

APPENDIX C

PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENTS

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**Phase I Environmental Site
Assessment SWC of Calle
Arroyo and Paseo Tirador,
San Juan Capistrano,
California 92675**



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Project No.: 185803925

May 16, 2017

Sign-off Sheet and Signatures of Environmental Professionals


This Phase I Environmental Site Assessment SWC of Calle Arroyo and Paseo Tirador, San Juan Capistrano, California 92675 was prepared by Stantec Consulting Services Inc. (Stantec) for Watt Communities, LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

Prepared By 
(signature)

Dion Monge
Associate Scientist

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

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Table of Contents

ABBREVIATIONS	III
1.0 SUMMARY	1.1
2.0 INTRODUCTION	2.1
2.1 PROPERTY DESCRIPTION	2.2
2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS	2.2
2.3 EXCEPTIONS AND LIMITING CONDITIONS	2.3
2.4 PERSONNEL QUALIFICATIONS	2.4
3.0 USER-PROVIDED INFORMATION	3.1
4.0 RECORDS REVIEW	4.1
4.1 PHYSICAL SETTING	4.1
4.1.1 Property Topography and Surface Water Flow	4.1
4.1.2 Regional and Property Geology	4.2
4.1.3 Regional and Property Hydrogeology	4.2
4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS	4.2
4.2.1 Listings for Property	4.3
4.2.2 Listings for Nearby Sites with Potential to Impact Property	4.3
4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS	4.5
4.3.1 Local Departments	4.5
4.3.2 State Departments	4.7
4.3.4 Local Building and/or Planning Department Records	4.8
4.4 HISTORICAL RECORDS REVIEW	4.8
4.4.1 Land Title Records/Deeds	4.8
4.4.2 Aerial Photographs	4.9
4.4.3 City Directories	4.12
4.4.4 Historical Fire Insurance Maps	4.12
4.4.5 Historical Topographic Maps	4.12
4.4.6 Other Historical Sources	4.14
5.0 PROPERTY RECONNAISSANCE	5.1
5.1 PROPERTY RECONNAISSANCE METHODOLOGY	5.1
5.2 GENERAL DESCRIPTION	5.1
5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS	5.2
5.4 INTERIOR OBSERVATIONS	5.2
5.5 EXTERIOR OBSERVATIONS	5.3
5.6 UNDERGROUND STORAGE TANKS/STRUCTURES	5.5
5.7 ABOVEGROUND STORAGE TANKS	5.5
5.8 ADJOINING PROPERTIES	5.5
5.8.1 Current Uses of Adjoining Properties	5.5
5.8.2 Observed Evidence of Past Uses of Adjoining Properties	5.6
5.8.3 Pits, Ponds or Lagoons on Adjoining Properties	5.6
5.9 OBSERVED PHYSICAL SETTING	5.6
6.0 POTENTIAL FOR VAPOR ENCROACHMENT	6.1
7.0 INTERVIEWS	7.1

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

8.0	EVALUATION.....	8.1
8.1	FINDINGS AND OPINIONS	8.1
8.2	DATA GAPS	8.2
8.3	CONCLUSIONS	8.3
9.0	NON-SCOPE CONSIDERATIONS	9.1
9.1	LEAD-BASED PAINT	9.1
9.2	ASBESTOS.....	9.1
9.3	RADON	9.2
9.4	FLOOD ZONES	9.2
10.0	REFERENCES.....	10.1

LIST OF FIGURES

FIGURE 1	Property Location Map
FIGURE 2	Property Vicinity Map

LIST OF APPENDICES

APPENDIX A	PHOTOGRAPHS OF THE PROPERTY AND VICINITY
APPENDIX B	STANTEC RESUMES
APPENDIX C	USER PROVIDED RECORDS
APPENDIX D	ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT
APPENDIX E	HISTORICAL RECORDS
APPENDIX F	AGENCY RECORDS

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

SUMMARY
May 16, 2017

1.0 SUMMARY

Stantec has completed a Phase I Environmental Site Assessment (ESA) report for the referenced property located at the southwest corner of Calle Arroyo and Paseo Tirador in San Juan Capistrano, California (the "Property"), on behalf of Watt Communities, LLC (the "Client").

This ESA was conducted in accordance with the requirements of the Master Services Agreement between Watt Communities, LLC, and Stantec (the "MSA"). The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13 and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3.

The Property consists of approximately 17.6 acres of land located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano. The Property is undeveloped except for an approximately 300 square foot well house containing a water well. Paseo Tirador extends into the northeast portion of the Property and is a paved road that has been closed off to automobile traffic. Today, Paseo Tirador serves as an entry point to a paved bike/pedestrian trail which extends from the cul-de-sac of Paseo Tirador in a southwest direction through the Property, as shown on Figure 2.

The majority of the Property is proposed for redevelopment as a residential tract. However, southern portions of the Property, which consist of the adjoining San Juan Creek embankment, water well house, and inactive water well will remain and are not being redeveloped other than what is required for roadway and belowground utility improvements. Surrounding properties are a mix of commercial offices, an equestrian center, Interstate 5 (I-5), and vacant land. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

A review of historic aerial photographs indicates that portions of the Property were used for agricultural purposes from at least the late 1930s until the late 1960s with the longest and most consistent agricultural uses occurring on the northeastern third of the Property. Historical documents also indicate that a drainage ran through the northeast portion of the Property, terminating in the adjoining San Juan Creek, since at least the late 1930s. The drainage still runs below the Property in this area but within an engineered belowground culvert. A review of historical building department records indicate that undocumented fill was brought to the Property in the mid-1990s (1995 according to building permits, Section 4.3.4), stockpiled, and graded along the southern Property boundary adjacent to San Juan Creek as part of a "stream restoration project". It is unclear where the fill was import from, or whether the fill was assessed for contamination prior to delivery.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

SUMMARY

May 16, 2017

A review of agency databases identified a listing by the name of "San Juan Capistrano Landfill". Very little information is provided in the EDR regarding this landfill listing. The location is listed as being 300 feet north of San Juan Creek with no reference point listed for an east-west location along the creek. As a result, Stantec contacted Orange County Waste and Recycling (i.e., O.C. Landfills) and the Regional Water Quality Control Board (RWQCB), San Diego Region, Land Disposal Unit, in order to obtain more information on this apparent landfill. On May 12, 2017, Mr. Joshua Munn of the RWQCB Land Disposal Unit issued electronic correspondence (email) confirming that based on the information provided by Stantec and on a review of RWQCB and O.C. Landfills records, it does not appear that a landfill is or ever has been located at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as Forester Canyon Landfill. Emails from the RWQCB and O.C. Landfills are included in Appendix F.

Stantec has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 of the referenced property located at the southwest corner of Calle Arroyo and Paseo Tirador in San Juan Capistrano, California, or the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) except for the following:

- **Historical Agricultural Use.** The historical use of the Property for cultivation of agricultural crops is a potential REC due to possibility of pesticide and metals-based herbicide residues in shallow soils above regulatory thresholds or human health risk criteria for residential use. Stantec recommends performing shallow soil sampling for pesticides, lead, and arsenic throughout the Property where agricultural activities were performed.
- **Undocumented Fill (with the addition of methane sampling).** The presence of undocumented fill in the southern portion of the Property is a REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. A previous geotechnical report performed for the Property also indicates that artificial fill was found elsewhere on the Property. Stantec recommends that composite soil samples be collected to evaluate the fill for potential soil impacts. It is recommended that these composite samples of the import fill be analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), metals, and pesticides. If the soil analysis indicates that the stockpiled fill contains contaminants of concern above regulatory thresholds or health risk screening levels, further assessment may be necessary for the remainder of the Property where artificial fill was documented by the previous geotechnical report.

