcalHousing.com](mailto:Jay@AmcalHousing.com)

**Subject: Phase II Environmental Site Assessment  
Proposed Antioch Apartments Site  
Assessor's Parcel Numbers (APNs) 051-200-025 and -026  
Antioch, California**

Dear Mr. Ross:

This report presents the findings of a Phase II Environmental Site Assessment completed by Rincon Consultants, Inc. for AMCAL Multi-Housing Inc., for the Proposed Antioch Apartments site. The soil assessment was performed in general accordance with our February 27, 2018 proposal and March 7, 2018, revision.

Please contact us with any questions regarding this project.

Sincerely,  
**Rincon Consultants, Inc.**

A handwritten signature in blue ink, appearing to read 'Alex Cruz'.

Alex Cruz, GIT  
Environmental Scientist

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

Walter Hamann, PG, CEG  
Vice President, Environmental Services



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Figure 1 Vicinity Map

Figure 2 Boring Location Map

## Appendices

Appendix A Boring Logs

Appendix B Laboratory Analytical Report



## Executive Summary

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This report presents the results of a Phase II Environmental Site Assessment (ESA) for the proposed Antioch Apartments site, in Antioch, California (Figure 1 – Vicinity Map). The subject area is located south of East 18th Street between Wightman Lane and Holub Lane, and is currently a vacant lot. The Phase II ESA was performed for AMCAL Multi-Housing, Inc. (AMCAL), and, as we understand, is to be used for the purposes of purchasing the subject property. This Phase II ESA was performed in accordance with the February 27, 2018 proposal, and March 7, 2018 revision, prepared by Rincon Consultants Inc. (Rincon) for AMCAL.

A previous Phase I ESA of the subject property, dated February 15, 2018, conducted by Rincon identified the following potential Recognized Environmental Conditions (RECs):

- Former agricultural use of the subject property
- Former disturbed areas and storage/debris areas on the subject property
- Reported presence of imported fill material on the subject property

On March 12, 2018, Rincon oversaw the advancement of 18 soil borings to evaluate the potential impacts associated with the former agricultural use of the subject property, the reported presence of imported fill material, and the former disturbed areas and storage/debris areas on the northern portion of the subject property. The soil borings were advanced with hand auger tools to a depth of 4 feet below grade (ft bg).

A total of 54 soil samples were collected from the 0-0.5 ft bg, 2-2.5 ft bg, and 3.5-4 ft bg depth intervals of each boring.

Samples from the 0.5 ft bg and 2.5 ft bg depths were analyzed for two or more of the following analytes:

- Organochlorine pesticides (OCPs) by EPA Method 8081A
- CAM 17 metals by EPA Method 6010B
- Total petroleum hydrocarbons (TPH) by EPA Method 8015B
- Volatile organic compounds (VOCs) by EPA Method 8260B (collected with En-Core 5035 kits)
- Polychlorinated biphenyls (PCBs) by EPA Method 8082

Laboratory results were compared to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Residential (Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1) February 2016, Rev. 3) Environmental Screening Levels (ESLs) . Metals were additionally compared to established regional background levels.

CAM17 metals were not detected at concentrations exceeding background levels. Arsenic was the sole metal detected in concentrations exceeding Residential ESLs, but did not exceed the established background level of 11 milligrams per kilogram (mg/kg).

TPH in the gasoline range (TPH-g) was not measured above the method detection limits (MDLs) in any analyzed sample. TPH in the diesel (TPH-d) and motor-oil ranges (TPH-o) were detected at various concentrations, but none exceeded the Residential ESLs.

Pesticides were also detected at various concentrations, but none exceeded Residential ESLs.



Proposed Antioch Apartments  
**Phase II Environmental Site Assessment**

VOCs and PCBs were mostly not detected above MDLs. One sample exhibited a detectable concentration of PCBs, but that concentration did not exceed the Residential ESL for PCBs.

Based on the findings of this Phase II ESA, no additional site investigation is recommended at the subject property.



## Introduction

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This report presents the results of a Phase II ESA for the proposed Antioch Apartments site in Antioch, California (Figure 1 – Vicinity Map). The subject area is located south of East 18th Street between Wightman Lane and Holub Lane, and is currently a vacant lot. The Phase II ESA was performed for AMCAL, and, as we understand, is to be used for the purposes of purchasing the subject property.

This Phase II ESA was performed in accordance with a February 27, 2018 proposal, and March 7, 2018 revision, prepared by Rincon for AMCAL.

The following sections describe the purpose and scope of the project, the physical setting, sampling and analytical methodologies, provide the results of the sampling and analytical program, and provide discussions and conclusions.



## Project History

---

On October 26, 2017, Rincon submitted a proposal to conduct a Phase I ESA and Vapor Encroachment Screening of the subject property to AMCAL. That Phase I ESA was completed on February 15, 2018, and included a site reconnaissance of the subject property to observe existing conditions and to obtain information indicating the presence of potential RECs in connection with the subject property. The use, storage or disposal of hazardous materials on the subject property was not observed during the site reconnaissance.

A review of historical sources, including aerial photographs, topographic maps and city directories, identified the following potential RECs onsite:

- Former agricultural use of the subject property
- Former disturbed areas and storage/debris areas on the subject property
- Reported presence of imported fill material on the subject property

To evaluate the potential impact associated with the former agricultural use of the subject property and reported presence of imported fill material, Rincon recommended collecting shallow soil samples from the subject property and analyzing the samples for OCPs and metals.

To evaluate the potential subject property impact associated with the former disturbed areas and storage/debris areas on the subject property, Rincon recommended collecting shallow soil samples from the subject property and analyzing the samples for TPH, VOCs, metals, OCPs and PCBs.



## Purpose and Scope

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The purpose of the current Phase II ESA was to assess potential RECs present at the subject property. To that end, Rincon performed the following tasks:

- **Health and Safety Plan.** A site health and safety plan was prepared in accordance with OSHA requirements. The plan contained safety provisions for routine response activities as well as unexpected emergencies. The plan also contained information on chemical and physical hazards, personal protective equipment, decontamination procedures, personnel responsibilities, and emergency response protocols.
- **Utility Notification.** Prior to the commencement of any subsurface borings, we pre-marked the locations with white paint and notified Underground Service Alert (USA) utility marking service a minimum of 48 hours in advance of performing any earth-disturbing activities.
- **Borings.** On March 12, 2018, hand auger tools were utilized to advance 18 soil borings to 4 ft bg across the subject property. Samples were collected from the 0-0.5, 2-2.5, and 3.5-4 ft bg depth intervals. A total of 54 samples were collected from 18 borings.
- **Backfill and Resurfacing.** The borings were backfilled with native soil spoils.
- **Sample Analysis.** 36 of the collected soil samples collected from the 0.5 ft bg and 2.5 ft bg were analyzed for two or more of the following:
  - OCPs by EPA Method 8081A
  - CAM 17 metals by EPA Method 6010B
  - TPH by EPA Method 8015B
  - VOCs by EPA Method 8260B (collected with En-Core 5035 kits)
  - PCBs by EPA Method 8082

The remaining samples were placed on hold at the laboratory.

- **Reporting.** This report, describing the purpose and scope of the project, the physical setting, sampling and analytical methodologies, providing the results of the sampling and analytical program, and providing discussions and conclusions, is being presented to AMCAL.



## Physical Setting

---

### Topography

The current USGS topographic map (Antioch North, California Quadrangle, 2015) indicates that the subject property is situated at an elevation of approximately 50 feet above mean sea level with the general topography slightly sloping to the north. The San Joaquin River flows from east to west roughly  $\frac{3}{4}$  of a mile to the north of the subject property. The surrounding area is comprised of flat delta lands.

### Geology and Hydrology

#### Site Geology

The subject property is located along the western boundary of the Great Valley Geomorphic Province, which is characterized by an expansive alluvial plain measuring roughly 50 miles wide and 400 miles long. The Valley is characterized by lacustrine and fluvial sediments derived from the Sierra Nevada and Coast ranges which have been continuously deposited since the Jurassic age. Those sediments were eroded and transported to the Valley by water, and deposited by an ancient marine basin which formed the Great Valley Sequence.

Many rivers draining down from the Sierra Nevada continue to transport sediments into the valley, and exit into the San Francisco Bay through the Sacramento-San Joaquin delta. Those rivers include the Mokelumne River, San Joaquin River, and the Sacramento River.

Though there are few faults within this province near to the subject property, the Concord, Green Valley, and Hayward faults lie just to the west within the Coast Ranges Province. Those faults have been mapped by the Alquist-Priolo Fault Zoning Act, and are considered to be active. Many historical earthquakes have been documented along these and other faults. No active faults have been mapped by Dibblee (2006) as having a surface expression across the subject property. An active fault is defined by the State of California as one which has had surface displacement within the last 11,000 years (Holocene time on the geologic time scale). Active faults are also classified by historic (within the last 200 years) seismicity, where surface rupture may or may not be evident.

The subject property is located within the Sacramento-San Joaquin River Delta of Contra Costa County, California. The site is on a gently north-sloping delta plain of fluvial-deposited sediments. According to the Geologic Map of the Antioch South and Brentwood Quadrangle (Dibblee, 2006), the site is underlain by Quaternary-age alluvium. This alluvium is comprised of unconsolidated delta deposits of silt, sand, and gravel likely deposited by the delta its ancestral equivalents.

#### Regional Groundwater Occurrence and Quality

The subject property is within the San Joaquin Valley - Tracy Groundwater Basin. The Great Valley Sequence and unconsolidated Holocene alluvium comprise the water bearing zones within this region (USGS, Water-Resources Investigations Report, 86-4103). During the current assessment,



Proposed Antioch Apartments  
**Phase II Environmental Site Assessment**

groundwater was not encountered in any boring. Groundwater elevation in a nearby Diablo Water District well (Blossom Well) was reported to be 26.17 feet above mean sea level in October, 2017.



## Methodology

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### Boring Locations

Borings were advanced in the general locations indicated in Rincon's February 27, 2018, proposal. The boring locations were mapped by hand in the field.

### Soil Sampling

On March 12, 2018, Rincon Consultants mobilized to the site with Confluence Environmental personnel and hand auger tools to advance the planned borings.

18 soil borings were completed to their planned depths. Samples were collected from the 0-0.5 ft bg, 2-2.5 ft bg, and 3.5-4 ft bg depth intervals. Samples were collected by carefully transferring the soil material from the hand auger into a 16 ounce jars. Samples marked for VOC analysis were collected using En-Core Method 5035 sampling kits. The En-Core sample capsule was fixed to the T-handle, depressed into the soil held within the hand auger, and then capped and stored in a dedicated zip pouch. All samples were labeled and stored in a cooler chilled to 4 degrees Celsius.

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

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

Between advancing each borehole, all sampling equipment was washed in a phosphate-free soap solution and double rinsed with potable water. Native soil was used to backfill the hand augered borings to ground surface.

A total of 54 soil samples were collected. The boring locations are shown on Figure 2 – Boring Location Map.

The samples were couriered to the State certified analytical laboratory, BC Laboratories, based in Bakersfield, California, using chain-of-custody protocol. The 16 ounce sample jars were provided by BC Laboratories. The Method 5035 En-Core sample kits were provided by Confluence Environmental.



## Soil Laboratory Analysis

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Of the 54 soil samples, 36 of the samples collected from the 0.5 ft bg and 2.5 ft bg depth intervals were analyzed for the following analytes:

- OCPs by EPA Method 8081A
- CAM 17 metals by EPA Method 6010B

Twenty-four of those samples were additionally analyzed for:

- TPH by EPA Method 8015B
- VOCs by EPA Method 8260B/5035
- PCBs by EPA Method 8082

These samples were collected in the former disturbed areas and storage/debris areas on the subject property.

The remaining soil samples from the 4 ft bg depth interval were placed on hold at the laboratory. No additional analyses were performed.



## Screening Levels

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ESLs were established by the SFBRWQCB for chemicals commonly found in soil, groundwater, and air at sites where releases of hazardous chemicals have occurred. ESLs are considered to be conservative concentration thresholds designed to be protective of the environment and human health. Under most circumstances, the presence of a chemical in soil, soil vapor, groundwater, or ambient air at concentrations below the corresponding ESL can be assumed to not pose a significant, long term (chronic) threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding ESL. Active remediation may or may not be required depending on site specific conditions and considerations.

On the basis of the proposed land use, laboratory results are primarily compared to the Residential ESLs (Shallow Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1) February 2016, Rev. 3). Cleanup goals have not been established for contaminants in the soil at the subject property.

Due to elevated regional background levels, arsenic is commonly compared to regional background levels. Rincon typically compares arsenic concentrations to 11 mg/kg, as established by the Kearny Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, in March 1996.



## Results

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### Soil Sampling

No obvious soil discoloration or odors were noted in the field that may be indicative of contamination in the soil matrix samples collected from the borings. Soil encountered in the borings generally consisted of a sandy silt matrix.

Field screening with the PID did not register detectable VOC concentrations in any analyzed material from the borings. Groundwater was not encountered in any of the hand augured borings. A summary of the soil analytical results are included in Table 1, Table 2, and Table 3. Laboratory analytical reports are included in Appendix B.

### TPH

As summarized on Table 1, the 24 samples were analyzed for TPH. TPH-g was not detected above the MDL in any sample. TPH-d and TPH-o were detected at various concentrations, but none exceeded the Residential ESLs of 230 mg/kg and 11,000 mg/kg respectively.

### Title 22 Metals

As summarized in Table 2, the 36 soil samples were evaluated for the full list of seventeen Title 22 Metals. Most metals were detected at various concentrations over the MDL in each sample, but arsenic was the sole metal found at levels which exceed the Residential ESLs. However, arsenic did not exceed the established background concentration of 11 mg/kg.

### OCPs

As summarized on Table 3, 36 samples were screened for OCPs. OCPs including 4,4-DDE, 4,4-DDD, 4,4-DDT, chlordane, heptachlor epoxide, dieldrin, aldrin, heptachlor, and alpha and beta BHC were detected at various concentrations in most samples, although none of those concentrations exceeded their Residential ESLs.

### VOCs

24 samples were analyzed for VOCs. VOCs were not detected above the MDLs in any sample.

### PCBs

24 samples were analyzed for PCBs. Only one sample exhibited a PCB concentration above the MDL (B2 at 2.5 ft bg), but that concentration was below the Residential ESL of 0.25 mg/kg.



## Conclusions

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Arsenic was found at levels exceeding Residential ESLs, but under the general background concentration of 11 mg/kg for arsenic in California soil. Select metals, TPH-d and TPH-o, PCBs, and OCPs were detected onsite at levels which do not exceed Residential ESLs. VOCs and TPH-g were not detected above the MDLs.



## Recommendations

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Based on the results of this Phase II ESA, the potential RECs identified in Rincon's Phase I ESA have been sufficiently assessed, and additional site investigations at the subject property are not recommended.



## Limitations

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

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

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



## Tables

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**Table 1**  
Soil Matrix Analytical Results  
TPH, VOCs, and PCBs  
Proposed Antioch Apartment Site  
Antioch, California  
March 12, 2018

Soil Boring	Sampling Depth (feet bgs)	TPH-Gasoline	TPH-Diesel	TPH-Oil	VOCs	PCBs
		Results in milligrams per kilogram (mg/kg)				
B1	0.5	ND	13	56	ND	ND
	2.5	ND	8.5J	12J	ND	ND
B2	0.5	ND	160J	950	ND	ND
	2.5	ND	11	60	ND	0.0098J
B3	0.5	ND	23	140	ND	ND
	2.5	ND	7.8J	7.9J	ND	ND
B4	0.5	ND	130J	810	ND	ND
	2.5	ND	6.9J	9.3J	ND	ND
B5	0.5	ND	32	89	ND	ND
	2.5	ND	7.9J	6.7J	ND	ND
B6	0.5	ND	10	66	ND	ND
	2.5	ND	7.5J	9J	ND	ND
B7	0.5	ND	9.4J	56	ND	ND
	2.5	ND	7.4J	10J	ND	ND
B9	0.5	ND	130J	770	ND	ND
	2.5	ND	8.1J	22	ND	ND
B10	0.5	ND	9.9J	60	ND	ND
	2.5	ND	7.8J	14J	ND	ND
B13	0.5	ND	20	200	ND	ND
	2.5	ND	7.8J	11J	ND	ND
B14	0.5	ND	17	88	ND	ND
	2.5	ND	ND	ND	ND	ND
B17	0.5	ND	220	ND	ND	ND
	2.5	ND	ND	ND	ND	ND
Detection Limits		0.41	1.2 - 24	6.5 - 130	Varies	Varies
ESL-Residential		740	230	11,000	Varies	0.25

Notes:

bgs = below ground surface

ND = not detected above the laboratory reporting limit

J -Flag indicates detection is below the practical quantitation limit and above the method detection limit.