Additionally, Stantec recommends that soil vapor samples be collected from this stockpiled fill for VOCs. As a conservative measure with regard to the "San Juan Capistrano Landfill" listing, Stantec also recommends that soil vapor be evaluated for methane with a field instrument from the same vapor probes that are recommended for the VOC vapor assessment within the stockpiled fill to confirm that unknown landfilling

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

SUMMARY

May 16, 2017

practices were not being performed onsite within the undocumented stockpile or at an unknown offsite location in the area that could present a potential methane issue.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

INTRODUCTION

May 16, 2017

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions ("RECs") of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means 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; or
- (3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC 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), but 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).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health and

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

INTRODUCTION

May 16, 2017

would not likely be subject to enforcement action if brought to the attention of governmental agencies.

This ESA was conducted in accordance with requirements of the MSA. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

- (1) Information that is publicly available;
- (2) Information that is obtainable from its source within reasonable time and cost constraints; and
- (3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 17.6 acres of land located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano. The Property is mostly undeveloped with an approximate 300 square foot well house containing a water well. Further Property description is provided in Sections 1.0 and 5.0. Surrounding properties are a mix of commercial offices, an equestrian center, Interstate 5 (I-5), and vacant land. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

INTRODUCTION

May 16, 2017

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided and given the schedule and budget constraints established by the client. No other representations, warranties, or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the Property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. Stantec can neither warrant nor guarantee the accuracy or completeness of this information. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report, and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the property's environmental condition.

The Client did not provide or contract Stantec to provide recorded title records or search results for environmental liens or activity and use limitations encumbering the property or in connection with the property. Stantec did not obtain historical records that document the property history in 5-year intervals and this resulted in data gaps. However, these data gaps are not considered significant. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the Environmental Professionals to identify RECs, HRECs, CRECs, or de minimis conditions.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by the client identified herein for any variation or extension of this project, any other project, or any other purpose.

Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the conditions encountered at the Property by Stantec at the time the work was conducted. Accordingly, additional studies and actions may be required. As the purpose of this report is to identify selected Property conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment. The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

INTRODUCTION

May 16, 2017

of the Property which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of Federal, state, provincial or local governmental agencies. Issues raised by the report should be reviewed by client legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

USER-PROVIDED INFORMATION
May 16, 2017

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	A User Questionnaire was completed by Mr. Efreem Joelson of Watt Communities, LLC. No RECs, CRECs, or HRECs were identified in the User Questionnaire
Environmental Liens or Activity Use Limitations	No	N/A – a preliminary title report was provided by the User
Previous Environmental Permits or Reports Provided by User	No	Previous Phase I ESA was provided and is discussed in Section 4.4.6.
Purpose of the Phase I ESA	Yes	Due diligence.

Stantec forwarded the ASTM recommended User Questionnaire to Mr. Efreem Joelson, Director of Forward Planning for Watt Communities, LLC. The completed User Questionnaire returned to us by Mr. Joelson is included in Appendix C. The significant information provided by Mr. Joelson is summarized below.

1. Information on Environmental Cleanup Liens on Site? **No**
2. Information on Site Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? **Yes**
5. Commonly known or reasonably ascertainable information about the Property? **No**
6. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **No**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW

May 16, 2017

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property ranges in elevation from approximately 71 to 100 feet above mean sea level (amsl) and generally slopes to the south west, as depicted on the USGS San Juan Capistrano Quadrangle map.
Soil/Bedrock Data:	Based on a Geotechnical report prepared Construction Testing and Engineering in 2007, surface soil at the Property is Quaternary artificial fill consisting of clayey fine sand with cobbles. The depth of the fill reportedly ranges from 5 to 19 feet bgs. The stratigraphy underlying the vicinity of the Property reportedly consists of Holocene-Pleistocene Age alluvium, lake, playa, and terrace deposits.
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to information available through Geotracker, depth to groundwater to the west of the Property is approximately 20 feet and flows in a southerly direction. However, groundwater may be shallower at the Property due to its proximity to the adjacent San Juan Creek.
<i>Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.</i>	

4.1.1 Property Topography and Surface Water Flow

The Property ranges in elevation from approximately 71 to 100 feet above mean sea level (amsl) and generally slopes to the south west, as depicted on the USGS San Juan Capistrano Quadrangle map.



PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

RECORDS REVIEW

May 16, 2017

4.1.2 Regional and Property Geology

The Property is located in the City of San Juan Capistrano, California which is within the Peninsular Ranges Geomorphic Province. This geomorphic province includes northwest-southeast trending features that have been developed by the San Andreas Fault system (California Geological Survey [CGS], 2002). Based on a Geotechnical report prepared Construction Testing and Engineering (CTE) in 2007, surface soil at the Property is Quaternary artificial fill consisting of clayey fine sand with cobbles (CTE, 2007). The depth of the fill was shown to be approximately 4 feet bgs but is expected to be much deeper in the area of the undocumented fill pile that is located along the southern portion of the Property adjacent to San Juan Creek. The stratigraphy underlying the vicinity of the Property reportedly consists of Holocene-Pleistocene Age alluvium, lake, playa, and terrace deposits. Native soil below the onsite fill was classified in a separate geotechnical report prepared from the adjoining vacant corner property to the northwest, as consisting of sandy clay to approximately 20 feet with interbedded sand, sandy clay, and silty sand to the maximum explored depth of 51.1 feet bgs.

The closest mapped recently active fault is the Temecula Section of the Lake Elsinore Fault located approximately 20 miles northeast (CGS, 2010). According to official maps of California, the Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary or a liquefaction zone (CDMG, 2000).

4.1.3 Regional and Property Hydrogeology

The Property is located within the San Juan Valley Groundwater Basin (9-01). The basin is bound to the west by the Pacific Ocean and by tertiary semi-permeable marine deposits. The water bearing unit within the basin is Quaternary alluvium that includes heterogeneous mixtures of sand, silt, and gravel in the vicinity of the Property. Thickness of the water-bearing alluvium ranges from 65 feet to more than 125 feet in some instances. San Juan Creek, which is adjacent to the Property, is one of three primary sources of recharge for the basin.

According to information available through Geotracker, depth to groundwater to the west of the Property is approximately 20 feet and flows in a southerly direction. However, groundwater may be shallower at the Property due to its proximity to the adjacent San Juan Creek and has historically been recorded in the Property vicinity as being as high as 5 feet below ground surface.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources, Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

RECORDS REVIEW

May 16, 2017

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, no inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, based on a nearby release site to the north/northwest (former Chevron), groundwater flow direction in the Property vicinity is to the south at approximately 20 feet bgs. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was not identified in the environmental database report.

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Chevron Service Station #8719 26988 Ortega Hwy San Juan Capistrano, CA 92675	LUST, HIST CORTESE	¼ mile/north-northwest	No
This facility was located approximately ¼ mile up to cross-gradient from the Property with respect to groundwater flow which is reportedly to the south. Though the former facility location is ¼ mile from the Property, it has and a long remedial history due to a significant release of petroleum hydrocarbons from the former gasoline station. The case was opened in 1993 and was issued closure by the San Diego Regional Water Quality Control Board (RWQCB) in 2013. An offsite groundwater assessment conducted in 2010 detected MTBE in groundwater at 270 ug/L in a sample point collected 300 feet west of the Property. In regard to vapor migration potential, MTBE concentrations in groundwater do not generally off-gas as readily as other VOC compounds and don't present a vapor intrusion issue threat due to higher solubility rates once in groundwater, especially at the concentrations detected. In addition, groundwater flow direction is to the south and the location where the MTBE was detected in groundwater is 300 feet west of the Property. As a result, Stantec concludes that this listing does not represent an environmental concern to the Property and recommends no further investigation regarding this issue.			