ESL- San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for residential shallow soil exposure,

Samples analyzed by BC Laboratories Analytical Laboratory for TPH by EPA Method 8015B, VOCs by EPA Method 8260B, and

PCBs by EPA Method 8082

**Table 2**  
Soil Matrix Analytical Results - Title 22 Metals  
Proposed Antioch Apartment Site  
Antioch, California  
March 12, 2018

Soil Boring	Sampling Depth (feet bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
B1	0.5	ND	<b>2.6</b>	33	0.14J	ND	17	4.2	6.3	2.8	ND	ND	21	ND	ND	ND	29	17
	2.5	ND	<b>2.9</b>	30	0.13J	ND	22	4.1	6.2	2.3J	ND	ND	22	ND	ND	ND	30	16
B2	0.5	ND	<b>7.6</b>	120	0.41J	0.14J	31	10	24	17	0.12J	ND	30	ND	ND	ND	53	70
	2.5	ND	<b>2.9</b>	58	0.17J	0.18J	20	3.9	10	15	0.037J	0.083J	20	ND	ND	ND	27	75
B3	0.5	ND	<b>6.4</b>	130	0.42J	0.092J	35	9.3	22	12	0.052J	ND	39	ND	ND	ND	44	48
	2.5	ND	<b>2.7</b>	33	0.14J	ND	18	4.0	5.5	2.4J	ND	ND	20	ND	ND	ND	27	16
B4	0.5	ND	<b>8.1</b>	82	0.34J	0.093J	27	8.4	26	14	0.15J	ND	25	ND	ND	ND	48	52
	2.5	ND	<b>2.3</b>	27	0.11J	ND	18	3.4	5.2	2J	ND	ND	18	1.2	ND	ND	22	13
B5	0.5	ND	<b>3.1</b>	68	0.25J	0.13J	27	5.3	11	4.6	0.021J	0.098J	24	ND	ND	ND	35	28
	2.5	ND	<b>2.4</b>	49	0.19J	ND	20	4.5	7.0	2.8	0.029J	ND	22	ND	ND	ND	31	20
B6	0.5	ND	<b>5.9</b>	55	0.29J	ND	20	6.5	18	7.0	0.060J	0.14J	20	ND	ND	ND	40	35
	2.5	ND	<b>3.0</b>	42	0.18J	ND	25	4.5	6.8	2.7	0.023J	ND	21	ND	ND	ND	31	17
B7	0.5	ND	<b>6.3</b>	130	0.39J	0.18J	38	9.1	22	24	0.10J	0.18J	42	ND	ND	ND	41	59
	2.5	ND	<b>2.7</b>	50	0.18J	0.058J	20	4.4	7.1	3.6	ND	ND	21	ND	ND	ND	30	19
B8	0.5	ND	<b>8.1</b>	55	0.36J	ND	22	7.6	13	8.3	0.056J	0.070J	21	ND	ND	ND	47	40
	2.5	ND	<b>3.2</b>	46	0.17J	0.081J	21	4.5	8.6	6.7	ND	ND	21	ND	ND	ND	28	29
B9	0.5	ND	<b>5.6</b>	100	0.38J	0.17J	29	8.9	21	18	0.13J	ND	28	ND	ND	ND	47	53
	2.5	ND	<b>2.2</b>	40	0.15J	ND	16	3.6	5.5	2.8	0.026J	ND	18	ND	ND	ND	22	16
B10	0.5	ND	<b>6.4</b>	49	0.30J	ND	16	6.8	11	6.8	0.038J	0.12J	15	1.1	ND	ND	34	34
	2.5	ND	<b>2.8</b>	38	0.16J	ND	21	4.3	6.6	3.6	ND	ND	21	ND	ND	ND	29	24
B11	0.5	ND	<b>2.4</b>	40	0.16J	0.062J	19	4.8	7.0	3.9	0.11J	0.053J	23	ND	ND	ND	24	20
	2.5	ND	<b>5.7</b>	110	0.37J	0.16J	26	10	18	22	0.025J	ND	30	ND	ND	ND	42	56
B12	0.5	ND	<b>2.5</b>	36	0.14J	ND	15	3.2	5.4	2.4	0.051J	ND	18	ND	ND	ND	19	15
	2.5	ND	<b>6.5</b>	53	0.41J	0.065J	19	6.2	13	9.5	0.043J	0.16J	16	ND	ND	ND	40	41
B13	0.5	ND	<b>5.0</b>	110	0.37J	0.13J	32	9.0	20	10	0.066J	ND	37	ND	ND	ND	41	45
	2.5	ND	<b>2.7</b>	63	0.17J	0.11J	18	3.9	11	9.8	0.035J	ND	20	ND	ND	ND	26	31
B14	0.5	ND	<b>5.4</b>	53	0.27J	ND	15	5.7	11	6.3	0.063J	0.12J	16	ND	ND	ND	31	31
	2.5	ND	<b>2.9</b>	36	0.16J	ND	19	4.0	6.4	3.5	0.029J	ND	21	ND	ND	ND	25	18
B15	0.5	ND	<b>5.4</b>	100	0.40J	0.18J	29	8.9	24	16	0.095J	0.068J	30	ND	ND	ND	46	51
	2.5	ND	<b>2.6</b>	38	0.15J	0.061J	18	4.0	6.3	3.3	0.022J	ND	20	ND	ND	ND	24	18
B16	0.5	ND	<b>5.1</b>	51	0.27J	ND	18	5.5	11	6.1	0.050J	ND	17	ND	ND	ND	36	30
	2.5	ND	<b>2.7</b>	34	0.15J	ND	18	4.0	6.1	3.5	0.031J	ND	20	ND	ND	ND	25	15
B17	0.5	ND	<b>4.8</b>	59	0.32J	0.079J	26	8.4	17	29	0.15J	ND	19	ND	ND	ND	47	44
	2.5	ND	<b>2.7</b>	36	0.15J	ND	18	3.9	6.1	2.6	0.044J	0.061J	19	ND	ND	ND	25	16
B18	0.5	ND	<b>2.8</b>	53	0.19J	0.070J	16	5.7	22	6.7	0.23	0.13J	16	ND	ND	ND	35	33
	2.5	ND	<b>3.7</b>	63	0.24J	0.083J	27	6.0	12	7.0	0.047J	ND	28	ND	ND	ND	33	31
Detection Limits		0.33	0.4	0.2	0.047	0.052	0.05	0.098	0.05	0.28	0.019	0.1	0.15	0.98	0.067	0.64	0.11	0.087
Background Concentration		0.15 - 1.95	0.6 - 11	133 - 1,400	0.25 - 2.70	0.05 - 1.70	23 - 1,579	2.7 - 46.9	9.1 - 96.4	12.4 - 97.1	0.05 - 0.90	0.1 - 9.6	9.0 - 509	0.015 - 0.430	0.10 - 8.3	0.17- 1.1	39 - 288	88 - 236
ESL- Residential		31	0.067	15,000	150	39	120,000	23	3,100	80	13	390	820	390	390	0.78	390	23,000

Notes:  
mg/kg = milligrams per kilogram  
bgs = below ground surface  
ND = not detected above the laboratory reporting limit  
**Bold** = detected above screening level  
J -Flag indicates detection is below the practical quantitation limit and above the method detection limit.  
ESL- San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for residential shallow soil exposure, February 2016.  
Background Concentration = Kearney, *Background Concentrations of Trace and Major Elements in California Soils*, University of California, 1996  
Samples analyzed by BC Laboratories Analytical Laboratory for Metals by EPA Method 6010B/7471A

**Table 3**  
Soil Matrix Analytical Results  
Organochlorine Pesticides  
Proposed Antioch Apartment Site  
Antioch, California  
March 12, 2018

Soil Boring	Sampling Depth (feet bgs)	4,4-DDE	4,4-DDD	4,4-DDT	Chlordane	Heptachlor Epoxide	Dieldrin	Other OCPs
		Results in milligrams per kilogram (mg/kg)						
B1	0.5	0.00061J	ND	ND	ND	ND	ND	ND
	2.5	0.00028J	ND	ND	ND	ND	ND	ND
B2	0.5	0.0086	ND	ND	ND	ND	ND	ND
	2.5	0.0033	0.00033J	0.0032	0.02J	0.00018JJ	ND	ND
B3	0.5	0.0018J	ND	0.00085J	0.0027J	ND	0.00049J	ND
	2.5	0.00014J	ND	ND	ND	ND	ND	ND
B4	0.5	0.00087J	ND	ND	ND	ND	ND	ND
	2.5	ND	ND	ND	ND	ND	ND	ND
B5	0.5	0.0017J	ND	0.00066J	0.022J	0.00069J	0.00068J	ND
	2.5	ND	ND	ND	ND	ND	ND	ND
B6	0.5	0.00069J	0.0013	0.0010	0.029J	0.00033J	0.00037J	ND
	2.5	ND	ND	ND	0.007J	ND	ND	ND
B7	0.5	0.0013J	0.0038	0.0032	ND	0.00046J	0.0022J	ND
	2.5	0.00011J	ND	ND	0.0040J	ND	ND	ND
B8	0.5	ND	ND	ND	ND	ND	ND	ND
	2.5	0.00033J	ND	0.00030J	0.013J	ND	ND	Aldrin- 0.000081J, gamma-BHC- 0.008
B9	0.5	0.0021J	ND	0.0011J	ND	ND	ND	ND
	2.5	0.00023J	ND	0.00025J	0.016J	0.00057	0.00016J	ND
B10	0.5	0.00010J	ND<1.2	0.00021J	0.018J	ND	0.00012J	Aldrin- 0.00036J
	2.5	0.00038J	0.00086	0.00029J	0.019J	ND	ND	ND
B11	0.5	0.0061	0.0015	0.0050	0.029J	0.00014J	0.0021	Heptachlor- 0.00049J
	2.5	0.00053	ND	0.00056	0.0041J	ND	0.00043J	ND
B12	0.5	0.00061J	0.00045J	0.0017	0.0074J	ND	0.00061	ND
	2.5	0.00029J	ND	0.00023J	0.0030J	ND	ND	ND
B13	0.5	0.0064	0.0027	0.0027	0.040J	ND	0.0017	ND
	2.5	0.0015	ND	0.00031J	ND	ND	ND	ND
B14	0.5	0.00017J	ND<1.2	0.00025J	ND	0.00012J	0.00016J	ND
	2.5	0.0011	0.00043J	0.00039J	0.0051J	0.00014J	ND	ND
B15	0.5	0.0011J	ND	ND	ND	ND	ND	ND
	2.5	0.00026J	ND	ND	ND	ND	0.00019J	ND
B16	0.5	0.000096J	ND	0.00016J	0.0064J	ND	0.00014J	ND
	2.5	ND	ND	ND	ND	ND	ND	ND
B17	0.5	0.00070J	ND	ND	ND	ND	ND	ND
	2.5	0.000054J	ND	ND	ND	ND	ND	ND
B18	0.5	0.00094	0.00084	0.00038J	0.019J	ND	0.00029	Alpha BHC- 0.00095
	2.5	0.0042	0.00093	0.0023	0.023J	ND	0.0024	Beta BHC- 0.00044J
Detection Limits		0.00002 - 0.0002	0.00021 - 0.00042	0.000093 - 0.00046	0.0017 - 0.0034	0.00017 - 0.000034	0.000079 - 0.00016	Varies
ESL-Residential		1.9	2.7	1.9	0.48	0.067	0.038	Varies

Notes:

bgs = below ground surface

ND = not detected above the laboratory reporting limit

J -Flag indicates detection is below the practical quantitation limit and above the method detection limit.

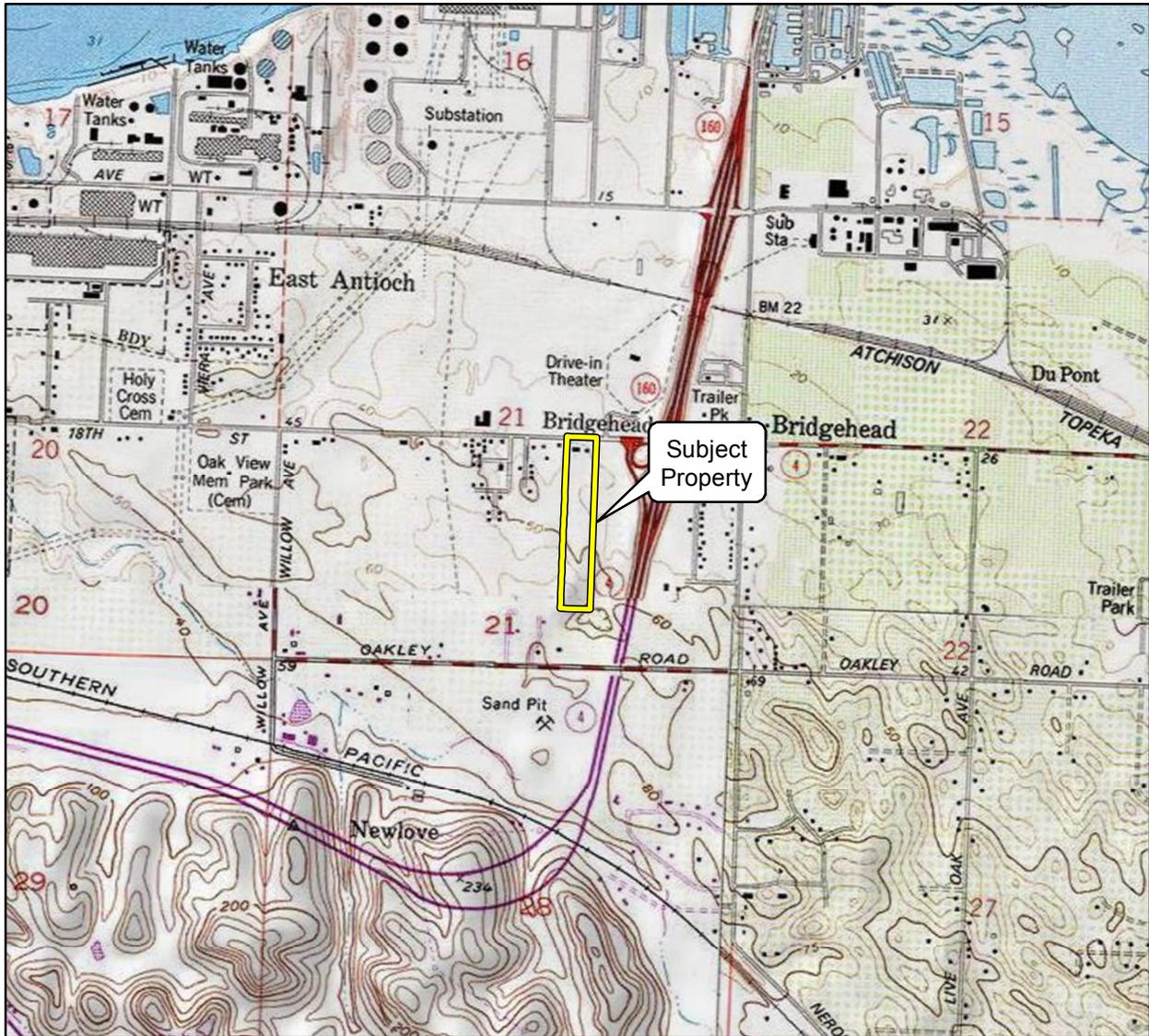
ESL- San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for residential shallow soil exposure, February 2016.

Samples analyzed by BC Laboratories Analytical Laboratory for Pesticides by EPA Method 8081

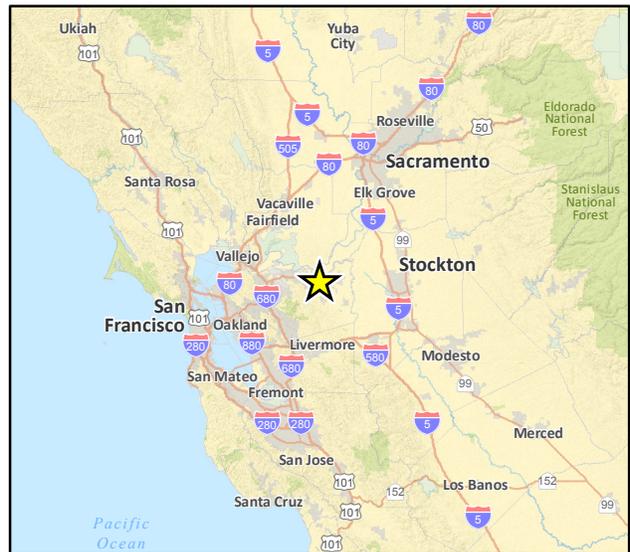
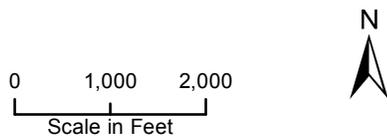
## Figures

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Proposed Antioch Apartments Site, Antioch, California  
**Phase II Environmental Site Assessment**

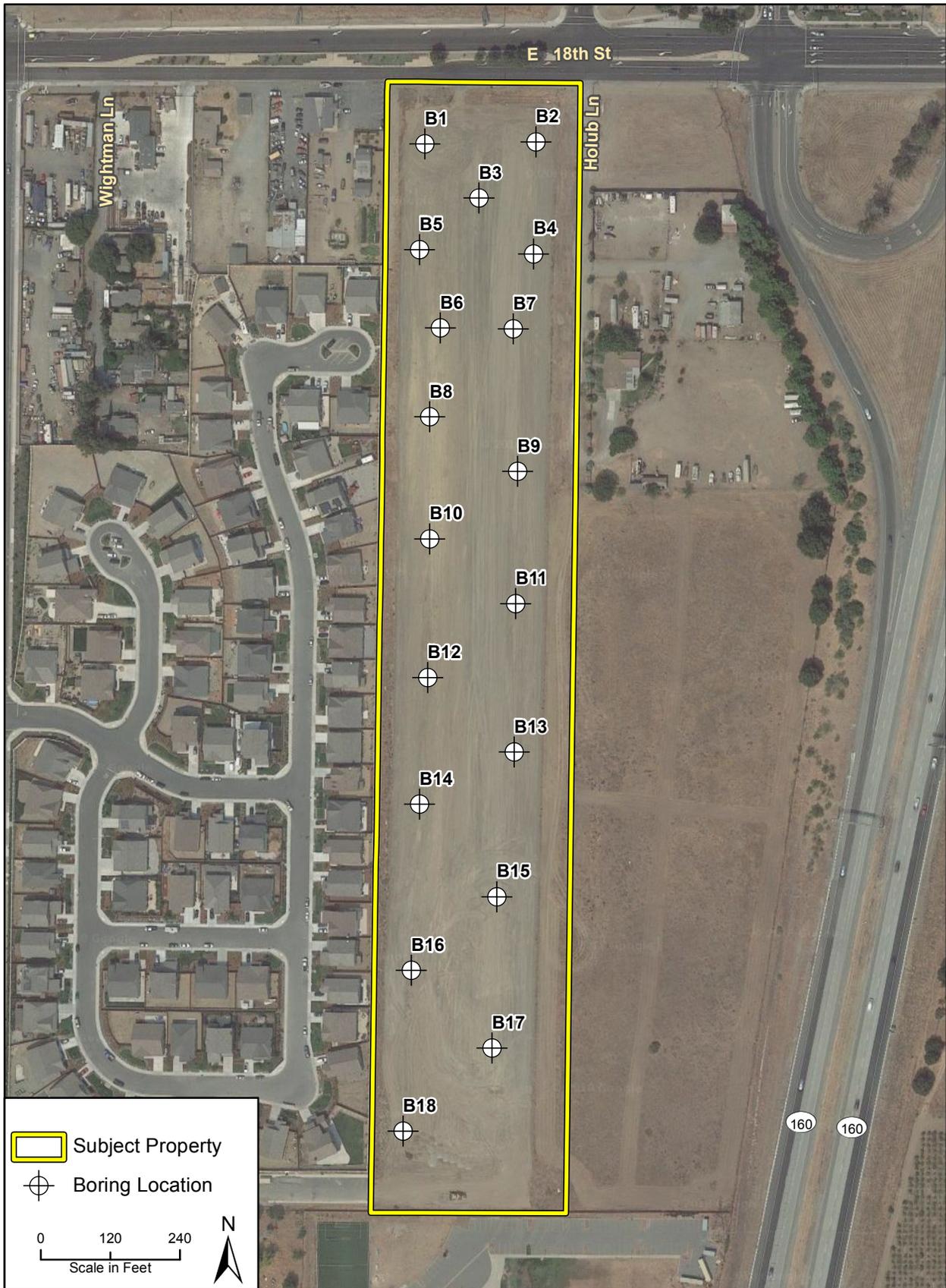


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Vicinity Map

Figure 1



Imagery provided by Google and its licensors © 2018.

Boring Location Map

Figure 2

# Appendix A

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Boring Logs

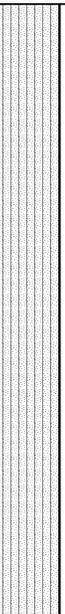
AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northwest corner of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northeast corner of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

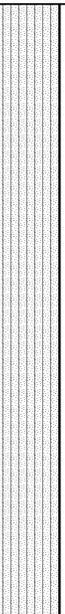
AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northern region, in centerline of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northern region, along eastern boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

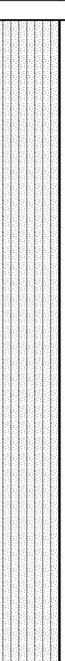
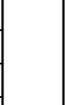
AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northern region, along western boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northern region, in center-west region of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Northern region, in center-east region of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Center region, along western boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Center region, along eastern boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B10

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Center region, in center-west area of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

## LOG OF BORING B11

AMCAL Multi-Housing Inc. Phase II Environmental Site Assessment Antioch, California Project # 17-05135	Date Completed : March 12, 2018 Method : Hand Auger Drilled By : Confluence Environmental Logged By : Alex Cruz Location : Center region, in center-east area of property
---	---

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

## LOG OF BORING B12

(Page 1 of 1)

AMCAL Multi-Housing Inc. Phase II Environmental Site Assessment Antioch, California Project # 17-05135	Date Completed : March 12, 2018 Method : Hand Auger Drilled By : Confluence Environmental Logged By : Alex Cruz Location : Center region, in lower center-west area of property
---	---

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B13

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

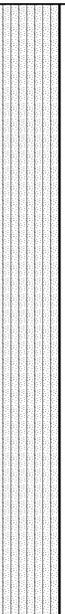
Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Center region, in lower center-east area of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B14

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Southern region, along western boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B15

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Southern region, along eastern boundary of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

## LOG OF BORING B16

AMCAL Multi-Housing Inc. Phase II Environmental Site Assessment Antioch, California Project # 17-05135	Date Completed : March 12, 2018 Method : Hand Auger Drilled By : Confluence Environmental Logged By : Alex Cruz Location : Southern region, in western area of property
---	---

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B17

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Southern region, in lower-eastern area of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# LOG OF BORING B18

AMCAL Multi-Housing Inc.  
 Phase II Environmental Site Assessment  
 Antioch, California  
 Project # 17-05135

Date Completed : March 12, 2018  
 Method : Hand Auger  
 Drilled By : Confluence Environmental  
 Logged By : Alex Cruz  
 Location : Southern region, in lower-western area of property

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID
0				Sandy SILT with abundant plant matter near surface, tan to brown, slightly moist, non-plastic, medium to fine grained, soft, no odor	0.0
1					
2		SM			0.0
3					
4				End of Boring = 4 feet; No Groundwater Encountered; Backfilled with Soil Cuttings	0.0

# Appendix B

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Laboratory Analytical Reports



Date of Report: 03/21/2018

Alex Cruz

Rincon Consultants

180 North Ashwood Avenue  
Ventura, CA 93003

Client Project: 17-05135  
BCL Project: AMCAL  
BCL Work Order: 1808007  
Invoice ID: B297752

Enclosed are the results of analyses for samples received by the laboratory on 3/13/2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton  
Client Service Rep

Stuart Buttram  
Technical Director

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

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Chain of Custody Form

Report to: Rincon Project #: 17-05135 Page 2 of 4

Client: Alet Coz Project Name: AYCAL

Attn: Alet Coz Sampler(s): Alet Coz

Street Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Work Order #: 18-08007

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested	Sample Matrix	Result Request	Surcharge	Notes
B5@4	15	3/12/18	929	GM17	Soil	<input checked="" type="checkbox"/> STD (11 days)		
B6@0.5	-16		1016	TPH	Sludge			
B6@2.5	-17		1020	NOCs	Drinking Water			
B6@4	-18		1024	PCBS	Ground Water			
B7@0.5	-19		1021		Waste Water			
B7@2.5	-20		1025		Other			
B7@4	-21		1029					
B8@0.5	-22		1035					
B8@2.5	-23		1040					
B8@4	-24		1109					
B9@0.5	-25		1033					
B9@2.5	-24		1037					
B9@4	-27		1041					
B10@0.5	-28		1120					

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

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

Global ID (Needed for EDF): \_\_\_\_\_

EDF Required? Geotracker:  Yes  No

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

Client: \_\_\_\_\_

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

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

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

P.O. #: \_\_\_\_\_

1. Relinquished By: \_\_\_\_\_ Date: 3/12/18 Time: 17:44

2. Relinquished By: \_\_\_\_\_ Date: 3/13/18 Time: 09:20

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: 3/13/18 Time: 15:44

2. Received By: \_\_\_\_\_ Date: 3/13/18 Time: 09:20

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

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Chain of Custody Form

Page 3 of 4

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Report To: Rincon Project #: 17-05135  
 Client: Alex Cruz Project Name: AMCAL  
 Attn: Alex Cruz Sampler(s): Alex Cruz  
 Street Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Work Order #: 1808007

Sample #	Description	Date Sampled	Time Sampled	Soil	Sediment	Drinking Water	Ground Water	Waste Water	Other	Notes
B1002.5	-29	3/12/18	1126	X						
B1004	-30		1130							
B1100.5	-31		1049							
B1102.5	-32		1053							
B1104	-33		1057							
B1200.5	-34		1120							
B1202.5	-35		1123							
B1204	-36		1127							
B1300.5	-37		1105							
B1302.5	-38		1109							
B1304	-39		1113							
B1400.5	-40		1225							
B1402.5	-41		1230							
B1404	-42		1240							

Result Request "Surcharge"  
 STD (label)  5 Day"  2 Day"  1 Day"

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

Global ID (needed for EDF): \_\_\_\_\_

EDF Required? Geotracker  Yes  No

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

Client: \_\_\_\_\_

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

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

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

P.O. #: \_\_\_\_\_

1. Received By: [Signature] Date: 3/12/18 Time: 1544

2. Received By: [Signature] Date: 3/13/18 Time: 0920

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

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Chain of Custody Form

Page 4 of 4

Client: Rincon Project #: 17-05135  
 Attn: Alex GZ Project Name: ANCAL  
 Street Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Work Order #: 18-08007  
 Sampler(s): Alex GZ

Analysis Requested

Please refer to file back of this page for completion instructions and method logbook.

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested	Sample Matrix	Result Request "Surcharge"	Notes
B1500.5	-43	3/12/18	1241	CM17 BCP TPH VOCs PCBs	Soil <input checked="" type="checkbox"/> Sludge Drinking Water Ground Water Waste Water Other	<input checked="" type="checkbox"/> STD (label) <input type="checkbox"/> 5 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day	
B1502.5	-44		1244				
B1504	-45		1248	HOLD			
B1600.5	-46		1252				
B1602.5	-47		1256				
B1604	-48		1300	HOLD			
B1700.5	-49		1253				
B1702.5	-50		1258				
B1704	-51		1302	HOLD			
B1800.5	-52		1306				
B1802.5	-53		1311				
B1804	-54		1314	HOLD			

Same as above

EDF Required? Geotracker  Yes  No

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

Global ID (Needed for EDF)

1. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

2. Relinquished By: M. G. G. Date: 3/13/18 Time: 09120

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: M. G. G. Date: 3/12/18 Time: 1544

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

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 of 10

Submission #: 18-08007

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

SHIPPING CONTAINER Ice Chest, None, Box, Other (Specify)

FREE LIQUID YES, NO, W 1 (S)

Refrigerant: Ice, Blue Ice, None, Other, Comments:

Custody Seals Containers, None, Comments:

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

COC Received YES, NO

Emissivity: 95, Container: PL, Thermometer ID: 274, Temperature: (A) 4.2, (C) 4.9

Date/Time: 03-13-18, Analyst: JDO 09:20

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT PE UNPRES, PT CYANIDE, etc. Handwritten sample numbers are present in the bottom row.

Comments: Sample Numbering Completed By:

Date/Time: 3/12/18

Rev 21 05/23/2016

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 10

Submission #: 18-08007

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

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

FREE LIQUID: YES  NO  W 1 (S)

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

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

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

COC Received: YES  NO  Emissivity: 95 Container: 2L Thermometer ID: 274 Date/Time: 03-13-18  
 Temperature: (A) 4.2 °C / (C) 4.9 °C Analyst: AS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	20
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>4</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 503/504/508/509										
QT EPA 515/515150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Analyst: AS Date/Time: 03-13-18 10:27A

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 of 10

Submission #: 18-08007

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

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

**FREE LIQUID**  
 YES  NO   
 W 15

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

Custody Seals Ice Chest  Containers  Intact? Yes  No  Comments: \_\_\_\_\_

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

COC Received YES  NO  Emissivity: 95 Container: pl Thermometer ID: 274 Date/Time: 03-13-18  
 Temperature: (A) 4.2 °C / (C) 4.9 °C Analyst: 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS							
	23	-23	12615927	127289	291	309	359	396
QT PE UNPRES								
4oz / 8oz / 16oz PE UNPRES								
2oz Cr <sup>6</sup>								
QT INORGANIC CHEMICAL METALS								
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz								
PT CYANIDE								
PT NITROGEN FORMS								
PT TOTAL SULFIDE								
2oz. NITRATE / NITRITE								
PT TOTAL ORGANIC CARBON								
PT CHEMICAL OXYGEN DEMAND								
PIA PHENOLICS								
40ml VOA VIAL TRAVEL BLANK								
40ml VOA VIAL								
QT EPA 1664								
PT ODOR								
RADIOLOGICAL								
BACTERIOLOGICAL								
40 ml VOA VIAL - 504								
QT EPA 503/603/030								
QT RPA 515 J/8150								
QT EPA 525								
QT EPA 525 TRAVEL BLANK								
40ml EPA 547								
40ml EPA 531.1								
8oz RPA 548								
QT EPA 549								
QT EPA 8015M								
QT EPA 8270								
8oz / 16oz / 32oz AMBER								
8oz / 16oz / 32oz JAR								
SOIL SLEEVE								
PCB VIAL								
PLASTIC BAG								
TEDLAR BAG								
FERROUS IRON								
ENCORE								
SMART KIT								
SUMMA CANISTER								

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: JA Date/Time: 3:15 1420 Rev 21 09/23/2016  
 A = Actual / C = Corrected

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BC LABORATORIES INC.		COOLER RECEIPT FORM		Page 4 of 10						
Submission #: 18-08007										
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input type="checkbox"/> Other <input checked="" type="checkbox"/> (Specify) GSD			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify)		FREE LIQUID YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> W 15					
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments:										
Custody Seals: Chests <input checked="" type="checkbox"/> Containers <input checked="" type="checkbox"/> None <input type="checkbox"/> Comments:										
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: 95 Container: 26 Thermometer ID: 274		Date/Time: 03.13.18						
		Temperature: (A) 4.2 °C (C) 4.9 °C		Analyst: [Signature] 09:20						
SAMPLE CONTAINERS	SAMPLE NUMBERS									
	138	139	404	414	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE	A	A	A	A						
SMART KIT										
SUMMA CANISTER										
Comments: NA				Date/Time: 3/12 1420		Rev 21 05/23/2016				

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 5 of 10

Submission #: 18-08007

<b>SHIPPING INFORMATION</b> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input type="checkbox"/> Other <input checked="" type="checkbox"/> (Specify) <u>250</u>		<b>SHIPPING CONTAINER</b> Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		<b>FREE LIQUID</b> YES <input type="checkbox"/> NO <input type="checkbox"/> W <input checked="" type="checkbox"/> S <input type="checkbox"/>	
--	--	---	--	--	--

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

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

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

COC Received  YES  NO

Emissivity: 97 Container: Capass Thermometer ID: 274 Date/Time: 3-13-18  
 Temperature: (A) 0.0 °C / (C) 0.0 °C Analyst Init: AD 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/808										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 801SM										
QT EPA 8276										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz IAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TRDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Sample Numbering Completed By: M Date/Time: 3-13 1440 Rev 21 05/23/2016

\ = Actual / C = Corrected

IS:\WF\DocWork\Project\LAB\_DOCS\FORMS\SAMRECv20



BC LABORATORIES INC. COOLER RECEIPT FORM Page 6 of 10

Submission #: 18-08007

SHIPPING INFORMATION		SHIPPING CONTAINER	FREE LIQUID
Fed Ex <input type="checkbox"/>	UPS <input type="checkbox"/>	Ontrac <input type="checkbox"/>	Hand Delivery <input type="checkbox"/>
BC Lab Field Service <input type="checkbox"/>	Other (Specify) <u>ASD</u>	Ice Chest <input checked="" type="checkbox"/>	None <input type="checkbox"/>
		Box <input type="checkbox"/>	Other (Specify) _____
			YES <input type="checkbox"/>
			NO <input type="checkbox"/>
			W <input checked="" type="checkbox"/>

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

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

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

COC Received  YES  NO

Emissivity: 97 Container: GLASS Thermometer ID: 279 Date/Time: 3.13.18

Temperature: (A) 0.0 °C / (C) 0.0 °C Analyst Init: AD

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PR UNPRES										
4oz / 8oz / 16oz PR UNPRES										
2oz Cr <sup>4+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE/NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/509/509D										
QT EPA 515.1/515										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
45ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Sample Numbering Completed By: M Date/Time: 3.13.18 1440

REV 21 05/23/2016



BC LABORATORIES INC. COOLER RECEIPT FORM Page 7 of 10

Submission #: 18-08007

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other (Specify) 250

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

FREE LIQUID: YES  NO  W 15

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

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

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

COC Received: YES  NO  Emissivity: 97 Container: GLASS Thermometer ID: 274 Date/Time: 3-13-18

Temperature: (A) 0.0 °C / (C) 0.0 °C Analyst Init: AD 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	21	22	23	24	427404	417	424	434	444	
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE/NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/08/8280										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Sample Numbering Completed By: M Date/Time: 3-13 1440 Rev 21 05/23/2016

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 8 of 10

Submission #: 18-08007

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

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

FREE LIQUID: YES  NO  W S

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

Custody Seals: Ice Chest  Containers  Intact? Yes  No  Comments: \_\_\_\_\_

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

COC Received: YES  NO  Emissivity: 97 Container: GLASS Thermometer ID: 274 Date/Time: 3-13-18  
 Temperature: (A) 0.0 °C / (C) 0.0 °C Analyst Init: AD 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	47	48	49	50	51	52	53	54	9	10
QT PE UNPRES										
4oz / Box / 16oz PE UNPRES										
2oz Cr <sup>4+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/008080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
PT 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

A A E E E A A A

Comments: \_\_\_\_\_ Date/Time: 3-13 1440 Rev 21 05/23/2016

Sample Numbering Completed By: AM

A = Actual C = Corrected (S:\WPDoc\WordPerfect\LAB\_DOC\FORMS\ISAMEC\rev 20)



# Laboratories, Inc.

Environmental Testing Laboratory Since 1949

BC LABORATORIES INC. COOLER RECEIPT FORM Page 9 of 10

Submission #: 18-08007

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) 250

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

FREE LIQUID: YES  NO  W / S

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

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

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

COC Received: YES  NO  Emissivity: 0.7 Container: GLASS Thermometer ID: 274 Date/Time: 3-13-18

Temperature: (A) 2-0 °C / (C) 1-8 °C Analyst: JS 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	115	26	287	291	301	311	321	331	341	351
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT RPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 503/503/8080										
QT EPA 515.J/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz RPA 548										
QT RPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SERVE										
PCB VIAL										
PLASTIC BAG										
TRELLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Sample Numbering Completed By: MA Date/Time: 3-13 1450 Rev 21 05/23/2016

A = Actual / C = Corrected

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# Laboratories, Inc.