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW

May 16, 2017

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Park Cleaners 31878 Del Obispo, No. 123 San Juan Capistrano, CA 92675	RCRA-SQG, Orange Co. Industrial Site, FINDS, ECHO, Drycleaners	300 feet/ west	No
This facility is listed in the Orange Co. Industrial Site database for a release of tetrachlorethylene ("PCE"). The case was issued closure on February 11, 2000. Groundwater flow direction in the Property vicinity is reportedly to the south and therefore down to cross-gradient from the Property with respect to groundwater flow direction. As a result, Stantec concludes that this listing does not represent an environmental concern to the Property and recommends no further investigation regarding this issue.			
San Juan Capistrano Landfill Near San Juan Creek 300'N San Juan Capistrano, CA 92675	WMUDS/SWAT	Potentially on or near the site	Yes
<p>Very little information is provided in the EDR regarding this landfill listing. The location is listed as being 300 feet north of San Juan Creek with no reference point listed for an east-west location along San Juan Creek. As a result, Stantec contacted Orange County Waste and Recycling (i.e., OC Landfills) and the Regional Water Quality Control Board (RWQCB) Land Disposal Unit, San Diego Region, in order to obtain more information on this apparent landfill. On May 12, 2017, Mr. Joshua Munn of the RWQCB Land Disposal Unit issued an email indicating that based on the information provided by Stantec and on a review RWQCB and OC Landfills records, it does not appear that a landfill is at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as Forester Canyon Landfill. Emails on this subject from the RWQCB and OC Landfills are included in Appendix F.</p> <p>In the absence of locational data on this apparent landfill listing and because there is was a permit issued by the city of San Juan Capistrano indicating that a "dump site" was present for 50,000 cubic yards of "clean" soil, Stantec recommends collecting composite soil samples of the fill material and also collecting soil vapor samples from within the pile for volatile organic compounds ("VOCs") and taking field measurements from installed sampling probes for the presence of methane.</p>			
Forester Canyon Landfill Stn 17 Forester Canyon Rd San Juan Capistrano, CA 92675	WMUDS/SWAT	1,200 feet / south	No
This landfill location was evaluated in the EDR and through an online review of Orange County (OC) Landfill information. The landfill boundary is more than 1,200 feet south and hydrologically			



**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
down-gradient of the Property at the closest point. As a result, Stantec concludes that this listing does not represent an environmental concern to the Property and recommends no further investigation regarding this issue.			

Stantec concludes that the remaining listings in the database search report provided in Appendix D do not represent a REC. Therefore, except as stated above, Stantec recommends no further investigation regarding any of the listings or the listed facilities.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Local Departments

Agency Name Contact Information	Finding
Orange County Health Care Agency 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705 (714) 433-6424 (fax)	A request for public records was submitted for the Property and the "San Juan Capistrano Landfill" referenced in the EDR report to the Orange County Health Care Agency (OCHCA) on May 3, 2017. Based on past projects the typical response time from OCHCA on records requests is 2-3 weeks. As a result, no response has yet been received from the OCHCA. In the event that records become available at a later date, Stantec will review the records and issue an addendum if any of the records contained in the file change the conclusions of this report. Based on its review of other sources, however, Stantec considers it unlikely that any records from this agency would alter the conclusions or recommendations of this report. The lack of this information does not represent a significant data gap.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW

May 16, 2017

<p>Orange County Waste and Recycling (OC Landfills) 300 N. Flower St, Suite 400 Santa Ana, CA 92703 (714) 433-6424 (fax)</p>	<p>Stantec contacted Ms. Kathryn Cross via email and Ms. Julie Chay via telephone on May 8, 2017 regarding the "San Juan Capistrano Landfill" listing referenced in the EDR report. The intent was to find out more information and particularly a location of the reported "San Juan Capistrano Landfill". A review of other information provided on the OC Landfills website indicates that there are no other active, inactive, or closed landfills within 1,000 feet of the Property.</p> <p>For further confirmation Stantec contacted Orange County Waste and Recycling (i.e. OC Landfills) and the Regional Water Quality Control Board (RWQCB), San Diego Region, Land Disposal Unit in order to obtain more information on this apparent landfill. On May 12, 2017 Mr. Joshua Munn of the RWQCB Land Disposal Unit issued an email indicating that based on the information provided by Stantec and on a review RWQCB and OC Landfills records, it does not appear that a landfill is at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as Forester Canyon Landfill. Emails from the RWQCB and OC Landfills are included in Appendix F. Despite the RWQCB's conclusion that a landfill not located at the Property or within 1,000 feet, further assessment of VOCs and methane in soil vapor within the undocumented stockpiled fill are recommended, as stated in previous sections of this report.</p>
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

4.3.2 State Departments

Agency Name Contact Information	Finding
Regional Water Quality Control Board (RWQCB) – San Diego Region http://geotracker.waterboards.ca.gov	Stantec submitted a request to the RWQCB on May 3, 2016 for the Property. According to an email response from Mr. Lucas Lima of the RWQCB, no records are on file for the Property. Additionally, no records were available for the Property address in the Geotracker database and as of May 4, 2017 all release sites in the vicinity of the Property are closed cases, none of which are adjacent to the Property. However, a release from an offsite gasoline station that was located ¼ mile to the north/northwest had a significant release and the reaches of the MTBE extend at least 1/3 mile from the source area. Further discussion is provided in Section 4.2.2.
Department of Toxic Substances Control – Envirostor database http://www.envirostor.dtsc.ca.gov	The Property and nearby properties were searched in the Envirostor database on May 4, 2017. No records were available for the Property and no environmental concerns were found for surrounding properties.
Division of Oil, Gas, and Geothermal Resources (DOGGR), District 1 5816 Corporate Ave, Suite 100 Cypress, CA 90630 Phone: (714) 816-6847 Website: http://www.conservation.ca.gov	Stantec reviewed the DOGGR online well search database (Well Finder) on May 8, 2017. The online database shows no oil wells within a half mile radius of the Property. As a result, no further investigation is recommended with regard to oil wells in the vicinity of the Property.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

4.3.4 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of San Juan Capistrano 32400 Paseo Adelanto San Juan Capistrano, CA 92675 (949) 493-1053	<p>Stantec visited the San Juan Capistrano Building Department on May 1, 2017. Archived building permit records were accessible through a self-help desk computer. Permits issued for the Property were limited due to the lack of development but included permits related to the construction of the onsite water well house. Encroachment permits were also issued for utilities and the construction of a bike trail.</p> <p>One additional permit was issued in 1995 for signage and use of a portion of the Property to stockpile 50,000 cubic yards of soil. The stockpile was reportedly for Creekside/habitat improvements and a map depicts the stockpile to be along the southern Property boundary coinciding with an area of noticeably higher elevation that was observed during the Property reconnaissance, as shown on Figure 2. One of the permits indicates that the signage that was permitted was for a "Dump Site for Clean Fill". The permits and map are attached in Appendix F.</p> <p>Although the permit indicates that only "clean fill" was accepted, the fill is undocumented with no known testing data certifying that it is clean. Therefore the fill is considered an REC in the absence of a known origin or analytical data.</p>

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Stantec was not contracted to conduct an environmental lien search for the Property through a third party. However, Stantec was provided with a Primary Title Report for the Property by Watt Communities, LLC, prepared by Fidelity National Title Insurance Company of Newport Beach, California, dated April 11, 2017. Stantec has reviewed the Preliminary Title Report and has identified no evidence of environmental liens associated with the Property.