Environmental Testing Laboratory Since 1949

BC LABORATORIES INC. COOLER RECEIPT FORM Page 10 of 10

Submission #: 18-08007

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

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

FREE LIQUID: YES  NO  W 1/5

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

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

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

COC Received: YES  NO

Emissivity: 0.7 Container: GLASS Thermometer ID: 274 Date/Time: 3-13-18

Temperature: (A) 2-0 °C, (C) 1-8 °C Analyst: JAV 09:20

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	136	377	387	394	424	454	464	474	504	514
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>4+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE/NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/808D										
QT EPA 515.1/815D										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz <del>AMBER</del> JAV										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TREDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

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

Sample Numbering Completed By: M Date/Time: 3-13-18 14:50

Rev 21 05/23/2016

A - Actual / C - Corrected

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1808007-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:48
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B1@0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:53
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B1@2.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:57
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B1@4	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:48
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B2@0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:52
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B2@2.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 08:55
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B2@4	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			
1808007-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 09:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B3@0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
	<hr/>			

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Lab Matrix:	Sample Type:
1808007-08	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:22	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B3@2.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-09	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:28	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B3@4						
	<b>Sampled By:</b>	Alex Cruz						
1808007-10	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:07	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B4@0.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-11	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:11	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B4@2.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-12	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:15	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B4@4						
	<b>Sampled By:</b>	Alex Cruz						
1808007-13	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:20	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B5@0.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-14	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 09:24	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B5@2.5						
	<b>Sampled By:</b>	Alex Cruz						

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1808007-15	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 09:29
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B5@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-16	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:16
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B6@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-17	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:20
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B6@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-18	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:24
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B6@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-19	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:21
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B7@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-20	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B7@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-21	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:24
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B7@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1808007-22	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:35
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B8@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-23	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:40
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B8@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-24	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:09
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B8@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-25	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:33
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B9@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-26	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:37
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B9@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-27	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:41
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B9@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-28	<b>COC Number:</b>	---		03/13/2018	09:20
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:20
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B10@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1808007-29	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:26
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B10@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-30	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B10@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-31	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:49
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B11@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-32	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:53
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B11@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-33	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 10:57
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B11@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-34	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:20
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B12@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-35	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:23
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B12@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1808007-36	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:27
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B12@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-37	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:05
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B13@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-38	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:09
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B13@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-39	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 11:13
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B13@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-40	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 12:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B14@0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-41	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 12:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B14@2.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil
1808007-42	<b>COC Number:</b>	---		03/13/2018 09:20	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	03/12/2018 12:40
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B14@4		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz		<b>Sample Type:</b>	Soil

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Lab Matrix:	Sample Type:
1808007-43	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:41	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B15@0.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-44	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:44	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B15@2.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-45	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:48	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B15@4						
	<b>Sampled By:</b>	Alex Cruz						
1808007-46	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:52	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B16@0.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-47	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:56	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B16@2.5						
	<b>Sampled By:</b>	Alex Cruz						
1808007-48	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 13:00	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B16@4						
	<b>Sampled By:</b>	Alex Cruz						
1808007-49	<b>COC Number:</b>	---		03/13/2018 09:20	03/12/2018 12:53	---	Solids	Soil
	<b>Project Number:</b>	---						
	<b>Sampling Location:</b>	---						
	<b>Sampling Point:</b>	B17@0.5						
	<b>Sampled By:</b>	Alex Cruz						

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1808007-50	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 12:58
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B17@2.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
1808007-51	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 13:02
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B17@4	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
1808007-52	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 13:06
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B18@0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
1808007-53	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 13:11
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B18@2.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil
1808007-54	<b>COC Number:</b>	---	<b>Receive Date:</b>	03/13/2018 09:20
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	03/12/2018 13:14
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	B18@4	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Alex Cruz	<b>Sample Type:</b>	Soil

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-01	<b>Client Sample Name:</b> B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
<b>4,4'-DDE</b>	<b>0.00061</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	50.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	50.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 10:13	HKS	GC-17	0.997	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-01		Client Sample Name: B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	66.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 11:16	HKS	GC-15	1.010	B007878

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1808007-01 Client Sample Name: B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-01		Client Sample Name:	B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz				
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0015	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0061	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0061	0.0021	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0029	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0061	0.00061	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0061	0.0017	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0061	0.0017	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0061	0.0015	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0061	0.0026	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0061	0.0024	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0061	0.00094	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0061	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0061	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0061	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0061	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0061	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0041	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0061	0.0027	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0061	0.0015	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-01	<b>Client Sample Name:</b> B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:32	03/14/18 05:05	BEP	MS-V3	1.217	B007434

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-01	<b>Client Sample Name:</b> B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	97.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 19:21	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-01	<b>Client Sample Name:</b> B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	13	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	56	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	97.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 09:44	RCC	GC-2	1.017	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-01	<b>Client Sample Name:</b> B1@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
<b>Arsenic</b>	<b>2.6</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.40</b>	<b>EPA-6010B</b>	ND		1
<b>Barium</b>	<b>33</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.18</b>	<b>EPA-6010B</b>	ND		1
<b>Beryllium</b>	<b>0.14</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.047</b>	<b>EPA-6010B</b>	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
<b>Chromium</b>	<b>17</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.050</b>	<b>EPA-6010B</b>	0.13		1
<b>Cobalt</b>	<b>4.2</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.098</b>	<b>EPA-6010B</b>	ND		1
<b>Copper</b>	<b>6.3</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>EPA-6010B</b>	ND		1
<b>Lead</b>	<b>2.8</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.28</b>	<b>EPA-6010B</b>	ND		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
<b>Nickel</b>	<b>21</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.15</b>	<b>EPA-6010B</b>	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
<b>Vanadium</b>	<b>29</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.11</b>	<b>EPA-6010B</b>	ND		1
<b>Zinc</b>	<b>17</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>EPA-6010B</b>	0.25		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 13:52	JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:00	JP1	CETAC2	0.992	B007859

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-02) and Client Sample Name (B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows run 1 details.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-02		Client Sample Name: B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	68.3	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 11:26	HKS	GC-15	1	B007878

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-02	Client Sample Name:	B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0059	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0059	0.00099	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0059	0.00074	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0010	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	

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Rincon Consultants
180 North Ashwood Avenue
Ventura, CA 93003

Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Volatile Organic Analysis (EPA Method 8260B/5035)

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

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-02	<b>Client Sample Name:</b> B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:32	03/14/18 05:28		BEP	MS-V3	1.176	B007434

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-02	<b>Client Sample Name:</b> B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18	19:42	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-02	<b>Client Sample Name:</b> B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	8.5	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	12	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	110	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18	11:27	RCC	GC-2	1.003	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-02	<b>Client Sample Name:</b> B1@2.5, 3/12/2018 8:53:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
<b>Arsenic</b>	<b>2.9</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.40</b>	<b>EPA-6010B</b>	ND		1
<b>Barium</b>	<b>30</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.18</b>	<b>EPA-6010B</b>	ND		1
<b>Beryllium</b>	<b>0.13</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.047</b>	<b>EPA-6010B</b>	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
<b>Chromium</b>	<b>22</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.050</b>	<b>EPA-6010B</b>	0.13		1
<b>Cobalt</b>	<b>4.1</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.098</b>	<b>EPA-6010B</b>	ND		1
<b>Copper</b>	<b>6.2</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>EPA-6010B</b>	ND		1
<b>Lead</b>	<b>2.3</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.28</b>	<b>EPA-6010B</b>	ND	J	1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
<b>Nickel</b>	<b>22</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.15</b>	<b>EPA-6010B</b>	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
<b>Vanadium</b>	<b>30</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.11</b>	<b>EPA-6010B</b>	ND		1
<b>Zinc</b>	<b>16</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>EPA-6010B</b>	0.25		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:10	JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:11	JP1	CETAC2	0.992	B007859

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Ventura, CA 93003

Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-04) and Client Sample Name (B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-04		Client Sample Name: B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	56.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 11:37	HKS	GC-15	0.997	B007878

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-04	<b>Client Sample Name:</b> B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-04	Client Sample Name:	B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	97.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-04	<b>Client Sample Name:</b> B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:32	03/14/18 06:13	BEP	MS-V3	0.919	B007434

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-04	<b>Client Sample Name:</b> B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	125	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 20:04	TDH	GC-V8	1	B007618

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-04	<b>Client Sample Name:</b> B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	160	mg/kg	200	24	EPA-8015CC	ND	J,A01	1
TPH - Motor Oil (C28+)	950	mg/kg	400	130	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	71.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 10:59	RCC	GC-13	20.270	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-04	<b>Client Sample Name:</b> B2@0.5, 3/12/2018 8:48:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	7.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	120	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.41	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.14	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	10	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	24	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	17	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.12	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	30	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	53	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	70	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:12		JCC	PE-OP3	0.980	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:13		JP1	CETAC2	0.962	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-05	<b>Client Sample Name:</b> B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000068	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0010	0.00026	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0010	0.00030	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0010	0.000094	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00016	EPA-8081A	ND	A10	1
<b>Chlordane (Technical)</b>	<b>0.020</b>	<b>mg/kg</b>	<b>0.10</b>	<b>0.0034</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDD</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00042</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>4,4'-DDE</b>	<b>0.0033</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000040</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>4,4'-DDT</b>	<b>0.0032</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00019</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>Dieldrin</b>	<b>0.00033</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00016</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0010	0.000044	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0010	0.00028	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00068	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0010	0.00018	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0010	0.00046	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0010	0.000072	EPA-8081A	ND	A10	1
<b>Heptachlor epoxide</b>	<b>0.00018</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000034</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Methoxychlor	ND	mg/kg	0.0010	0.00042	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.10	0.019	EPA-8081A	ND	A10	1
TCMX (Surrogate)	60.6	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	63.2	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 11:01	HKS	GC-17	2	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-05		Client Sample Name: B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
<b>PCB-1260</b>	<b>0.0098</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0056</b>	<b>EPA-8082</b>	ND	J	1	
<b>Total PCB's (Summation)</b>	<b>0.0098</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	ND	J	1	
Decachlorobiphenyl (Surrogate)	56.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 11:47	HKS	GC-15	1.014	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-05	Client Sample Name:	B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0063	0.0012	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0063	0.0011	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0063	0.00079	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0063	0.0023	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0063	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0063	0.0021	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0063	0.0013	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0063	0.0023	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0063	0.0010	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0063	0.0011	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0063	0.0010	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-05		Client Sample Name: B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0063	0.0021	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.013	0.0030	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0063	0.00063	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0063	0.0026	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0063	0.0025	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0063	0.00096	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.013	0.0043	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0063	0.0028	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-05	<b>Client Sample Name:</b> B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:32	03/14/18 06:35		BEP	MS-V3	1.253	B007434

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-05	<b>Client Sample Name:</b> B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 20:25	TDH	GC-V8	1	B007618

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-05	<b>Client Sample Name:</b> B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	11	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	60	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	95.8	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 09:21	RCC	GC-2	1.014	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-05	<b>Client Sample Name:</b> B2@2.5, 3/12/2018 8:52:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	58	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.17	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.18	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	3.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	15	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.037	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.083	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	75	mg/kg	2.5	0.087	EPA-6010B	0.25		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:13	JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:16	JP1	CETAC2	0.992	B007859

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

BCL Sample ID: 1808007-07 Client Sample Name: B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.0085	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.0018</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.00085</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>Dieldrin</b>	<b>0.00049</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00040</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	ND	A10	1
TCMX (Surrogate)	40.0	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	43.0	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 11:17	HKS	GC-17	5.085	B007886

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-07		Client Sample Name: B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	41.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 11:58	HKS	GC-15	1.003	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-07	Client Sample Name:	B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0043	0.00079	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0043	0.00072	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0043	0.0014	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0043	0.00054	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0043	0.00086	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0043	0.00073	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-07	Client Sample Name:	B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0086	0.0021	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00043	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	0.0018	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0017	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0043	0.0014	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	0.0011	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0043	0.0014	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0086	0.0029	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0043	0.0019	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-07	<b>Client Sample Name:</b> B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/14/18 07:20		BEP	MS-V3	0.856	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-07	<b>Client Sample Name:</b> B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 20:47	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-07	<b>Client Sample Name:</b> B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	23	mg/kg	20	2.4	EPA-8015CC	ND	A01	1
TPH - Motor Oil (C28+)	140	mg/kg	40	13	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	54.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18 16:48	RCC	GC-13	2.027	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-07	<b>Client Sample Name:</b> B3@0.5, 3/12/2018 9:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.092	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	35	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	9.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	22	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	12	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.052	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	39	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	44	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	48	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:15		JCC	PE-OP3	0.980	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:22		JP1	CETAC2	0.992	B007859

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-08) and Client Sample Name (B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-08		Client Sample Name: B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	66.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 12:09	HKS	GC-15	1	B007878

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-08	<b>Client Sample Name:</b> B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0069	0.0013	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0069	0.0012	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0069	0.00087	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0069	0.0025	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0069	0.0014	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0069	0.0023	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0069	0.0014	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0069	0.0025	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0069	0.0012	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-08	Client Sample Name:	B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0069	0.0023	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.014	0.0033	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0069	0.00069	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0069	0.0029	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0069	0.0028	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.014	0.0047	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0069	0.0030	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0069	0.0017	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-08	<b>Client Sample Name:</b> B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/14/18 07:42		BEP	MS-V3	1.377	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-08	<b>Client Sample Name:</b> B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 21:08	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-08	<b>Client Sample Name:</b> B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.8	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	7.9	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	110	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18 12:12	RCC	GC-2	1.014	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

BCL Sample ID: 1808007-08		Client Sample Name: B3@2.5, 3/12/2018 9:22:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	33	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.14	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	4.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	5.5	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.4	mg/kg	2.5	0.28	EPA-6010B	ND	J	1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	16	mg/kg	2.5	0.087	EPA-6010B	0.23		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:16		JCC	PE-OP3	0.943	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:24		JP1	CETAC2	0.977	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-10	<b>Client Sample Name:</b> B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00034	EPA-8081A	ND	A10	1
<b>alpha-BHC</b>	<b>0.0025</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.0013</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
beta-BHC	ND	mg/kg	0.0050	0.0015	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00047	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.00082	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.017	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.00087</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
4,4'-DDT	ND	mg/kg	0.0050	0.00093	EPA-8081A	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00079	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00022	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.0014	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0034	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00091	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.0023	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.00036	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.00017	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.094	EPA-8081A	ND	A10	1
TCMX (Surrogate)	84.6	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	95.2	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 11:50	HKS	GC-17	10	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-10		Client Sample Name: B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	50.0	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 12:51	HKS	GC-15	1.017	B007878

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-10	<b>Client Sample Name:</b> B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0059	0.0011	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0059	0.00099	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0059	0.00074	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0010	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-10	Client Sample Name:	B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0059	0.00059	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0025	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0023	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.00090	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0059	0.0026	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	96.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-10	<b>Client Sample Name:</b> B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/14/18 19:35	BEP	MS-V3	1.174	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-10	<b>Client Sample Name:</b> B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 21:29	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-10	<b>Client Sample Name:</b> B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	130	mg/kg	200	24	EPA-8015CC	ND	J,A01	1
TPH - Motor Oil (C28+)	810	mg/kg	400	130	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	45.0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 10:14	RCC	GC-13	20.134	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

BCL Sample ID: 1808007-10		Client Sample Name: B4@0.5, 3/12/2018 9:07:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	8.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	82	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.093	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	8.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	26	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	14	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.15	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	25	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	48	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	52	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:18		JCC	PE-OP3	0.990	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:26		JP1	CETAC2	0.992	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-11	<b>Client Sample Name:</b> B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	64.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 13:10	HKS	GC-17	1.010	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-11		Client Sample Name: B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	20.0	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:02	HKS	GC-15	1.017	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-11	Client Sample Name:	B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0059	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0059	0.00099	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0059	0.00074	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0010	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0059	0.00095	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-11	Client Sample Name:	B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0059	0.00059	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0059	0.0016	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0025	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0023	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.00090	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0059	0.0026	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-11	<b>Client Sample Name:</b> B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/14/18 19:58	BEP	MS-V3	1.174	B007510

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-11	<b>Client Sample Name:</b> B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 21:51	TDH	GC-V8	1	B007618

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-11	<b>Client Sample Name:</b> B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	6.9	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	9.3	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	80.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 08:35	RCC	GC-2	0.993	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-11	<b>Client Sample Name:</b> B4@2.5, 3/12/2018 9:11:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
<b>Arsenic</b>	<b>2.3</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.40</b>	<b>EPA-6010B</b>	ND		1
<b>Barium</b>	<b>27</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.18</b>	<b>EPA-6010B</b>	ND		1
<b>Beryllium</b>	<b>0.11</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.047</b>	<b>EPA-6010B</b>	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
<b>Chromium</b>	<b>18</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.050</b>	<b>EPA-6010B</b>	0.12		1
<b>Cobalt</b>	<b>3.4</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.098</b>	<b>EPA-6010B</b>	ND		1
<b>Copper</b>	<b>5.2</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>EPA-6010B</b>	ND		1
<b>Lead</b>	<b>2.0</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.28</b>	<b>EPA-6010B</b>	ND	J	1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
<b>Nickel</b>	<b>18</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.15</b>	<b>EPA-6010B</b>	ND		1
<b>Selenium</b>	<b>1.2</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.98</b>	<b>EPA-6010B</b>	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
<b>Vanadium</b>	<b>22</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.11</b>	<b>EPA-6010B</b>	ND		1
<b>Zinc</b>	<b>13</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>EPA-6010B</b>	0.23		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:19		JCC	PE-OP3	0.952	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:28		JP1	CETAC2	1.025	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-13	<b>Client Sample Name:</b> B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	ND	A10	1
<b>Chlordane (Technical)</b>	<b>0.022</b>	<b>mg/kg</b>	<b>0.25</b>	<b>0.0085</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.00066</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>Dieldrin</b>	<b>0.00068</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00040</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A	ND	A10	1
<b>Heptachlor</b>	<b>0.00069</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00018</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	ND	A10	1
TCMX (Surrogate)	61.7	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	62.3	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 13:26	HKS	GC-17	4.967	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-13		Client Sample Name: B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	73.3	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:12	HKS	GC-15	1.007	B007878

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-13	Client Sample Name:	B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0060	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0060	0.00075	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0060	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0060	0.0020	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0060	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	0.00097	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0060	0.00097	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-13		Client Sample Name: B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0060	0.0020	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0029	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0060	0.00060	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	0.0025	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	0.0024	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0060	0.00092	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0041	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0060	0.0026	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-13	<b>Client Sample Name:</b> B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 01:13	BEP	MS-V3	1.193	B007510

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-13	<b>Client Sample Name:</b> B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 22:12	TDH	GC-V8	1	B007618

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-13	<b>Client Sample Name:</b> B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	32	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	89	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	119	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 11:16	RCC	GC-2	1.017	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-13	<b>Client Sample Name:</b> B5@0.5, 3/12/2018 9:20:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	3.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	68	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.13	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	5.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	4.6	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.021	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.098	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	24	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	28	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:21	JCC	PE-OP3	0.962	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:30	JP1	CETAC2	0.962	B007859

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

**BCL Sample ID:** 1808007-14      **Client Sample Name:** B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	79.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	78.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 13:43	HKS	GC-17	1.007	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-14		Client Sample Name: B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	63.3	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:23	HKS	GC-15	0.993	B007878

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

BCL Sample ID:	1808007-14	Client Sample Name:	B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-14	Client Sample Name:	B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-14	<b>Client Sample Name:</b> B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 01:35	BEP	MS-V3	1.096	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-14	<b>Client Sample Name:</b> B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	110	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/14/18 23:59	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-14	<b>Client Sample Name:</b> B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.9	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	6.7	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	103	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18 12:35		RCC	GC-2	1.010	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-14	<b>Client Sample Name:</b> B5@2.5, 3/12/2018 9:24:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	49	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.19	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	4.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	7.0	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.8	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.029	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	22	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	20	mg/kg	2.5	0.087	EPA-6010B	0.23		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:31	JCC	PE-OP3	0.943	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:33	JP1	CETAC2	1.025	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-16	<b>Client Sample Name:</b> B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000068	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0010	0.00026	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0010	0.00030	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0010	0.000094	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00016	EPA-8081A	ND	A10	1
<b>Chlordane (Technical)</b>	<b>0.029</b>	<b>mg/kg</b>	<b>0.10</b>	<b>0.0034</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDD</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00042</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>4,4'-DDE</b>	<b>0.00069</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000040</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.0010</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00019</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>Dieldrin</b>	<b>0.00037</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00016</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0010	0.000044	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0010	0.00028	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00068	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0010	0.00018	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0010	0.00046	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0010	0.000072	EPA-8081A	ND	A10	1
<b>Heptachlor epoxide</b>	<b>0.00033</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000034</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Methoxychlor	ND	mg/kg	0.0010	0.00042	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.10	0.019	EPA-8081A	ND	A10	1
TCMX (Surrogate)	81.2	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	68.4	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 13:59	HKS	GC-17	2.034	B007886

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-16		Client Sample Name: B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	56.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:33	HKS	GC-15	1.017	B007878

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

BCL Sample ID:	1808007-16	Client Sample Name:	B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0060	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0060	0.00076	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0060	0.0022	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0060	0.0021	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0060	0.0022	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	0.00098	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0060	0.00098	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1	

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-16	Client Sample Name:	B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0060	0.0021	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0029	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0060	0.00060	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	0.0025	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	0.0024	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0060	0.00093	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0041	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0060	0.0027	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-16	<b>Client Sample Name:</b> B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 02:20		BEP	MS-V3	1.208	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-16	<b>Client Sample Name:</b> B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	97.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/15/18 00:21	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-16	<b>Client Sample Name:</b> B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	10	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	66	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	84.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 10:07	RCC	GC-2	1.007	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-16	<b>Client Sample Name:</b> B6@0.5, 3/12/2018 10:16:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	55	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.29	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	18	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	7.0	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.060	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.14	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	35	mg/kg	2.5	0.087	EPA-6010B	0.25		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:33		JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:35		JP1	CETAC2	1.025	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.0070</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	81.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	85.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 14:15	HKS	GC-17	1.003	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-17		Client Sample Name: B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	58.3	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:44	HKS	GC-15	1.014	B007878

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0060	0.0011	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0060	0.00076	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0060	0.0022	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0060	0.0020	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0060	0.0012	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0060	0.0022	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0060	0.00097	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0060	0.0010	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0060	0.00097	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-17							
Client Sample Name:	B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0060	0.0020	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0029	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0060	0.00060	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0060	0.0017	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	0.0025	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	0.0024	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0060	0.00092	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0060	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0060	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0060	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0041	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0060	0.0026	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0060	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 02:42		BEP	MS-V3	1.199	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/14/18 12:00	03/15/18 00:42	TDH	GC-V8	1	B007618

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.5	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	9.0	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	90.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18 12:58	RCC	GC-2	0.993	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-17	<b>Client Sample Name:</b> B6@2.5, 3/12/2018 10:20:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
<b>Arsenic</b>	<b>3.0</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.40</b>	<b>EPA-6010B</b>	ND		1
Barium	42	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.18	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	25	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	4.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.8	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.023	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	17	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:34		JCC	PE-OP3	0.971	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:37		JP1	CETAC2	1.008	B007859

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-19	<b>Client Sample Name:</b> B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.0085	EPA-8081A	ND	A10	1
<b>4,4'-DDD</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.0010</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDE</b>	<b>0.0038</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>4,4'-DDT</b>	<b>0.0032</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	ND	<b>A10</b>	1
<b>Dieldrin</b>	<b>0.0022</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00040</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	ND	A10	1
<b>Heptachlor epoxide</b>	<b>0.00046</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.000085</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	ND	A10	1
TCMX (Surrogate)	44.1	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	40.8	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 14:32	HKS	GC-17	4.967	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-19		Client Sample Name: B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	38.3	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 13:55	HKS	GC-15	1.017	B007878

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-19	Client Sample Name:	B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

BCL Sample ID: 1808007-19		Client Sample Name: B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-19	<b>Client Sample Name:</b> B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 03:27		BEP	MS-V3	0.951	B007510

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-19	<b>Client Sample Name:</b> B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 17:11	TDH	GC-V8	1	B007729

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-19	<b>Client Sample Name:</b> B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	9.4	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	56	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	66.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 10:53	RCC	GC-2	1.010	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-19	<b>Client Sample Name:</b> B7@0.5, 3/12/2018 10:21:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.3	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.18	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	38	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	9.1	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	22	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	24	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.10	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.18	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	42	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	41	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	59	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:36	JCC	PE-OP3	0.971	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:39	JP1	CETAC2	1.008	B007859

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-20) and Client Sample Name (B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows run 1 details.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-20		Client Sample Name: B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	50.0	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 14:05	HKS	GC-15	1.014	B007878

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-20	Client Sample Name:	B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0057	0.00096	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0057	0.00072	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0057	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0057	0.0019	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0057	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0057	0.00092	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0057	0.00097	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0057	0.00092	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-20	Client Sample Name:	B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0057	0.0019	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.011	0.0027	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0057	0.00057	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0057	0.0024	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0057	0.0023	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0057	0.00088	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.011	0.0039	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0057	0.0025	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	97.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	95.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-20	<b>Client Sample Name:</b> B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 03:50		BEP	MS-V3	1.142	B007510

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-20	<b>Client Sample Name:</b> B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 17:33	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-20	<b>Client Sample Name:</b> B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.4	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	10	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	105	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/18/18 11:50	RCC	GC-2	1.017	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-20	<b>Client Sample Name:</b> B7@2.5, 3/12/2018 10:25:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	50	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.18	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.058	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	4.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	7.1	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	3.6	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	19	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:37	JCC	PE-OP3	0.980	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:41	JP1	CETAC2	0.977	B007859

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-22	<b>Client Sample Name:</b> B8@0.5, 3/12/2018 10:35:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.0085	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0025	0.00010	EPA-8081A	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0025	0.00046	EPA-8081A	ND	A10	1
Dieldrin	ND	mg/kg	0.0025	0.00040	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	ND	A10	1
TCMX (Surrogate)	61.6	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	48.2	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 15:05	HKS	GC-17	5.068	B007886

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-22	<b>Client Sample Name:</b> B8@0.5, 3/12/2018 10:35:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	8.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	55	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	22	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	7.6	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	8.3	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.056	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.070	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	47	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	40	mg/kg	2.5	0.087	EPA-6010B	0.25		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:38		JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 13:53		JP1	CETAC2	1.008	B007859

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-23	<b>Client Sample Name:</b> B8@2.5, 3/12/2018 10:40:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	0.000081	mg/kg	0.00050	0.000034	EPA-8081A	ND	J	1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	0.0080	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	0.013	mg/kg	0.050	0.0017	EPA-8081A	ND	J	1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
4,4'-DDE	0.00033	mg/kg	0.00050	0.000020	EPA-8081A	ND	J	1
4,4'-DDT	0.00030	mg/kg	0.00050	0.000093	EPA-8081A	ND	J	1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	56.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	53.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 15:21	HKS	GC-17	1.017	B007886

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-23	<b>Client Sample Name:</b> B8@2.5, 3/12/2018 10:40:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	3.2	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	46	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.17	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.081	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	4.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	8.6	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	6.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	29	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:40		JCC	PE-OP3	0.990	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 14:03		JP1	CETAC2	1.025	B007859

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-25	<b>Client Sample Name:</b> B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00034	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0013	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0015	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00047	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.00082	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.017	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.0011</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.00093</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Dieldrin	ND	mg/kg	0.0050	0.00079	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00022	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.0014	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0034	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00091	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.0023	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.00036	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.00017	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.094	EPA-8081A	ND	A10	1
TCMX (Surrogate)	54.8	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	55.4	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 15:37	HKS	GC-17	10.101	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-25		Client Sample Name: B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	51.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 14:16	HKS	GC-15	1.007	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-25	Client Sample Name:	B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0097	0.0018	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0097	0.0016	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0097	0.0029	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0097	0.0031	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0097	0.0029	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0097	0.0012	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0097	0.0035	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0097	0.0019	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0097	0.0033	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0097	0.0019	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0097	0.0035	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0097	0.0016	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0097	0.0029	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0097	0.0016	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0097	0.0016	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-25		Client Sample Name: B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0097	0.0029	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0097	0.0033	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.019	0.0047	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0097	0.00097	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0097	0.0027	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0097	0.0041	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0097	0.0039	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0097	0.0015	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0097	0.0021	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0097	0.0031	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0097	0.0025	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0097	0.0029	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0097	0.0031	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.019	0.0066	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0097	0.0043	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0097	0.0023	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-25	<b>Client Sample Name:</b> B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 04:35		BEP	MS-V3	1.938	B007510

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-25	<b>Client Sample Name:</b> B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 17:54	TDH	GC-V8	1	B007729

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-25	<b>Client Sample Name:</b> B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	130	mg/kg	200	24	EPA-8015CC	ND	J,A01	1
TPH - Motor Oil (C28+)	770	mg/kg	400	130	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	69.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 09:51	RCC	GC-13	19.737	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-25	<b>Client Sample Name:</b> B9@0.5, 3/12/2018 10:33:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.17	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	29	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	8.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	21	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	18	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.13	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	28	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	47	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	53	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	
1	EPA-6010B	03/16/18 10:30	03/19/18 14:41		JCC	PE-OP3	0.962	B007914	
2	EPA-7471A	03/16/18 09:45	03/16/18 14:05		JP1	CETAC2	0.962	B007859	

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-26) and Client Sample Name (B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz)

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

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

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-26		Client Sample Name: B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	73.3	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 14:26	HKS	GC-15	1.007	B007878

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-26	Client Sample Name:	B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0059	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0059	0.00099	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0059	0.00074	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.00096	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0010	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0059	0.00096	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-26	Client Sample Name:	B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0059	0.00059	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0025	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0024	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.00091	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0059	0.0026	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	97.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-26	<b>Client Sample Name:</b> B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz
----------------------------------	--

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 04:57	BEP	MS-V3	1.182	B007510

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-26	<b>Client Sample Name:</b> B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 18:15	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-26	<b>Client Sample Name:</b> B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	8.1	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	22	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	88.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 08:58	RCC	GC-2	1.014	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-26	<b>Client Sample Name:</b> B9@2.5, 3/12/2018 10:37:00AM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	40	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.15	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	0.13		1
Cobalt	3.6	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	5.5	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.8	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.026	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	0.16		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	16	mg/kg	2.5	0.087	EPA-6010B	0.25		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:52		JCC	PE-OP3	1	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 14:07		JP1	CETAC2	0.992	B007859

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-28	<b>Client Sample Name:</b> B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	0.00036	mg/kg	0.00050	0.000034	EPA-8081A	ND	J	1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.018</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
<b>4,4'-DDE</b>	<b>0.00010</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDT</b>	<b>0.00021</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
Dieldrin	0.00012	mg/kg	0.00050	0.000079	EPA-8081A	ND	J	1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	87.8	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	73.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 17:09	HKS	GC-17	0.993	B007886

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-28		Client Sample Name: B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	35.0	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 15:08	HKS	GC-15	1.003	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-28	<b>Client Sample Name:</b> B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.012	0.0023	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.012	0.0021	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.012	0.0038	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.012	0.0038	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.012	0.0016	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.012	0.0045	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.012	0.0025	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.012	0.0042	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.012	0.0025	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.012	0.0045	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.012	0.0020	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.012	0.0038	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.012	0.0021	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.012	0.0020	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-28	Client Sample Name:	B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.012	0.0038	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.012	0.0042	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.025	0.0060	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.012	0.0012	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.012	0.0035	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.012	0.0052	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.012	0.0050	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.012	0.0019	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.012	0.0032	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.012	0.0038	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.025	0.0085	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.012	0.0055	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.012	0.0030	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	97.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-28	<b>Client Sample Name:</b> B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 05:42		BEP	MS-V3	2.500	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-28	<b>Client Sample Name:</b> B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 13:41	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-28	<b>Client Sample Name:</b> B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	9.9	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	60	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	101	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18	11:38	RCC	GC-2	0.997	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

BCL Sample ID: 1808007-28		Client Sample Name: B10@0.5, 3/12/2018 11:20:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	49	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	6.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	6.8	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.038	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.12	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	15	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	1.1	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	34	mg/kg	2.5	0.087	EPA-6010B	0.23		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:53		JCC	PE-OP3	0.952	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 14:10		JP1	CETAC2	0.962	B007859

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-29	<b>Client Sample Name:</b> B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.019</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDD</b>	<b>0.00038</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDE</b>	<b>0.00086</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.00029</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	113	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	94.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 06:30	03/16/18 17:24	HKS	GC-17	1.014	B007886

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-29		Client Sample Name: B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	66.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 15:19	HKS	GC-15	1	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-29	Client Sample Name:	B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0069	0.0013	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0069	0.0012	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0069	0.00087	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0069	0.0025	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0069	0.0014	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0069	0.0023	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0069	0.0014	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0069	0.0025	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0069	0.0012	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-29		Client Sample Name: B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0069	0.0023	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.014	0.0033	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0069	0.00069	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0069	0.0019	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0069	0.0029	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0069	0.0027	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0069	0.0011	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0069	0.0015	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0069	0.0018	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0069	0.0021	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0069	0.0022	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.014	0.0047	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0069	0.0030	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0069	0.0016	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-29	<b>Client Sample Name:</b> B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 06:05		BEP	MS-V3	1.374	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-29	<b>Client Sample Name:</b> B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 18:57	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-29	<b>Client Sample Name:</b> B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.8	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	14	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	114	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 07:50	RCC	GC-2	1.017	B007898

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

BCL Sample ID: 1808007-29		Client Sample Name: B10@2.5, 3/12/2018 11:26:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	38	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.16	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	0.12		1
Cobalt	4.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.6	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	3.6	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	0.15		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	29	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	24	mg/kg	2.5	0.087	EPA-6010B	0.24		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 10:30	03/19/18 14:54		JCC	PE-OP3	0.980	B007914
2	EPA-7471A	03/16/18 09:45	03/16/18 14:12		JP1	CETAC2	1.025	B007859