No other land title records were reviewed by Stantec as part of this assessment.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1938/ 1946	1" = 500'	<p>The northeast half of the Property appears to be used for cultivation of various agricultural crops. The southwest half is vacant land with natural vegetation and part of the adjacent San Juan Creek embankment. A drainage channel appears to run through the northeast portion of the Property, extending from the adjoining properties to the north to the San Juan creek to the south/southeast.</p> <p>The surrounding area to the northwest and southeast, across the adjacent creek, are agricultural land.</p>
1948	1" = 500'	<p>The Property appears similar to the previous photograph except that portions of the southwest half appear used for possible cultivation of agricultural crops.</p> <p>Surrounding property uses appear similar to the previous photographs.</p>
1952	1" = 500'	<p>The northeastern third of the Property remains in use for agricultural purposes. The central portion of the Property appears as vacant land with natural vegetation. The southwestern third of the Property appears to have what appear to be several berms of soil, possibly for flood control purposes as there are several residential structures to the west/southwest. Then drainage channel that extends through the northeast portion of the Property into San Juan Creek is still in place.</p> <p>Surrounding property uses appear largely the same as in the previous photographs.</p>
1963	1" = 500'	<p>The northeast portion of the Property appears similar to the previous photograph. The remaining two-thirds of the Property is vacant land with natural vegetation. There is no evidence of the berm features noted in the previous photograph.</p> <p>I-5 has been developed to the west of the Property. Agricultural fields are still present on the west side of I-5 and to the southeast of the San Juan</p>

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

RECORDS REVIEW
May 16, 2017

Year	Scale	Observations, Property and Adjoining Properties
		Creek. Further out, properties have been redeveloped for commercial or residential uses.
1967	1" = 500'	<p>The Property appears similar to the previous photograph except that some sort of feature appears to have been developed in the east/northeast portion of the Property. The location appears to coincide with the location of the inactive water well that was observed during the Property reconnaissance.</p> <p>A drive-in theater has been developed to the west of I-5 in place of one of the agricultural properties. However, several other agricultural properties remain to the north of the theater.</p>
1977	1" = 500'	<p>The Property appears as vacant land covered with natural vegetation. Then drainage channel that extends through the northeast portion of the Property into San Juan Creek is still in place.</p> <p>The equestrian center to the east/northeast of the Property appears to have been developed. There is no evidence of agriculture at the Property or surrounding area.</p>
1988	1" = 500'	<p>The Property is vacant land with natural vegetation. Paseo Tirador has been developed and extends approximately one-third of the way into the Property from the northeast corner. There is no visible evidence at the Property that the drainage channel is still present in the northeast portion. However, there is a drainage outlet leading into the San Juan Creek at the same location which indicates that the drainage remains but is underground. Calle Arroyo has been developed along the northern Property boundary.</p> <p>The adjacent property to the north, beyond Calle Arroyo, appears to be in the process of being graded. A shopping center has been partially developed to the west of I-5 at the location of the former drive-in theater. A golf course appears to be located adjacent to the east of the San Juan Creek.</p>
1990, 1994	1" = 500'	<p>The Property appears similar to the previous photograph. A small rectangular feature is located where the inactive well was observed during the Property reconnaissance.</p> <p>A small structure appears in an otherwise vacant field, just beyond the northwest Property boundary. The business park to the north has been</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

Year	Scale	Observations, Property and Adjoining Properties
		developed with several of the present day structures. The shopping center to the west of I-5 is fully developed.
2005	1" = 500'	<p>The Property appears similar to the present day. The well house has been developed along the south side of Paseo Tirador. Some vehicles or possibly staged materials appear in the vicinity of the well house. The area in the southern portion of the Property that was reportedly used to stockpile "clean" but undocumented fill (see Section 4.3.4) is visibly at a higher elevation than in the 1994 photograph. A paved bike/pedestrian trail borders the north and west side of the fill pile.</p> <p>The surrounding properties appear similar to the present day with the business/office park to the north of Calle Arroyo, equestrian center and San Juan creek to the east/southeast, and I-5 followed by a shopping center to the west/northwest.</p>
2009, 2010, 2012	1" = 500'	<p>The Property appears similar to the 2005 photograph with only subtle changes (i.e. new dirt paths, trees, natural vegetation).</p> <p>Surrounding properties appear similar to the 2005 photograph.</p>

Name of aerial photograph source: EDR Aerial Photo Decade Package Report, 2017.

A review of historical aerial photographs indicates that portions of the Property were used for agricultural purposes from at least the late 1930s until the late 1960s with the longest and most consistent agricultural uses occurring on the northeastern third of the Property. A drainage ran through the northeast portion of the Property in the late 1930s and still runs below the Property in this area within an engineered belowground culvert. Undocumented fill was brought to the Property in the mid-1990s (1995 according to building permits, Section 4.3.4), stockpiled, and graded along the southern Property boundary adjacent to San Juan Creek. The location of this fill is shown on Figure 2.

The historical use of the Property for cultivation of agricultural crops is a potential REC due to possibility of pesticide and herbicide residues remaining in shallow soils above regulatory thresholds or human health risk criteria for residential use. Stantec recommends that shallow soil sampling for pesticides, lead, and arsenic be performed throughout the Property where agricultural activities were performed. Additionally, the presence of undocumented fill in the southern portion of the Property is a potential REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. Stantec recommends that soil samples be collected for TPH, VOCs, metals, and pesticides throughout the fill and that soil vapor samples be collected from this area for VOCs and methane.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

RECORDS REVIEW

May 16, 2017

4.4.3 City Directories

The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Subject Property:	NA	Not listed.
Adjoining N Street Address	1992-2013	Various Commercial Office Tenants
Adjoining W Street Address	1990-2013	Ortega Equestrian Center
Adjoining S Street Address	NA	Not listed – natural riparian habitat of San Juan Creek
Adjoining E Street Address:	NA	Not listed – natural riparian habitat for San Juan Creek

Name of city directories and source: EDR Digital Archive; Haines Criss-Cross Directory; Cole Information Services

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec requested fire insurance maps from EDR; however, no coverage exists for the Property. The Sanborn® Map Search Report indicating "no coverage" is presented in Appendix E.

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the San Juan Capistrano, Dana Point, Santiago Peak Quadrangles (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern.

Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property, and Adjoining Properties
1902/ 1906	1:125,000	The Property and immediate surrounding area appears to be vacant and largely undeveloped with very little detail. The topographic gradient is to the southwest, following the

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

RECORDS REVIEW
May 16, 2017

Year	Scale	Observations, Property, and Adjoining Properties
		adjacent San Juan Creek toward the Pacific Ocean. The more heavily-developed portions of San Juan Capistrano are depicted with developmental features such as roads and buildings.
1942/ 1947	1:24,000	The Property is illustrated with several small green shaded circles indicating historic agricultural use of the Property. Highway 101 and a railroad easement are shown to the west of the Property at the approximate location of the present day Camino Capistrano alignment. Nearby properties to the north and west are either agricultural or developed with commercial or residential properties with the central portion of San Juan Capistrano.
1948, 1949	1:24,000	The Property is not depicted with any particular land use but is located along the northwest bank of San Juan Creek. Agricultural uses are ongoing adjacent to the north and west of the Property.
1968, 1975	1:24,000	Two wells are depicted in the northeast portion of the Property. The wells locations coincide with the present day location of the water well house and inactive well observed during the Property reconnaissance and shown on Figure 2. Interstate 5 (I-5) has been constructed adjacent to the west of the Property. The area to the west of I-5 has become increasingly developed with commercial and residential properties. The northern portion of the 1975 topographic map is missing but depicts the entire Property.
1981	1:24,000	The southern portion of the topographic map is missing and does not depict the Property. The area to the northeast of the Property remains mostly vacant but the area to the northwest continues to become increasingly more developed.
2012	1:24,000	Paseo Tirador has been developed and enters the northeast portion of the Property. The two wells are still depicted. There is no other land use or structures illustrated at the Property or in the surrounding area other than roadways.

Name of maps and source: USGS San Juan Capistrano, Dana Point, Santiago Peak, 7.5-minute topographic quadrangle.

Stantec's review of aerial photographs and topographic maps show that the Property was used for agricultural purposes in the 1940s. Two water wells have been located in the northeast portion of the Property by the late 1960s until present day and do not represent an environmental concern. Recommendations regarding the historic agricultural use of the Property are provided in Section 1.0 and 8.1.



PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

RECORDS REVIEW

May 16, 2017

4.4.6 Other Historical Sources

Land America Assessment Corporation (LAAC), 2006, Phase I Environmental Site Assessment, Undeveloped Land, APNs 666-131-009, 015, and 016, SWC of Calle Arroyo and Paseo Tirador, San Juan Capistrano, dated October 31.

LAAC conducted a Phase I ESA for a slightly smaller portion of the Property but included most of the developable space being proposed by the Client. The report identifies the Property as being raw land with no developed features other than an asphalt paved bike path.

LAAC concluded that there were no RECs in connection with the Property. However, LAAC did not identify the presence of the fill stockpile in the southern portion of the Property. Additionally, LAAC did not identify the historical agricultural use of the Property as an REC.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

PROPERTY RECONNAISSANCE
May 16, 2017

5.0 PROPERTY RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Mr. Dion Monge with Stantec on May 3, 2017. Stantec was not accompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 PROPERTY RECONNAISSANCE METHODOLOGY

The Property reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were clear and sunny. There were no weather-related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano. Surrounding properties are a mix of commercial offices, an equestrian center, Interstate 5 (I-5), and vacant land.
Property Operations.	Vacant land with a well house (water well) and biking/pedestrian trail.
Structures, Roads, Other Improvements:	The Property is undeveloped land with an approximate 300 square foot well house containing a water well. Paseo Tirador extends into the northeast portion of the Property and is a paved road that been closed off to automobile traffic. Today, Paseo Tirador serves as an entry point to a paved bike/pedestrian trail which extends from the cul-de-sac of Paseo Tirador in a southwest direction through the Property, as shown on Figure 2.
Property Size (acres):	Approximately 17.6 acres

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

PROPERTY RECONNAISSANCE

May 16, 2017

Estimated % of Property Covered by Buildings and/or Pavement:	5%
Observed Current Property Use/Operations:	Vacant land with a producing water well and bike/pedestrian trails.
Observed Evidence of Past Property Use(s):	None observed.
Sewage Disposal Method (and age):	Sewer lines are located in areas of the Property as evident by sewer manholes. However, the date of the sewer line is unknown and there does not appear to be a connection to the sewer at the Property.
Potable Water Source:	None observed.
Electric Utility:	Unknown but an electrical connection is evident for the well house along the southern Property boundary.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (\geq 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	Pad mounted transformers were observed along the southern Property boundary near the well house. No evidence of a release was noted on surrounding surfaces. The features are unlikely to represent an environmental concern.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

The only structure on the Property is the well house along the southern Property boundary. The structure was locked and inaccessible. No hazardous materials would likely be present within the

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

PROPERTY RECONNAISSANCE
May 16, 2017

well house given that the well is a water well. Additionally, the Client has indicated that the well house is located outside of the area proposed for redevelopment and that the well will remain in production. There are no plans.

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	Non-hazardous household debris from apparent wild cat dumping or homeless populations were observed in portions of the Property that were overgrown with riparian vegetation adjacent to the stream to the south/southeast.
Potential Areas of Fill Placement:	An area containing apparent fill was noted in the southern portion of the Property, as shown on Figure 2. Further discussion of fill at the Property is provided in Sections 4.3.4 (building department records) and 4.4.6 (former reports). The fill is undocumented and therefore considered an REC in the absence of a known origin or analytical data.
Wastewater:	No exterior wastewater discharge was observed.
Stormwater:	No stormwater was observed during the property reconnaissance. However, the majority of stormwater/surface runoff from the Property would flow southeast toward San Juan Creek. Stormwater runoff in the southern third of the Property would flow southwest into the low-lying drainage channel adjacent to I-5. Stormwater collecting on Calle Arroyo and Paseo Tirador would flow into storm drains.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

PROPERTY RECONNAISSANCE
May 16, 2017

Wells:	Two water wells are present onsite – one of which is producing and secured within a well house in the northeast portion of the Property, adjacent to Paseo Tirador. The second well is approximately 300 feet northeast of the well house and appears to be non-operational. The pumping equipment, piping, and electrical panel remain in place but are worn and rusted.
Septic Systems:	No visible evidence of the existence of a septic system was observed.
Other Exterior Observations:	<p>Utilities: Several coverings for what appear to be water valves were observed in the southern half of the Property along the bike/pedestrian trail. Several sewer manhole covers were also observed along this same stretch of the trail. Two approximate 10-inch steel pipes that were painted green protrude vertically from the ground in the west-central portion of the Property. Between the two pipes was an apparent sewer manhole. Therefore, the green pipes appear to be some sort of sewer related vent.</p> <p>Steel Casings: Several steel casings were observed among the overgrown riparian vegetation on the slope of the creek embankment in the southeast portion of the Property. Netting connected the casings to one another. Given the location along the creek embankment, they are figured to be associated with some sort of erosion control. The casings are located outside of the area proposed for development but are still within the existing Property parcel boundaries.</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

PROPERTY RECONNAISSANCE
May 16, 2017

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), which would indicate the presence of ASTs, was discovered during the site reconnaissance.
Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs, was discovered during this Phase I ESA.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Capistrano Business Center – various commercial offices
SOUTH	San Juan Creek followed by a Public Storage complex (south) and golf course (southeast)
EAST	Equestrian center (east/northeast)
WEST	Undeveloped drainage channel and freeway embankment, followed by I-5.

Refer to Figure 2

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

PROPERTY RECONNAISSANCE
May 16, 2017

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	San Juan Creek
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property ranges in elevation from approximately 70 to 99 feet amsl and is generally sloped southeast toward San Juan Creek. The southern third of the Property slopes southwest.
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

POTENTIAL FOR VAPOR ENCROACHMENT
May 16, 2017

6.0 POTENTIAL FOR VAPOR ENCROACHMENT

Consideration of the migration of hazardous substances and petroleum products in all phases including solid, liquid, or vapor is required by the ASTM E1527-13 standard. As stated in Section 2.1 of ASTM E1527-13:

Vapor migration must be considered no differently than contaminated groundwater migration in the Phase I investigation. While E2600-10 provides an industry consensus methodology to assess vapor migration, use of E2600-10 methodology is not required to achieve compliance with AAI – an EP may use alternative methodology as deemed appropriate, but this must be documented in the Phase I report (i.e., it must be "capable of being reconstructed by an EP other than the EP responsible for the Phase I").

As presented below, analysis of the potential for onsite or offsite releases to have affected the Property via migration through soil, groundwater or soil vapor was performed with consideration given to media affected, distance from the Site, remedial actions taken, type of contaminants, subsurface conditions, and location of the source relative to groundwater gradient.

Based on the site inspection, review of adjacent properties, and available environmental records, there is the potential for a vapor encroachment condition to exist based on the following:

- The presence of undocumented fill in the southern portion of the Property is a potential REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. Therefore, with regard to potential vapor encroachment Stantec recommends that soil vapor samples be collected from within the stockpiled fill for VOCs. Additionally, there is information provided in the EDR that a location named the "San Juan Capistrano Landfill" may be in the vicinity of the Property. However, inquiry into the potential landfill by several individuals of the RWQCB and OC Landfills concluded that a landfill is not located onsite and may be a reference to another landfill in the area. The closest mapped landfill is located more than 1,200 feet south of the Property. Emails from the RWQCB and OC Landfills are included in Appendix F. As a conservative measure, Stantec recommends that soil vapor be evaluated for methane from the same vapor probes that are recommended for the VOC vapor assessment to confirm that unknown landfilling practices were not being performed onsite within the undocumented stockpile that could present a potential methane issue.