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-31) and Client Sample Name (B11@0.5, 3/12/2018 10:49:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows run 1 details.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-31	<b>Client Sample Name:</b> B11@0.5, 3/12/2018 10:49:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	40	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.16	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.062	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	4.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	7.0	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	3.9	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.11	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.053	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	24	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	20	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 12:47	JCC	PE-OP3	1	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:22	JP1	CETAC2	1.008	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-32	<b>Client Sample Name:</b> B11@2.5, 3/12/2018 10:53:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.0041</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
<b>4,4'-DDE</b>	<b>0.00053</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.00056</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND		1
Dieldrin	<b>0.00043</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	ND	J	1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	73.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	62.3	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 18:53	HKS	GC-17	1.014	B007888

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-32	<b>Client Sample Name:</b> B11@2.5, 3/12/2018 10:53:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.16	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	26	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	10	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	18	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	22	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.025	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	30	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	42	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	56	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:06		JCC	PE-OP3	1	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:33		JP1	CETAC2	0.977	B007862

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-34	<b>Client Sample Name:</b> B12@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000068	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.0010	0.00026	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.0010	0.00030	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.0010	0.000094	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00016	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.0074</b>	<b>mg/kg</b>	<b>0.10</b>	<b>0.0034</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDD</b>	<b>0.00045</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00042</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDE</b>	<b>0.00061</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000040</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDT</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00019</b>	<b>EPA-8081A</b>	ND		1
<b>Dieldrin</b>	<b>0.00061</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00016</b>	<b>EPA-8081A</b>	ND	J	1
Endosulfan I	ND	mg/kg	0.0010	0.000044	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.0010	0.00028	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00068	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.0010	0.00018	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.0010	0.00046	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.0010	0.000072	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.0010	0.000034	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.0010	0.00042	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.10	0.019	EPA-8081A	ND		1
TCMX (Surrogate)	43.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	48.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 19:08	HKS	GC-17	2.007	B007888

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-34	<b>Client Sample Name:</b> B12@0.5, 3/12/2018 11:20:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	36	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.14	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	3.2	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	5.4	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	2.4	mg/kg	2.5	0.28	EPA-6010B	ND	J	1
Mercury	0.051	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	19	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	15	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	
1	EPA-6010B	03/16/18 11:15	03/19/18 13:07		JCC	PE-OP3	0.980	B007917	
2	EPA-7471A	03/16/18 09:45	03/16/18 14:36		JP1	CETAC2	0.992	B007862	

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-35) and Client Sample Name (B12@2.5, 3/12/2018 11:23:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

BCL Sample ID: 1808007-35		Client Sample Name: B12@2.5, 3/12/2018 11:23:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	53	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.41	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.065	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	6.2	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	9.5	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.043	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.16	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	16	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	41	mg/kg	2.5	0.087	EPA-6010B	0.11		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:09		JCC	PE-OP3	0.943	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:38		JP1	CETAC2	0.962	B007862

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Ventura, CA 93003

Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-37) and Client Sample Name (B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-37		Client Sample Name: B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
<b>PCB-1254</b>	<b>0.030</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0030</b>	<b>EPA-8082</b>	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
<b>Total PCB's (Summation)</b>	<b>0.030</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	ND		1	
Decachlorobiphenyl (Surrogate)	51.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 15:30	HKS	GC-15	1.014	B007878

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-37	<b>Client Sample Name:</b> B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0059	0.0011	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0059	0.00099	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0059	0.00074	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0059	0.0012	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0059	0.0021	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.00096	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0010	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0059	0.00096	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-37							
Client Sample Name:	B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0059	0.0020	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.012	0.0028	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0059	0.00059	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0059	0.0017	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0025	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0024	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.00091	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0015	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0018	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0059	0.0019	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.012	0.0040	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0059	0.0026	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0059	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-37	<b>Client Sample Name:</b> B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 07:12	BEP	MS-V3	1.179	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-37	<b>Client Sample Name:</b> B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/15/18 19:18	TDH	GC-V8	1	B007729

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-37	<b>Client Sample Name:</b> B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	20	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	200	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	115	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18	12:46	RCC	GC-2	0.997	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-37	<b>Client Sample Name:</b> B13@0.5, 3/12/2018 11:05:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.0	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.13	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	32	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	9.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	20	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	10	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.066	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	37	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	41	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:10		JCC	PE-OP3	0.952	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:44		JP1	CETAC2	1.008	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-38	<b>Client Sample Name:</b> B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
<b>4,4'-DDE</b>	<b>0.0015</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.00031</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	35.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	41.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 20:52	HKS	GC-17	1.014	B007888

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-38		Client Sample Name: B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	33.3	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 12:00	03/17/18 15:40	HKS	GC-15	1.003	B007878

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-38	Client Sample Name:	B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0057	0.00097	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0057	0.00072	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0057	0.0021	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0057	0.0020	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0057	0.0011	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0057	0.0021	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0057	0.00093	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0057	0.00098	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0057	0.00093	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-38		Client Sample Name: B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0057	0.0020	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.011	0.0028	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0057	0.00057	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0057	0.0016	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0057	0.0024	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0057	0.0023	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0057	0.00089	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0057	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0057	0.0015	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0057	0.0017	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0057	0.0018	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.011	0.0039	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0057	0.0025	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0057	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-38	<b>Client Sample Name:</b> B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/13/18 23:38	03/15/18 07:35		BEP	MS-V3	1.149	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-38	<b>Client Sample Name:</b> B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 11:53	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-38	<b>Client Sample Name:</b> B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	7.8	mg/kg	10	1.2	EPA-8015CC	ND	J	1
TPH - Motor Oil (C28+)	11	mg/kg	20	6.5	EPA-8015CC	ND	J	1
Tetracosane (Surrogate)	114	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 18:00	03/19/18 08:13	RCC	GC-2	0.993	B007898

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-38	<b>Client Sample Name:</b> B13@2.5, 3/12/2018 11:09:00AM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	63	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.17	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.11	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	3.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	9.8	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.035	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	31	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:12	JCC	PE-OP3	0.952	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:46	JP1	CETAC2	1.025	B007862

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-40	<b>Client Sample Name:</b> B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000068	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0010	0.00026	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0010	0.00030	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0010	0.000094	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00016	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.10	0.0034	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0010	0.00042	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.00017</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000040</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.00025</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00019</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
<b>Dieldrin</b>	<b>0.00016</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.00016</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Endosulfan I	ND	mg/kg	0.0010	0.000044	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0010	0.00028	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00068	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0010	0.00018	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0010	0.00046	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0010	0.000072	EPA-8081A	ND	A10	1
<b>Heptachlor epoxide</b>	<b>0.00012</b>	<b>mg/kg</b>	<b>0.0010</b>	<b>0.000034</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
Methoxychlor	ND	mg/kg	0.0010	0.00042	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.10	0.019	EPA-8081A	ND	A10	1
TCMX (Surrogate)	43.8	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	35.0	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 21:07	HKS	GC-17	2.020	B007888

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-40		Client Sample Name: B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	35.0	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 08:15	03/15/18 16:25	HKS	GC-15	0.997	B007885

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-40	Client Sample Name:	B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.0063	0.0012	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.0063	0.0011	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.0063	0.00080	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.0063	0.0023	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.0063	0.0012	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0063	0.0021	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.0063	0.0013	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.0063	0.0023	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.0063	0.0010	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.0063	0.0011	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.0063	0.0010	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID: 1808007-40		Client Sample Name: B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0063	0.0021	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.013	0.0030	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0063	0.00063	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0063	0.0018	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0063	0.0027	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0063	0.0025	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0063	0.00097	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0063	0.0014	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0063	0.0016	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0063	0.0019	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0063	0.0020	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.013	0.0043	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0063	0.0028	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0063	0.0015	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-40	<b>Client Sample Name:</b> B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/16/18 08:38	03/16/18 12:40		BEP	MS-V3	1.263	B007510

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-40	<b>Client Sample Name:</b> B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 12:15	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-40	<b>Client Sample Name:</b> B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	17	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	88	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	110	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 10:00	03/16/18 00:04	RCC	GC-13	1.007	B007803

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-40	<b>Client Sample Name:</b> B14@0.5, 3/12/2018 12:25:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	53	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	5.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	6.3	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.063	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.12	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	16	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	31	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:13	JCC	PE-OP3	0.990	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:49	JP1	CETAC2	1.008	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-41	<b>Client Sample Name:</b> B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.0051</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDD</b>	<b>0.00043</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDE</b>	<b>0.0011</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.00039</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
<b>Heptachlor epoxide</b>	<b>0.00014</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000017</b>	<b>EPA-8081A</b>	ND	J	1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	65.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	60.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 21:21	HKS	GC-17	1.010	B007888

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-41		Client Sample Name: B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	31.7	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 08:15	03/15/18 16:46	HKS	GC-15	1.014	B007885

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-41	Client Sample Name:	B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
Benzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
Bromobenzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
Bromochloromethane	ND	mg/kg	0.010	0.0019	EPA-8260B	ND		1	
Bromodichloromethane	ND	mg/kg	0.010	0.0017	EPA-8260B	ND		1	
Bromoform	ND	mg/kg	0.010	0.0030	EPA-8260B	ND		1	
Bromomethane	ND	mg/kg	0.010	0.0033	EPA-8260B	ND		1	
n-Butylbenzene	ND	mg/kg	0.010	0.0030	EPA-8260B	ND		1	
sec-Butylbenzene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	
tert-Butylbenzene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	
Carbon tetrachloride	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1	
Chlorobenzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
Chloroethane	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
Chloroform	ND	mg/kg	0.010	0.0013	EPA-8260B	ND		1	
Chloromethane	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
2-Chlorotoluene	ND	mg/kg	0.010	0.0037	EPA-8260B	ND		1	
4-Chlorotoluene	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
Dibromochloromethane	ND	mg/kg	0.010	0.0020	EPA-8260B	ND		1	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.010	0.0035	EPA-8260B	ND		1	
1,2-Dibromoethane	ND	mg/kg	0.010	0.0020	EPA-8260B	ND		1	
Dibromomethane	ND	mg/kg	0.010	0.0037	EPA-8260B	ND		1	
1,2-Dichlorobenzene	ND	mg/kg	0.010	0.0016	EPA-8260B	ND		1	
1,3-Dichlorobenzene	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
1,4-Dichlorobenzene	ND	mg/kg	0.010	0.0030	EPA-8260B	ND		1	
Dichlorodifluoromethane	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
1,1-Dichloroethane	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
1,2-Dichloroethane	ND	mg/kg	0.010	0.0017	EPA-8260B	ND		1	
1,1-Dichloroethene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	
cis-1,2-Dichloroethene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
trans-1,2-Dichloroethene	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1	
1,2-Dichloropropane	ND	mg/kg	0.010	0.0016	EPA-8260B	ND		1	
1,3-Dichloropropane	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1	
2,2-Dichloropropane	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1	
1,1-Dichloropropene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-41							
Client Sample Name:	B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.010	0.0030	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.010	0.0035	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.020	0.0049	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.010	0.0010	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.010	0.0028	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.010	0.0043	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.010	0.0041	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.010	0.0016	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.010	0.0022	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.010	0.0033	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.010	0.0026	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.010	0.0030	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.010	0.0033	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.020	0.0069	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.010	0.0045	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-41	<b>Client Sample Name:</b> B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/16/18 08:38	03/16/18 13:03		BEP	MS-V3	2.033	B007510

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-41	<b>Client Sample Name:</b> B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 12:36	TDH	GC-V8	1	B007729

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-41	<b>Client Sample Name:</b> B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	ND	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	ND	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	87.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 10:00	03/18/18 11:57	RCC	GC-13	0.997	B007803

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-41	<b>Client Sample Name:</b> B14@2.5, 3/12/2018 12:30:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	36	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.16	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	4.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.4	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	3.5	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.029	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	18	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:15	JCC	PE-OP3	0.980	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:51	JP1	CETAC2	0.962	B007862

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-43) and Client Sample Name (B15@0.5, 3/12/2018 12:41:00PM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-43	<b>Client Sample Name:</b> B15@0.5, 3/12/2018 12:41:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.40	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.18	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	29	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	8.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	24	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	16	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.095	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.068	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	30	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	46	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	51	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:16	JCC	PE-OP3	0.980	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:53	JP1	CETAC2	0.962	B007862

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Ventura, CA 93003

Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-44) and Client Sample Name (B15@2.5, 3/12/2018 12:44:00PM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows run 1 details.

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

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-44	<b>Client Sample Name:</b> B15@2.5, 3/12/2018 12:44:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	38	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.15	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.061	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	4.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.3	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	3.3	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.022	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	24	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	18	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:26	JCC	PE-OP3	0.990	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 14:55	JP1	CETAC2	0.992	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-46	<b>Client Sample Name:</b> B16@0.5, 3/12/2018 12:52:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.0064</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
<b>4,4'-DDE</b>	<b>0.000096</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDT</b>	<b>0.00016</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
<b>Dieldrin</b>	<b>0.00014</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	ND	J	1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	73.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 22:06	HKS	GC-17	1.003	B007888

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-46	<b>Client Sample Name:</b> B16@0.5, 3/12/2018 12:52:00PM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	51	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	5.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	6.1	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.050	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	17	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	30	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18	13:28	JCC	PE-OP3	0.990	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18	14:57	JP1	CETAC2	0.962	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-47	<b>Client Sample Name:</b> B16@2.5, 3/12/2018 12:56:00PM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	61.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	48.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 22:21	HKS	GC-17	0.993	B007888

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-47	<b>Client Sample Name:</b> B16@2.5, 3/12/2018 12:56:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	34	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.15	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.18		1
Cobalt	4.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.1	mg/kg	1.0	0.050	EPA-6010B	0.057		1
Lead	3.5	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.031	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	15	mg/kg	2.5	0.087	EPA-6010B	0.11		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:29	JCC	PE-OP3	0.935	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 15:00	JP1	CETAC2	0.992	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00034	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0013	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0015	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00047	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.00082	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.017	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
<b>4,4'-DDE</b>	<b>0.00070</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND	<b>J,A10</b>	1
4,4'-DDT	ND	mg/kg	0.0050	0.00093	EPA-8081A	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00079	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00022	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.0014	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0034	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00091	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.0023	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.00036	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.00017	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0021	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.094	EPA-8081A	ND	A10	1
TCMX (Surrogate)	50.9	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	64.4	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/16/18 22:35	HKS	GC-17	10.067	B007888

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-49		Client Sample Name: B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	66.7	%	40 - 120 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 08:15	03/15/18 17:08	HKS	GC-15	1	B007885

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0038	0.00069	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0038	0.00063	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0038	0.00047	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0038	0.00074	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00075	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00061	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00064	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00061	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-49	Client Sample Name:	B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.0075	0.0018	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00058	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00083	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.00098	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.0075	0.0026	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	119	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	98.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	98.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/16/18 08:38	03/16/18 18:29		BEP	MS-V3	0.752	B007510

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 12:58	TDH	GC-V8	1	B007729

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	220	mg/kg	200	24	EPA-8015CC	ND	A01	1
TPH - Motor Oil (C28+)	ND	mg/kg	400	130	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	75.1	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 10:00	03/19/18 11:22	RCC	GC-13	20.339	B007803

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-49	<b>Client Sample Name:</b> B17@0.5, 3/12/2018 12:53:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	4.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	59	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.079	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	26	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	8.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	17	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	29	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.15	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	47	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	44	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:31	JCC	PE-OP3	0.980	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 15:02	JP1	CETAC2	1.008	B007862

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1808007-50) and Client Sample Name (B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Qualls, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

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

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1808007-50		Client Sample Name: B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0044	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0059	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0037	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0030	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0056	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	41.7	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	03/15/18 08:15	03/15/18 16:36	HKS	GC-15	1.014	B007885

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-50	Client Sample Name:	B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

BCL Sample ID:	1808007-50	Client Sample Name:	B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1	
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1	
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1	
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1	
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1	
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1	
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1	
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1	
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1	
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1	
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1	
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

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

<b>BCL Sample ID:</b> 1808007-50	<b>Client Sample Name:</b> B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	03/14/18 14:32	03/16/18 18:51		BEP	MS-V3	0.962	B007647

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-50	<b>Client Sample Name:</b> B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.41	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/15/18 09:45	03/16/18 13:19	TDH	GC-V8	1	B007729

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1808007-50	<b>Client Sample Name:</b> B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (C10 - C28)	ND	mg/kg	10	1.2	EPA-8015CC	ND		1
TPH - Motor Oil (C28+)	ND	mg/kg	20	6.5	EPA-8015CC	ND		1
Tetracosane (Surrogate)	95.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	03/15/18 10:00	03/18/18 11:13	RCC	GC-13	0.997	B007803

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1808007-50	<b>Client Sample Name:</b> B17@2.5, 3/12/2018 12:58:00PM, Alex Cruz
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	36	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.15	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	0.19		1
Cobalt	3.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.1	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	2.6	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.044	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	0.061	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	16	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:33	JCC	PE-OP3	0.971	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 15:04	JP1	CETAC2	1.008	B007862

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

**BCL Sample ID:** 1808007-52      **Client Sample Name:** B18@0.5, 3/12/2018 1:06:00PM, Alex Cruz

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
<b>alpha-BHC</b>	<b>0.00095</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00013</b>	<b>EPA-8081A</b>	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.019</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDD</b>	<b>0.00084</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDE</b>	<b>0.00094</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.00038</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND	J	1
<b>Dieldrin</b>	<b>0.00029</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	ND	J	1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	37.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	37.5	%	40 - 130 (LCL - UCL)		EPA-8081A		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/17/18 11:44	HKS	GC-17	1.017	B007888