Therefore, Stantec recommends no investigation regarding soil vapor at the Property.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

INTERVIEWS
May 16, 2017

7.0 INTERVIEWS

Stantec did not conduct an interview given the Property was a vacant lot with no structure or tenants. The lack of this information does not represent a significant data gap.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

EVALUATION
May 16, 2017

8.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

8.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: A review of historic aerial photographs indicates that portions of the Property were used for agricultural purposes from at least the late 1930s until the late 1960s with the longest and most consistent agricultural uses occurring on the northeastern third of the Property.

Opinion 1: The historical use of the Property for cultivation of agricultural crops is a REC due to possibility of pesticide and metals-based herbicide residues remaining in shallow soils above regulatory thresholds or human health risk criteria for residential use. Stantec recommends that shallow soil sampling for pesticides, lead, and arsenic be performed throughout the Property where agricultural activities were performed.

Finding 2: A review of historical building department records indicate that undocumented fill was brought to the Property in the mid-1990s (1995 according to building permits, Section 4.3.4), stockpiled, and graded along the southern Property boundary adjacent to San Juan Creek as part of a "stream restoration project".

Opinion 2: The presence of undocumented fill in the southern portion of the Property is a REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. A previous geotechnical report performed for the Property also indicates that artificial fill was found elsewhere on the Property. Stantec recommends that composite soil samples be collected for TPH, VOCs, metals, and pesticides throughout the stockpiled fill in the southern portion of the Property. If the soil analysis indicates that the stockpiled fill contains contaminants of concern above regulatory thresholds or health risk screening levels, further assessment may be necessary for the remainder of the Property where artificial fill was documented by the previous geotechnical report.

Stantec also recommends that soil vapor samples be collected from this stockpiled fill for VOCs.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

EVALUATION
May 16, 2017

Finding 3: A review of agency databases identified a listing by the name of "San Juan Capistrano Landfill". Very little information is provided in the EDR regarding this landfill listing. The location is listed as being 300 feet north of San Juan Creek with no reference point listed for an east-west location along the creek. As a result, Stantec contacted Orange County Waste and Recycling (i.e. OC Landfills) and the Regional Water Quality Control Board (RWQCB), San Diego Region, Land Disposal Unit in order to obtain more information on this apparent landfill. On May 12, 2017 Mr. Joshua Munn of the RWQCB Land Disposal Unit issued an email indicating that based on the information provided by Stantec and on a review RWQCB and OC Landfills records, it does not appear that a landfill is at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as Forester Canyon Landfill. Emails from the RWQCB and OC Landfills are included in Appendix F.

Opinion 3: Although the RWQCB Land Disposal Unit and OC Landfills indicated that their records do not indicate that a landfill is located at the Property, they are uncertain of this landfills location and speculate that it might be associate with another landfill in San Juan Capistrano or a former burn dump that is located further down San Juan Creek in the city of Dana point. Therefore, as a conservative measure with regard to the "San Juan Capistrano Landfill" listing, Stantec recommends that soil vapor be evaluated for methane with a field instrument from the same vapor probes that are recommended for the VOC vapor assessment within the stockpiled fill to confirm that unknown landfilling practices were not being performed onsite within the undocumented stockpile or at an unknown offsite location (i.e. San Juan Capistrano Landfill) in the area that could present a potential methane issue.

8.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

EVALUATION
May 16, 2017

Gap	Discussion
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	None
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	Stantec did not conduct an interview given the Property was a vacant lot with no structure or tenants. The lack of this information does not represent a significant data gap.
Other Data Gaps:	None

8.3 CONCLUSIONS

Stantec has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 of the referenced property located at the southwest corner of Calle Arroyo and Paseo Tirador in San Juan Capistrano, California, or the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) except for the following:

- **Historical Agricultural Use.** The historical use of the Property for cultivation of agricultural crops is a potential REC due to possibility of pesticide and metals-based herbicide residues in shallow soils above regulatory thresholds or human health risk criteria for residential use. Stantec recommends performing shallow soil sampling for pesticides, lead, and arsenic throughout the Property where agricultural activities were performed.
- **Undocumented Fill (with the addition of methane sampling).** The presence of undocumented fill in the southern portion of the Property is a REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. A previous geotechnical report performed for the Property also indicates that artificial fill was found elsewhere on the Property. Stantec recommends that composite soil samples be collected to evaluate the fill for potential soil impacts. It is recommended that these composite samples of the import fill be analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), metals, and pesticides. If the soil analysis indicates that the stockpiled fill contains contaminants of concern above regulatory thresholds or health risk screening levels, further assessment may be necessary for the remainder of the Property where artificial fill was documented by the previous geotechnical report.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

EVALUATION
May 16, 2017

Additionally, Stantec recommends that soil vapor samples be collected from this stockpiled fill for VOCs. As a conservative measure with regard to the "San Juan Capistrano Landfill" listing, Stantec also recommends that soil vapor be evaluated for methane with a field instrument from the same vapor probes that are recommended for the VOC vapor assessment within the stockpiled fill to confirm that unknown landfilling practices were not being performed onsite within the undocumented stockpile or at an unknown offsite location in the area that could present a potential methane issue.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

NON-SCOPE CONSIDERATIONS

May 16, 2017

9.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

9.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

- The age of the dwelling as follows: maximum risk is from paint applied before 1950.

- There is severe risk from paint applied before 1960.

- There is moderate risk from deteriorated paint applied before 1970.

- There is slight risk from the paint that is intact but applied before 1977.

- The condition of the painted surfaces.

- The presence of children and certain types of households in the building.

- Previously reported cases of lead poisoning in the building or area.

Due to the lack of structures on the Property other than the water well house, lead-based paint does not represent an environmental concern to the Property. The water well house is not a part of the development, and based on information provided to Stantec, will remain in its present state.

9.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

NON-SCOPE CONSIDERATIONS

May 16, 2017

There are no structures at the Property. Therefore, asbestos does not represent an environmental concern.

9.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

The County of Orange is located in an area designated as a Radon Zone Level 3 with a predicted average indoor screening level less than 2 pCi/L. Recent radon data provided in the EDR Radius Map with Geoscheck report indicated that only 4 of 41 sites in the 92675 zip code (San Juan Capistrano) reported concentrations greater than 4 pCi/L. The average radon concentration for the County of Orange was 0.500 pCi/L for the 1st floor living area. Based on this data, radon is unlikely to represent an environmental concern to the Property and Stantec recommends no further investigation regarding this issue.

9.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 100-year flood zone. The nearest Surface Water is San Juan Creek, located adjacent to the southeast of the Property.

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

REFERENCES

May 16, 2017

10.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2017, website <http://maps.conservation.ca.gov/doms/index.html>

California Department of Toxic Substances Control (DTSC), ENVIROSTOR Database, <http://www.envirostor.dtsc.ca.gov>

California Geological Survey (CGS), 2002, California Geomorphic Provinces, Note 36.

_____, 2010a, Fault Activity Map of California, adjustable scale, <http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html>.

_____, 2010b, Alquist-Priolo Earthquake Fault Zones of California, http://www.quake.ca.gov/gmaps/ap/ap_maps.htm.

California State Water Resources Control Board (SWRCB), GeoTracker Database, <http://geotracker.waterboards.ca.gov>

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 4922940.2s, dated May 1, 2017.