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1808007-52	<b>Client Sample Name:</b> B18@0.5, 3/12/2018 1:06:00PM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	2.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	53	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.19	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.070	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	5.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	22	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	6.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.23	mg/kg	0.16	0.019	EPA-7471A	ND		2
Molybdenum	0.13	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	16	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	33	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:34	JCC	PE-OP3	1	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 15:10	JP1	CETAC2	0.962	B007862

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1808007-53	<b>Client Sample Name:</b> B18@2.5, 3/12/2018 1:11:00PM, Alex Cruz
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A	ND		1
<b>beta-BHC</b>	<b>0.00044</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00015</b>	<b>EPA-8081A</b>	ND	J	1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	ND		1
<b>Chlordane (Technical)</b>	<b>0.023</b>	<b>mg/kg</b>	<b>0.050</b>	<b>0.0017</b>	<b>EPA-8081A</b>	ND	J	1
<b>4,4'-DDD</b>	<b>0.00093</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDE</b>	<b>0.0042</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	ND		1
<b>4,4'-DDT</b>	<b>0.0023</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	ND		1
Dieldrin	<b>0.0024</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	ND		1
TCMX (Surrogate)	50.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	03/15/18 07:30	03/17/18 11:59	HKS	GC-17	1.014	B007888

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

BCL Sample ID: 1808007-53		Client Sample Name: B18@2.5, 3/12/2018 1:11:00PM, Alex Cruz						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	3.7	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	63	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.083	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	0.20		1
Cobalt	6.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	7.0	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.047	mg/kg	0.16	0.019	EPA-7471A	ND	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	28	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	31	mg/kg	2.5	0.087	EPA-6010B	0.12		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	03/16/18 11:15	03/19/18 13:35		JCC	PE-OP3	0.990	B007917
2	EPA-7471A	03/16/18 09:45	03/16/18 15:13		JP1	CETAC2	1.008	B007862

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007886</b>						
Aldrin	B007886-BLK1	ND	mg/kg	0.00050	0.000034	
alpha-BHC	B007886-BLK1	ND	mg/kg	0.00050	0.00013	
beta-BHC	B007886-BLK1	ND	mg/kg	0.00050	0.00015	
delta-BHC	B007886-BLK1	ND	mg/kg	0.00050	0.000047	
gamma-BHC (Lindane)	B007886-BLK1	ND	mg/kg	0.00050	0.000082	
Chlordane (Technical)	B007886-BLK1	ND	mg/kg	0.050	0.0017	
4,4'-DDD	B007886-BLK1	ND	mg/kg	0.00050	0.00021	
4,4'-DDE	B007886-BLK1	ND	mg/kg	0.00050	0.000020	
4,4'-DDT	B007886-BLK1	ND	mg/kg	0.00050	0.000093	
Dieldrin	B007886-BLK1	ND	mg/kg	0.00050	0.000079	
Endosulfan I	B007886-BLK1	ND	mg/kg	0.00050	0.000022	
Endosulfan II	B007886-BLK1	ND	mg/kg	0.00050	0.00014	
Endosulfan sulfate	B007886-BLK1	ND	mg/kg	0.00050	0.00034	
Endrin	B007886-BLK1	ND	mg/kg	0.00050	0.000091	
Endrin aldehyde	B007886-BLK1	ND	mg/kg	0.00050	0.00023	
Heptachlor	B007886-BLK1	ND	mg/kg	0.00050	0.000036	
Heptachlor epoxide	B007886-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B007886-BLK1	ND	mg/kg	0.00050	0.00021	
Toxaphene	B007886-BLK1	ND	mg/kg	0.050	0.0094	
<b>TCMX (Surrogate)</b>	<b>B007886-BLK1</b>	<b>112</b>	<b>%</b>	<b>20 - 130 (LCL - UCL)</b>		
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B007886-BLK1</b>	<b>110</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		

<b>QC Batch ID: B007888</b>						
Aldrin	B007888-BLK1	ND	mg/kg	0.00050	0.000034	
alpha-BHC	B007888-BLK1	ND	mg/kg	0.00050	0.00013	
beta-BHC	B007888-BLK1	ND	mg/kg	0.00050	0.00015	
delta-BHC	B007888-BLK1	ND	mg/kg	0.00050	0.000047	
gamma-BHC (Lindane)	B007888-BLK1	ND	mg/kg	0.00050	0.000082	
Chlordane (Technical)	B007888-BLK1	ND	mg/kg	0.050	0.0017	
4,4'-DDD	B007888-BLK1	ND	mg/kg	0.00050	0.00021	
4,4'-DDE	B007888-BLK1	ND	mg/kg	0.00050	0.000020	
4,4'-DDT	B007888-BLK1	ND	mg/kg	0.00050	0.000093	
Dieldrin	B007888-BLK1	ND	mg/kg	0.00050	0.000079	
Endosulfan I	B007888-BLK1	ND	mg/kg	0.00050	0.000022	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007888</b>						
Endosulfan II	B007888-BLK1	ND	mg/kg	0.00050	0.00014	
Endosulfan sulfate	B007888-BLK1	ND	mg/kg	0.00050	0.00034	
Endrin	B007888-BLK1	ND	mg/kg	0.00050	0.000091	
Endrin aldehyde	B007888-BLK1	ND	mg/kg	0.00050	0.00023	
Heptachlor	B007888-BLK1	ND	mg/kg	0.00050	0.000036	
Heptachlor epoxide	B007888-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B007888-BLK1	ND	mg/kg	0.00050	0.00021	
Toxaphene	B007888-BLK1	ND	mg/kg	0.050	0.0094	
<b>TCMX (Surrogate)</b>	<b>B007888-BLK1</b>	<b>101</b>	<b>%</b>	<b>20 - 130 (LCL - UCL)</b>		
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B007888-BLK1</b>	<b>86.5</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B007886</b>										
Aldrin	B007886-BS1	LCS	0.0048187	0.0050000	mg/kg	96.4		70 - 130		
gamma-BHC (Lindane)	B007886-BS1	LCS	0.0048687	0.0050000	mg/kg	97.4		60 - 140		
4,4'-DDT	B007886-BS1	LCS	0.0044923	0.0050000	mg/kg	89.8		60 - 140		
Dieldrin	B007886-BS1	LCS	0.0045317	0.0050000	mg/kg	90.6		70 - 130		
Endrin	B007886-BS1	LCS	0.0040413	0.0050000	mg/kg	80.8		60 - 140		
Heptachlor	B007886-BS1	LCS	0.0050057	0.0050000	mg/kg	100		60 - 140		
TCMX (Surrogate)	B007886-BS1	LCS	0.010517	0.010000	mg/kg	105		20 - 130		
Decachlorobiphenyl (Surrogate)	B007886-BS1	LCS	0.017714	0.020000	mg/kg	88.6		40 - 130		
<b>QC Batch ID: B007888</b>										
Aldrin	B007888-BS1	LCS	0.0050315	0.0049180	mg/kg	102		70 - 130		
gamma-BHC (Lindane)	B007888-BS1	LCS	0.0051161	0.0049180	mg/kg	104		60 - 140		
4,4'-DDT	B007888-BS1	LCS	0.0047793	0.0049180	mg/kg	97.2		60 - 140		
Dieldrin	B007888-BS1	LCS	0.0046630	0.0049180	mg/kg	94.8		70 - 130		
Endrin	B007888-BS1	LCS	0.0042449	0.0049180	mg/kg	86.3		60 - 140		
Heptachlor	B007888-BS1	LCS	0.0052082	0.0049180	mg/kg	106		60 - 140		
TCMX (Surrogate)	B007888-BS1	LCS	0.010784	0.0098361	mg/kg	110		20 - 130		
Decachlorobiphenyl (Surrogate)	B007888-BS1	LCS	0.017624	0.019672	mg/kg	89.6		40 - 130		

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes QC Batch ID: B007886 and Used client sample: Y - Description: B7@2.5, 03/12/2018 10:25.

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes QC Batch ID: B007888 and Used client sample: Y - Description: B15@2.5, 03/12/2018 12:44.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007878</b>						
PCB-1016	B007878-BLK1	ND	mg/kg	0.010	0.0026	
PCB-1221	B007878-BLK1	ND	mg/kg	0.010	0.0024	
PCB-1232	B007878-BLK1	ND	mg/kg	0.010	0.0044	
PCB-1242	B007878-BLK1	ND	mg/kg	0.010	0.0059	
PCB-1248	B007878-BLK1	ND	mg/kg	0.010	0.0037	
PCB-1254	B007878-BLK1	ND	mg/kg	0.010	0.0030	
PCB-1260	B007878-BLK1	ND	mg/kg	0.010	0.0056	
Total PCB's (Summation)	B007878-BLK1	ND	mg/kg	0.010	0.0050	
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B007878-BLK1</b>	<b>88.3</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		
<b>QC Batch ID: B007885</b>						
PCB-1016	B007885-BLK1	ND	mg/kg	0.010	0.0026	
PCB-1221	B007885-BLK1	ND	mg/kg	0.010	0.0024	
PCB-1232	B007885-BLK1	ND	mg/kg	0.010	0.0044	
PCB-1242	B007885-BLK1	ND	mg/kg	0.010	0.0059	
PCB-1248	B007885-BLK1	ND	mg/kg	0.010	0.0037	
PCB-1254	B007885-BLK1	ND	mg/kg	0.010	0.0030	
PCB-1260	B007885-BLK1	ND	mg/kg	0.010	0.0056	
Total PCB's (Summation)	B007885-BLK1	ND	mg/kg	0.010	0.0050	
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B007885-BLK1</b>	<b>60.0</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B007878</b>											
PCB-1016	B007878-BS1	LCS	0.088926	0.083893	mg/kg	106		60	120		
PCB-1260	B007878-BS1	LCS	0.090940	0.083893	mg/kg	108		60	120		
Decachlorobiphenyl (Surrogate)	B007878-BS1	LCS	0.019128	0.020134	mg/kg	95.0		40	120		
<b>QC Batch ID: B007885</b>											
PCB-1016	B007885-BS1	LCS	0.053716	0.084459	mg/kg	63.6		60	120		
PCB-1260	B007885-BS1	LCS	0.056081	0.084459	mg/kg	66.4		60	120		
Decachlorobiphenyl (Surrogate)	B007885-BS1	LCS	0.012838	0.020270	mg/kg	63.3		40	120		

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab
								RPD	Percent	
<b>QC Batch ID: B007878</b>		Used client sample: Y - Description: B6@0.5, 03/12/2018 10:16								
PCB-1016	MS	1808007-16	ND	0.12919	0.083893	mg/kg		154		Q03
	MSD	1808007-16	ND	0.12905	0.084459	mg/kg	0.1	153	30	Q03
PCB-1260	MS	1808007-16	ND	0.082215	0.083893	mg/kg		98.0		
	MSD	1808007-16	ND	0.080405	0.084459	mg/kg	2.2	95.2	30	
Decachlorobiphenyl (Surrogate)	MS	1808007-16	ND	0.015436	0.020134	mg/kg		76.7		
	MSD	1808007-16	ND	0.014527	0.020270	mg/kg	6.1	71.7		
<b>QC Batch ID: B007885</b>		Used client sample: Y - Description: B14@2.5, 03/12/2018 12:30								
PCB-1016	MS	1808007-41	ND	0.070169	0.084746	mg/kg		82.8		
	MSD	1808007-41	ND	0.068687	0.084175	mg/kg	2.1	81.6	30	
PCB-1260	MS	1808007-41	ND	0.066441	0.084746	mg/kg		78.4		
	MSD	1808007-41	ND	0.063300	0.084175	mg/kg	4.8	75.2	30	
Decachlorobiphenyl (Surrogate)	MS	1808007-41	ND	0.014576	0.020339	mg/kg		71.7		
	MSD	1808007-41	ND	0.013468	0.020202	mg/kg	7.9	66.7		

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007434</b>						
Benzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	B007434-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	B007434-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	B007434-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	B007434-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	B007434-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	B007434-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	B007434-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	B007434-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	B007434-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	B007434-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	B007434-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	B007434-BLK1	ND	mg/kg	0.0050	0.0011	

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007434</b>						
trans-1,3-Dichloropropene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	B007434-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	B007434-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	B007434-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	B007434-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2-Tetrachloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	B007434-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	B007434-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	B007434-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	B007434-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	B007434-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	B007434-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B007434-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	B007434-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>B007434-BLK1</b>	<b>103</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>B007434-BLK1</b>	<b>109</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>B007434-BLK1</b>	<b>99.1</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		
<b>QC Batch ID: B007510</b>						
Benzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007510</b>						
Bromobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	B007510-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	B007510-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	B007510-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	B007510-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	B007510-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	B007510-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	B007510-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	B007510-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	B007510-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	B007510-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	B007510-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007510</b>						
Ethylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	B007510-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	B007510-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	B007510-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	B007510-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	B007510-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	B007510-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	B007510-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	B007510-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	B007510-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	B007510-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B007510-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	B007510-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>B007510-BLK1</b>	<b>102</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>B007510-BLK1</b>	<b>100</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>B007510-BLK1</b>	<b>95.1</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		
<b>QC Batch ID: B007647</b>						
Benzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007647</b>						
Bromochloromethane	B007647-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	B007647-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	B007647-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	B007647-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	B007647-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	B007647-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	B007647-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	B007647-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	B007647-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	B007647-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	B007647-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0015	

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Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007647</b>						
Hexachlorobutadiene	B007647-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	B007647-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	B007647-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	B007647-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2,2-Tetrachloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	B007647-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	B007647-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	B007647-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	B007647-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	B007647-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	B007647-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B007647-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	B007647-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>B007647-BLK1</b>	<b>102</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>B007647-BLK1</b>	<b>100</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>B007647-BLK1</b>	<b>100</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B007434</b>										
Benzene	B007434-BS1	LCS	0.11725	0.12500	mg/kg	93.8		70 - 130		
Bromodichloromethane	B007434-BS1	LCS	0.11719	0.12500	mg/kg	93.8		70 - 130		
Chlorobenzene	B007434-BS1	LCS	0.11906	0.12500	mg/kg	95.2		70 - 130		
Chloroethane	B007434-BS1	LCS	0.11004	0.12500	mg/kg	88.0		70 - 130		
1,4-Dichlorobenzene	B007434-BS1	LCS	0.12087	0.12500	mg/kg	96.7		70 - 130		
1,1-Dichloroethane	B007434-BS1	LCS	0.11568	0.12500	mg/kg	92.5		70 - 130		
1,1-Dichloroethene	B007434-BS1	LCS	0.10980	0.12500	mg/kg	87.8		70 - 130		
Toluene	B007434-BS1	LCS	0.11626	0.12500	mg/kg	93.0		70 - 130		
Trichloroethene	B007434-BS1	LCS	0.11182	0.12500	mg/kg	89.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B007434-BS1	LCS	0.050600	0.050000	mg/kg	101		70 - 121		
Toluene-d8 (Surrogate)	B007434-BS1	LCS	0.050410	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	B007434-BS1	LCS	0.049960	0.050000	mg/kg	99.9		74 - 121		
<b>QC Batch ID: B007510</b>										
Benzene	B007510-BS1	LCS	0.10576	0.12500	mg/kg	84.6		70 - 130		
Bromodichloromethane	B007510-BS1	LCS	0.10514	0.12500	mg/kg	84.1		70 - 130		
Chlorobenzene	B007510-BS1	LCS	0.11033	0.12500	mg/kg	88.3		70 - 130		
Chloroethane	B007510-BS1	LCS	0.10179	0.12500	mg/kg	81.4		70 - 130		
1,4-Dichlorobenzene	B007510-BS1	LCS	0.11389	0.12500	mg/kg	91.1		70 - 130		
1,1-Dichloroethane	B007510-BS1	LCS	0.10801	0.12500	mg/kg	86.4		70 - 130		
1,1-Dichloroethene	B007510-BS1	LCS	0.10715	0.12500	mg/kg	85.7		70 - 130		
Toluene	B007510-BS1	LCS	0.10676	0.12500	mg/kg	85.4		70 - 130		
Trichloroethene	B007510-BS1	LCS	0.10794	0.12500	mg/kg	86.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B007510-BS1	LCS	0.047890	0.050000	mg/kg	95.8		70 - 121		
Toluene-d8 (Surrogate)	B007510-BS1	LCS	0.050390	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	B007510-BS1	LCS	0.049730	0.050000	mg/kg	99.5		74 - 121		
<b>QC Batch ID: B007647</b>										
Benzene	B007647-BS1	LCS	0.11512	0.12500	mg/kg	92.1		70 - 130		
Bromodichloromethane	B007647-BS1	LCS	0.11018	0.12500	mg/kg	88.1		70 - 130		
Chlorobenzene	B007647-BS1	LCS	0.11400	0.12500	mg/kg	91.2		70 - 130		
Chloroethane	B007647-BS1	LCS	0.099910	0.12500	mg/kg	79.9		70 - 130		
1,4-Dichlorobenzene	B007647-BS1	LCS	0.11195	0.12500	mg/kg	89.6		70 - 130		
1,1-Dichloroethane	B007647-BS1	LCS	0.11328	0.12500	mg/kg	90.6		70 - 130		
1,1-Dichloroethene	B007647-BS1	LCS	0.11321	0.12500	mg/kg	90.6		70 - 130		

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

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

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B007647</b>											
Toluene	B007647-BS1	LCS	0.11561	0.12500	mg/kg	92.5		70	130		
Trichloroethene	B007647-BS1	LCS	0.11466	0.12500	mg/kg	91.7		70	130		
1,2-Dichloroethane-d4 (Surrogate)	B007647-BS1	LCS	0.049300	0.050000	mg/kg	98.6		70	121		
Toluene-d8 (Surrogate)	B007647-BS1	LCS	0.049310	0.050000	mg/kg	98.6		81	117		
4-Bromofluorobenzene (Surrogate)	B007647-BS1	LCS	0.047330	0.050000	mg/kg	94.7		74	121		

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two sections for QC Batch IDs B007434 and B007510.

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes two QC Batch sections: B007510 and B007647.

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007618</b>						
Gasoline Range Organics (C4 - C12)	B007618-BLK1	ND	mg/kg	1.0	0.41	
a,a,a-Trifluorotoluene (FID Surrogate)	<b>B007618-BLK1</b>	<b>118</b>	%	<b>70 - 130 (LCL - UCL)</b>		
<b>QC Batch ID: B007729</b>						
Gasoline Range Organics (C4 - C12)	B007729-BLK1	ND	mg/kg	1.0	0.41	
a,a,a-Trifluorotoluene (FID Surrogate)	<b>B007729-BLK1</b>	<b>105</b>	%	<b>70 - 130 (LCL - UCL)</b>		

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B007618</b>										
Gasoline Range Organics (C4 - C12)	B007618-BS1	LCS	5.0630	5.0000	mg/kg	101		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	B007618-BS1	LCS	0.035000	0.040000	mg/kg	87.5		70 - 130		
<b>QC Batch ID: B007729</b>										
Gasoline Range Organics (C4 - C12)	B007729-BS1	LCS	4.7050	5.0000	mg/kg	94.1		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	B007729-BS1	LCS	0.034000	0.040000	mg/kg	85.0		70 - 130		

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Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: B007618</b>		Used client sample: N								
Gasoline Range Organics (C4 - C12)	MS	1807882-20	ND	5.6400	5.0000	mg/kg		113		70 - 130
	MSD	1807882-20	ND	5.6180	5.0000	mg/kg	0.4	112	20	70 - 130
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1807882-20	ND	0.041000	0.040000	mg/kg		102		70 - 130
	MSD	1807882-20	ND	0.041000	0.040000	mg/kg	0	102		70 - 130
<b>QC Batch ID: B007729</b>		Used client sample: N								
Gasoline Range Organics (C4 - C12)	MS	1807882-19	ND	5.7360	5.0000	mg/kg		115		70 - 130
	MSD	1807882-19	ND	5.3070	5.0000	mg/kg	7.8	106	20	70 - 130
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1807882-19	ND	0.042000	0.040000	mg/kg		105		70 - 130
	MSD	1807882-19	ND	0.039000	0.040000	mg/kg	7.4	97.5		70 - 130

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007803</b>						
TPH - Diesel (C10 - C28)	B007803-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil (C28+)	B007803-BLK1	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B007803-BLK1</b>	<b>115</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		
<b>QC Batch ID: B007898</b>						
TPH - Diesel (C10 - C28)	B007898-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil (C28+)	B007898-BLK1	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B007898-BLK1</b>	<b>84.8</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Petroleum Hydrocarbons

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B007803</b>										
TPH - Diesel (C10 - C28)	B007803-BS1	LCS	84.756	84.746	mg/kg	100		58 - 120		
Tetracosane (Surrogate)	B007803-BS1	LCS	3.7781	3.3898	mg/kg	111		20 - 145		
<b>QC Batch ID: B007898</b>										
TPH - Diesel (C10 - C28)	B007898-BS1	LCS	79.029	83.612	mg/kg	94.5		58 - 120		
Tetracosane (Surrogate)	B007898-BS1	LCS	3.6171	3.3445	mg/kg	108		20 - 145		

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: B007803</b>		Used client sample: Y - Description: B14@0.5, 03/12/2018 12:25									
TPH - Diesel (C10 - C28)	MS	1808007-40	16.908	80.994	83.612	mg/kg		76.6		49 - 120	
	MSD	1808007-40	16.908	73.384	84.746	mg/kg	9.9	66.6	30	49 - 120	
Tetracosane (Surrogate)	MS	1808007-40	ND	3.3201	3.3445	mg/kg		99.3		20 - 145	
	MSD	1808007-40	ND	3.0792	3.3898	mg/kg	7.5	90.8		20 - 145	
<b>QC Batch ID: B007898</b>		Used client sample: Y - Description: B13@2.5, 03/12/2018 11:09									
TPH - Diesel (C10 - C28)	MS	1808007-38	7.7901	67.022	83.612	mg/kg		70.8		49 - 120	
	MSD	1808007-38	7.7901	79.586	84.459	mg/kg	17.1	85.0	30	49 - 120	
Tetracosane (Surrogate)	MS	1808007-38	ND	3.2455	3.3445	mg/kg		97.0		20 - 145	
	MSD	1808007-38	ND	3.9569	3.3784	mg/kg	19.8	117		20 - 145	

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Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007859</b>						
Mercury	B007859-BLK1	ND	mg/kg	0.16	0.019	
<b>QC Batch ID: B007862</b>						
Mercury	B007862-BLK1	ND	mg/kg	0.16	0.019	
<b>QC Batch ID: B007914</b>						
Antimony	B007914-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	B007914-BLK1	ND	mg/kg	1.0	0.40	
Barium	B007914-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	B007914-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	B007914-BLK1	ND	mg/kg	0.50	0.052	
<b>Chromium</b>	<b>B007914-BLK1</b>	<b>0.12708</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.050</b>	<b>J</b>
Cobalt	B007914-BLK1	ND	mg/kg	2.5	0.098	
Copper	B007914-BLK1	ND	mg/kg	1.0	0.050	
Lead	B007914-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	B007914-BLK1	ND	mg/kg	2.5	0.050	
<b>Nickel</b>	<b>B007914-BLK1</b>	<b>0.15556</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.15</b>	<b>J</b>
Selenium	B007914-BLK1	ND	mg/kg	1.0	0.98	
Silver	B007914-BLK1	ND	mg/kg	0.50	0.067	
Thallium	B007914-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	B007914-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B007914-BLK1</b>	<b>0.24646</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>
<b>QC Batch ID: B007917</b>						
Antimony	B007917-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	B007917-BLK1	ND	mg/kg	1.0	0.40	
Barium	B007917-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	B007917-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	B007917-BLK1	ND	mg/kg	0.50	0.052	
<b>Chromium</b>	<b>B007917-BLK1</b>	<b>0.19702</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.050</b>	<b>J</b>
Cobalt	B007917-BLK1	ND	mg/kg	2.5	0.098	
<b>Copper</b>	<b>B007917-BLK1</b>	<b>0.061242</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>J</b>
Lead	B007917-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	B007917-BLK1	ND	mg/kg	2.5	0.050	
Nickel	B007917-BLK1	ND	mg/kg	0.50	0.15	
Selenium	B007917-BLK1	ND	mg/kg	1.0	0.98	

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**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTL)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B007917</b>						
Silver	B007917-BLK1	ND	mg/kg	0.50	0.067	
Thallium	B007917-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	B007917-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B007917-BLK1</b>	<b>0.12145</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>

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## Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B007859</b>										
Mercury	B007859-BS1	LCS	0.82496	0.80000	mg/kg	103		80	120	
<b>QC Batch ID: B007862</b>										
Mercury	B007862-BS1	LCS	0.77088	0.80000	mg/kg	96.4		80	120	
<b>QC Batch ID: B007914</b>										
Antimony	B007914-BS1	LCS	104.72	100.00	mg/kg	105		75	125	
Arsenic	B007914-BS1	LCS	9.0722	10.000	mg/kg	90.7		75	125	
Barium	B007914-BS1	LCS	111.28	100.00	mg/kg	111		75	125	
Beryllium	B007914-BS1	LCS	10.092	10.000	mg/kg	101		75	125	
Cadmium	B007914-BS1	LCS	9.9697	10.000	mg/kg	99.7		75	125	
Chromium	B007914-BS1	LCS	104.58	100.00	mg/kg	105		75	125	
Cobalt	B007914-BS1	LCS	105.51	100.00	mg/kg	106		75	125	
Copper	B007914-BS1	LCS	98.924	100.00	mg/kg	98.9		75	125	
Lead	B007914-BS1	LCS	101.10	100.00	mg/kg	101		75	125	
Molybdenum	B007914-BS1	LCS	103.70	100.00	mg/kg	104		75	125	
Nickel	B007914-BS1	LCS	107.86	100.00	mg/kg	108		75	125	
Selenium	B007914-BS1	LCS	9.3911	10.000	mg/kg	93.9		75	125	
Silver	B007914-BS1	LCS	9.3711	10.000	mg/kg	93.7		75	125	
Thallium	B007914-BS1	LCS	118.70	100.00	mg/kg	119		75	125	
Vanadium	B007914-BS1	LCS	102.58	100.00	mg/kg	103		75	125	
Zinc	B007914-BS1	LCS	100.74	100.00	mg/kg	101		75	125	
<b>QC Batch ID: B007917</b>										
Antimony	B007917-BS1	LCS	103.63	100.00	mg/kg	104		75	125	
Arsenic	B007917-BS1	LCS	8.9792	10.000	mg/kg	89.8		75	125	
Barium	B007917-BS1	LCS	112.00	100.00	mg/kg	112		75	125	
Beryllium	B007917-BS1	LCS	10.226	10.000	mg/kg	102		75	125	
Cadmium	B007917-BS1	LCS	9.7195	10.000	mg/kg	97.2		75	125	
Chromium	B007917-BS1	LCS	103.74	100.00	mg/kg	104		75	125	
Cobalt	B007917-BS1	LCS	105.66	100.00	mg/kg	106		75	125	
Copper	B007917-BS1	LCS	101.11	100.00	mg/kg	101		75	125	
Lead	B007917-BS1	LCS	98.344	100.00	mg/kg	98.3		75	125	
Molybdenum	B007917-BS1	LCS	103.32	100.00	mg/kg	103		75	125	
Nickel	B007917-BS1	LCS	106.72	100.00	mg/kg	107		75	125	
Selenium	B007917-BS1	LCS	9.1379	10.000	mg/kg	91.4		75	125	

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 03/21/2018 11:56  
**Project:** AMCAL  
**Project Number:** 17-05135  
**Project Manager:** Alex Cruz

### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B007917</b>											
Silver	B007917-BS1	LCS	9.2876	10.000	mg/kg	92.9		75	125		
Thallium	B007917-BS1	LCS	116.89	100.00	mg/kg	117		75	125		
Vanadium	B007917-BS1	LCS	103.64	100.00	mg/kg	104		75	125		
Zinc	B007917-BS1	LCS	99.769	100.00	mg/kg	99.8		75	125		

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Reported: 03/21/2018 11:56
Project: AMCAL
Project Number: 17-05135
Project Manager: Alex Cruz

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch IDs B007859, B007862, and B007914.

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### Total Concentrations (TTLC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B007914</b>		Used client sample: Y - Description: B1@0.5, 03/12/2018 08:48								
Nickel	DUP	1808007-01	20.774	20.995		mg/kg	1.1		20	
	MS	1808007-01	20.774	114.16	100.00	mg/kg		93.4		75 - 125
	MSD	1808007-01	20.774	112.76	100.00	mg/kg	1.2	92.0	20	75 - 125
Selenium	DUP	1808007-01	ND	ND		mg/kg			20	
	MS	1808007-01	ND	8.5538	10.000	mg/kg		85.5		75 - 125
	MSD	1808007-01	ND	7.8736	10.000	mg/kg	8.3	78.7	20	75 - 125
Silver	DUP	1808007-01	ND	ND		mg/kg			20	
	MS	1808007-01	ND	9.0572	10.000	mg/kg		90.6		75 - 125
	MSD	1808007-01	ND	8.2569	10.000	mg/kg	9.2	82.6	20	75 - 125
Thallium	DUP	1808007-01	ND	ND		mg/kg			20	
	MS	1808007-01	ND	98.866	100.00	mg/kg		98.9		75 - 125
	MSD	1808007-01	ND	98.708	100.00	mg/kg	0.2	98.7	20	75 - 125
Vanadium	DUP	1808007-01	28.541	28.101		mg/kg	1.6		20	
	MS	1808007-01	28.541	122.69	100.00	mg/kg		94.1		75 - 125
	MSD	1808007-01	28.541	121.08	100.00	mg/kg	1.3	92.5	20	75 - 125
Zinc	DUP	1808007-01	16.897	16.562		mg/kg	2.0		20	
	MS	1808007-01	16.897	105.60	100.00	mg/kg		88.7		75 - 125
	MSD	1808007-01	16.897	103.67	100.00	mg/kg	1.8	86.8	20	75 - 125
<b>QC Batch ID: B007917</b>		Used client sample: Y - Description: B11@0.5, 03/12/2018 10:49								
Antimony	DUP	1808007-31	ND	ND		mg/kg			20	
	MS	1808007-31	ND	34.096	100.00	mg/kg		34.1		16 - 119
	MSD	1808007-31	ND	37.919	100.00	mg/kg	10.6	37.9	20	16 - 119
Arsenic	DUP	1808007-31	2.4300	2.4919		mg/kg	2.5		20	
	MS	1808007-31	2.4300	9.9242	10.000	mg/kg		74.9		75 - 125 Q03
	MSD	1808007-31	2.4300	11.196	10.000	mg/kg	12.0	87.7	20	75 - 125
Barium	DUP	1808007-31	40.051	36.131		mg/kg	10.3		20	
	MS	1808007-31	40.051	122.84	100.00	mg/kg		82.8		75 - 125
	MSD	1808007-31	40.051	135.64	100.00	mg/kg	9.9	95.6	20	75 - 125
Beryllium	DUP	1808007-31	0.15952	0.16028		mg/kg	0.5		20	J
	MS	1808007-31	0.15952	8.1467	10.000	mg/kg		79.9		75 - 125
	MSD	1808007-31	0.15952	9.2246	10.000	mg/kg	12.4	90.7	20	75 - 125
Cadmium	DUP	1808007-31	0.062245	ND		mg/kg			20	
	MS	1808007-31	0.062245	7.8200	10.000	mg/kg		77.6		75 - 125
	MSD	1808007-31	0.062245	8.8125	10.000	mg/kg	11.9	87.5	20	75 - 125
Chromium	DUP	1808007-31	18.806	17.664		mg/kg	6.3		20	
	MS	1808007-31	18.806	99.454	100.00	mg/kg		80.6		75 - 125
	MSD	1808007-31	18.806	109.52	100.00	mg/kg	9.6	90.7	20	75 - 125

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Ventura, CA 93003

Reported: 03/21/2018 11:56  
Project: AMCAL  
Project Number: 17-05135  
Project Manager: Alex Cruz

### Total Concentrations (TTL)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: B007917</b>		Used client sample: Y - Description: B11@0.5, 03/12/2018 10:49								
Cobalt	DUP	1808007-31	4.8453	4.1025		mg/kg	16.6		20	
	MS	1808007-31	4.8453	84.172	100.00	mg/kg		79.3		75 - 125
	MSD	1808007-31	4.8453	93.893	100.00	mg/kg	10.9	89.0	20	75 - 125
Copper	DUP	1808007-31	7.0138	6.6086		mg/kg	5.9		20	
	MS	1808007-31	7.0138	92.284	100.00	mg/kg		85.3		75 - 125
	MSD	1808007-31	7.0138	98.742	100.00	mg/kg	6.8	91.7	20	75 - 125
Lead	DUP	1808007-31	3.8855	3.8035		mg/kg	2.1		20	
	MS	1808007-31	3.8855	84.934	100.00	mg/kg		81.0		75 - 125
	MSD	1808007-31	3.8855	90.522	100.00	mg/kg	6.4	86.6	20	75 - 125
Molybdenum	DUP	1808007-31	0.052792	ND		mg/kg			20	
	MS	1808007-31	0.052792	77.793	100.00	mg/kg		77.7		75 - 125
	MSD	1808007-31	0.052792	86.551	100.00	mg/kg	10.7	86.5	20	75 - 125
Nickel	DUP	1808007-31	23.206	19.589		mg/kg	16.9		20	
	MS	1808007-31	23.206	101.72	100.00	mg/kg		78.5		75 - 125
	MSD	1808007-31	23.206	111.82	100.00	mg/kg	9.5	88.6	20	75 - 125
Selenium	DUP	1808007-31	ND	ND		mg/kg			20	
	MS	1808007-31	ND	7.3396	10.000	mg/kg		73.4		75 - 125 Q03
	MSD	1808007-31	ND	8.0232	10.000	mg/kg	8.9	80.2	20	75 - 125
Silver	DUP	1808007-31	ND	ND		mg/kg			20	
	MS	1808007-31	ND	7.2426	10.000	mg/kg		72.4		75 - 125 Q03
	MSD	1808007-31	ND	8.2194	10.000	mg/kg	12.6	82.2	20	75 - 125
Thallium	DUP	1808007-31	ND	ND		mg/kg			20	
	MS	1808007-31	ND	86.636	100.00	mg/kg		86.6		75 - 125
	MSD	1808007-31	ND	97.712	100.00	mg/kg	12.0	97.7	20	75 - 125
Vanadium	DUP	1808007-31	24.136	23.664		mg/kg	2.0		20	
	MS	1808007-31	24.136	109.20	100.00	mg/kg		85.1		75 - 125
	MSD	1808007-31	24.136	114.29	100.00	mg/kg	4.6	90.2	20	75 - 125
Zinc	DUP	1808007-31	19.659	19.116		mg/kg	2.8		20	
	MS	1808007-31	19.659	97.164	100.00	mg/kg		77.5		75 - 125
	MSD	1808007-31	19.659	109.29	100.00	mg/kg	11.8	89.6	20	75 - 125

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**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A10 Detection and quantitation limits were raised due to matrix interference.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.