_____, Certified Sanborn Map Report, Inquiry Number 4922940.3, dated May 1, 2017.

_____, Historical Topographic Map Report, Inquiry Number 4922940.4, dated May 1, 2017.

_____, Aerial Photo Decade Package, Inquiry Number 4922940.9, dated May 2, 2017.

_____, City Directory Abstract, Inquiry Number 4922940.5, dated May 2, 2017.

Land America Assessment Corporation (LAAC), 2006, Phase I Environmental Site Assessment, Undeveloped Land, APNs 666-131-009, 015, and 016, SWC of Calle Arroyo and Paseo Tirador, San Juan Capistrano, dated October 31.

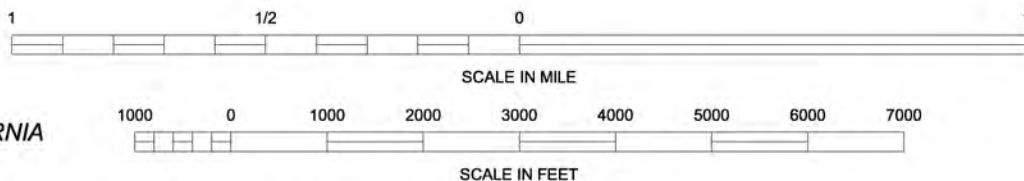
**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

FIGURES

FIGURES



CALIFORNIA



REFERENCE: USGS 7.5 X 15 MINUTE QUADRANGLE; DANA POINT, 1975, AND SAN JUAN CAPISTRANO 1981.



25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA
PH (909) 335-6116 FAX (909) 335-6120

FOR:

WATT COMMUNITIES LLC
SOUTHWEST CORNER OF
CALLE ARROYO AND PASEO TIRADOR,
SAN JUAN CAPISTRANO, CALIFORNIA

JOB NUMBER:
185803925

DRAWN BY:
JS

CHECKED BY:
DM

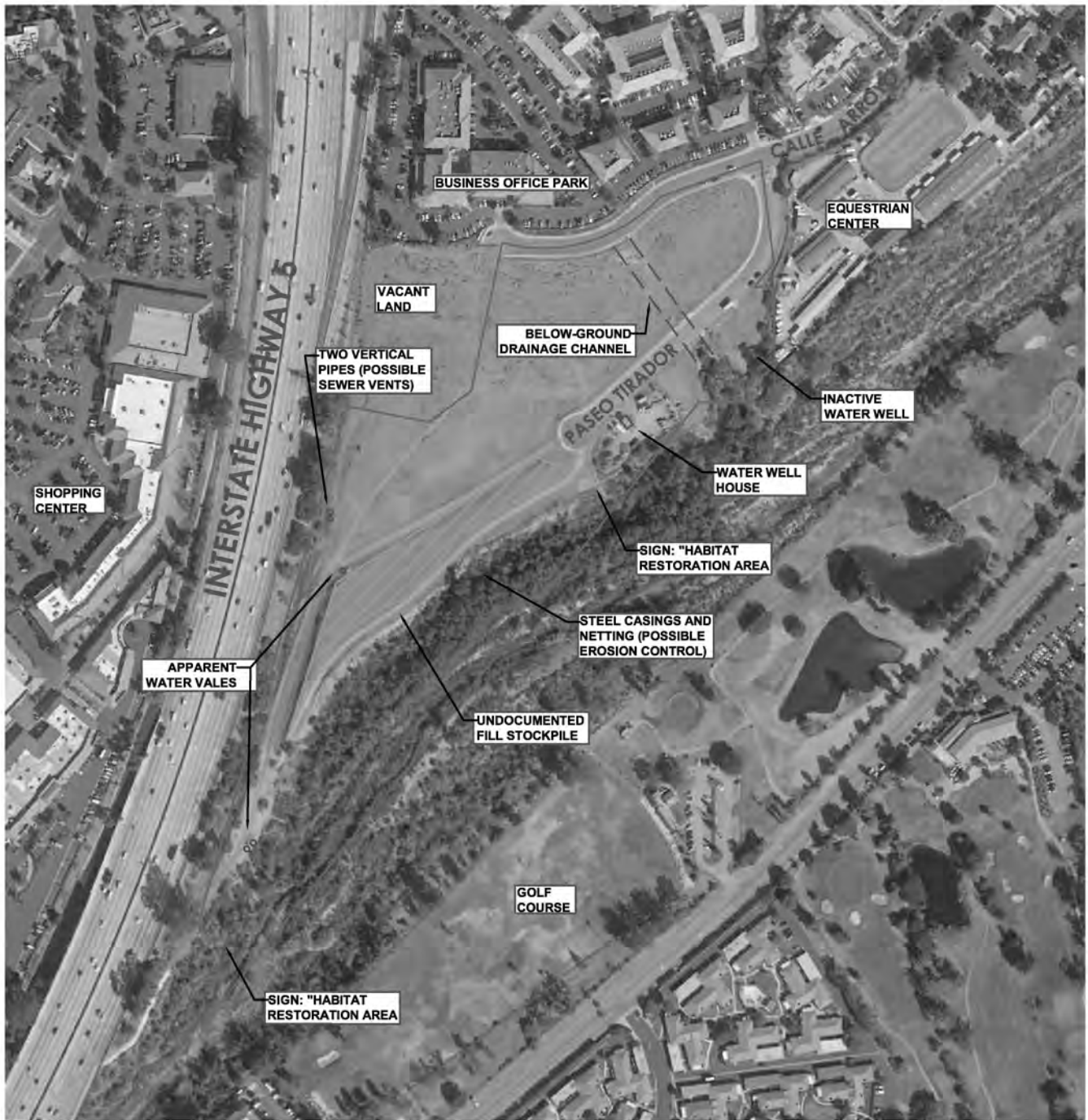
APPROVED BY:
KE

FIGURE:

1

DATE:
05/12/17

SITE LOCATION MAP



0 250 500



APPROXIMATE SCALE (FEET)

LEGEND:

— PROPERTY BOUNDARY



25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA
PH (909) 335-6116 FAX (909) 335-6120

FOR:

WATT COMMUNITIES
SOUTHWEST CORNER OF
CALLE ARROYO AND PASEO TIRADOR,
SAN JUAN CAPISTRANO, CALIFORNIA

JOB NUMBER:
185803925

DRAWN BY:
JS

CHECKED BY:
DM

APPROVED BY:
KE

FIGURE:

2

DATE:
05/12/17

PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675

Appendix A – Photographs of the Property and Vicinity

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 1



Facing south, down Paseo Tirador, from the northeast corner of the Property.

Photograph No. 2



Facing west, down Calle Arroyo, from the northeast corner of the Property.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 3



Facing south at the northwest corner of the Property.

Photograph No. 4



Facing north from the western portion of the Property.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 5



Facing south along the western Property boundary.

Photograph No. 6



View of two vertical pipes and a manhole covering which appear to be related to a sewer line at the Property.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 7



Facing north from the narrow, southern portion of the Property. Bike/pedestrian trail and sewer manhole on the left hand side of the photograph.

Photograph No. 8



Belowground utility markers and valves.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 9



Facing south from the cul-de-sac of Paseo Tirador. To the left of the bike/pedestrian trail is the area of the undocumented fill pile.

Photograph No. 10



Facing south, standing on top of the undocumented fill pile..

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 11



View of water well house in the northeast portion of the Property.

Photograph No. 12



Steel casings and netting that appeared to be for erosion control along the adjoining creek embankment.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 13



Inactive water well in the northeastern portion of the Property.

Photograph No. 14



View of adjacent office business park to the north.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Watt Communities, LLC

Job Number: 185803925

Site Name: San Juan Capistrano

Location: SWC of Calle Arroyo and Paseo
Tirador, San Juan Capistrano, CA

Photographer: Dion Monge

Date: May 3, 2017

Photograph No. 15



Adjoining equestrian center to the east/northeast.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Appendix B – Stantec Resumes

Appendix B STANTEC RESUMES

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

Indoor Air Quality Assessments*, San Jose, California (Staff)

Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)

Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

* denotes projects completed with other firms

Alicia R Jansen CAC, LSCS

Environmental Scientist

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)

Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)

Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)

Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility.

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)

Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)

Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

Remedial Investigations & Assessments

Hewlett-Packard Company Phase I ESAs, Cupertino, Palo Alto, and Mountain View, California

Alicia performed Phase I Environmental Site Assessments (ESA) in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-05 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). She reviewed topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviewed present and former property owners and performed site and adjacent property reconnaissance.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

City Ventures, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

* denotes projects completed with other firms

Alicia R Jansen CAC, LHC57

Environmental Scientist

City Ventures, Phase I Environmental Site Assessments, Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

Confidential Client, Phase I Environmental Site Assessments, Multiple Sites, California (Project Lead)

Alicia performed Phase I ESAs for multiple research and development facilities in Silicon Valley. She reviewed topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviewed present and former property owners and performed site and adjacent property reconnaissance.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I Environmental Site Assessments (ESA) and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

* denotes projects completed with other firms

Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120), 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management

Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.

Project Management Oversight

Magnolia Plaza, Fountain Valley, California

Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.

Dion Monge

Project Scientist

Former Superb Dry Cleaners, Anaheim, California

Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.

Site Assessment

I-15/I-215 Interchange Improvements, San Bernardino County, California (Sampling Technician)

Dion helped conduct site investigations and surveys for potentially hazardous materials. His efforts supported Caltrans' plans to improve and widen the existing freeway lanes, entrance and exit ramps, and vehicle and railroad bridges along a 6-mile stretch of the I-15 and I-215 freeways in the Devore area of San Bernardino County. Dion's efforts included Environmental Evaluation of Recognized Environmental Concerns identified in ISAs

Highway 138 Environmental Investigations, San Bernardino County, California (Field Assessment and Reporting)

Dion helped complete hazardous material site investigations on five bridges along State Highway 138 along a 20-mile segment through portions of Los Angeles and San Bernardino Counties, California. The investigation was conducted in accordance with Caltrans protocols and was compliant with EPA's all appropriate inquiries guidance and ASTM Standard Practice E1527. He performed site reconnaissance, conducted regulatory and agency field reviews, and reviewed environmental databases and historical fire insurance, telephone directories, aerial photographs, topographic maps, and other environmental records for properties within one half mile of the proposed 20-mile segment of Highway 138. Dion compiled an report summarizing findings and identifying recognized environmental conditions.

Proposed Friends Christian High School, Yorba Linda, California

Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.

SR-58 Widening, San Bernardino County, California

Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.

Soil Sampling

Caltrans I-15, Task Order 28, Hesperia, California

Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developed for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson P.G. CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminants involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

* denotes projects completed with other firms

Kyle D. Emerson P.G., CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Emerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately \$2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The overall cost savings for the client was more than \$1 million. Total cost was less than \$250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

* denotes projects completed with other firms

Kyle D. Emerson P.G. CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)

Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was \$22 million. The case is settled and the closure of the site is pending.

Project Management

Liability and Property Management Consulting Services

Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development

Environmental Development Management and Review (Project Manager)

Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation

Design and Implementation of Biodegradation Programs*, California

Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems

Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manager)

Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*

Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*

Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial

Glendale Redevelopment Project, Glendale, California (Project Manager)

Kyle managed the assessment and remedial actions during the redevelopment of an industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was \$450,000.00.

* denotes projects completed with other firms

Kyle D. Emerson PG. CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been \$2.8 million to date.

* denotes projects completed with other firms

Kyle D. Emerson P.G., CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Appendix C – User Provided Records

Appendix C USER PROVIDED RECORDS



PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner*, *bona fide prospective purchaser*, or *contiguous property owner*, ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec along with the executed Authorization For services form.

1. Property Information

Property Name: Paseo Tirador

Property Address(es): _____

City: San Juan Capistrano State CA Zip 92675

Property Owner Name: San Juan Tirador, LLC (Ernie Rivas)

Property Owner Phone #: (949) 723-8989 ext. 104

2. Contact For Site Access

Name: Ernie Jackson

Company/Organization/Title: Watt Companies

Phone # (310) 314-5074 E-Mail Address: e.jackson@wattcompanies.com

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

_____ Yes _____ ☒ No

If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____ ☒ No

If yes, describe or attach details of the limitations _____

5. Specialized Knowledge or Experience. As the User of this ESA, 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, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____ ☒ No

If yes, describe or attach details of your specialized knowledge or experience _____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☒ Yes _____ No

If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ Not applicable. User is not involved in a purchase of the property.

7. Commonly Known or Reasonably Ascertainable Information. 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 of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____ Yes (describe) _____

☒ No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

_____ Yes (describe) _____

☒ No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

☐ Yes (describe) _____

☒ No

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

☐ Yes (describe) _____

☒ No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indicators that point to the presence or likely presence of contamination at the property?

☐ Yes (describe) _____

☒ No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

☒ Yes (describe) Draft Phase I by Land

America Assessment Corporation

☐ No

Signature: _____

Name (printed): Erin Jaelson

Title: Assistant V.P.

Date: 5/3/17

COMMITMENT FOR TITLE INSURANCE

Issued by

Fidelity National Title Insurance Company

Fidelity National Title Insurance Company, a California corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate 6 months after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

IN WITNESS WHEREOF, Fidelity National Title Insurance Company has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A.

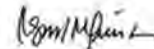
Countersigned by:



Authorized Signature



By:



Randy Guin, President

Attest:



Michael Graville, Secretary



Fidelity National Title Insurance Company

SCHEDULE A

Name and Address of Title Insurance Company: **Fidelity National Title Company**
1300 Dove Street, Suite 310
Newport Beach, CA 92660

Title Officer: **Mike Brinkman (MA)**

Escrow Officer: **Major Accounts OAC**

Order No.: **997-25000261-C-1MB**

1. Effective Date: **April 11, 2017 at 7:30 a.m., Amended April 24, 2017**
2. Policy or Policies to be issued: Amount
 - a. **CLTA Standard Coverage Policy (04-08-14)** **\$TBD**

Proposed Insured:

TBD
 - b. **None** **\$0.00**

Proposed Insured:
 - c. **None** **\$0.00**

Proposed Insured:
3. The estate or interest in the land described or referred to in this Commitment is:
A FEE
4. Title to the estate or interest in the land is at the Effective Date vested in:
SAN JUAN TIRADOR, LLC, a Delaware limited liability company
5. The land referred to in this Commitment is described as follows:
See Exhibit A attached hereto and made a part hereof.

EXHIBIT A**LEGAL DESCRIPTION**

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, BEING THOSE PORTIONS OF LOT 31 OF TRACT NO. 103, FILED IN BOOK 11, PAGES 29 THROUGH 35, INCLUSIVE OF MAPS, AND PARCEL 3 OF PARCEL MAP FILED IN BOOK 130, PAGE 27 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWESTERLY CORNER OF SAID PARCEL 3 ALSO BEING A POINT IN THE EASTERLY LINE OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN THE DIRECTOR'S DEED RECORDED IN BOOK 3441, PAGE 234 AS INSTRUMENT NO. D-2510 OF OFFICIAL RECORDS; THENCE SAID EASTERLY LINE THE FOLLOWING THREE (3) COURSES:

1. SOUTH 6° 50' 13" WEST 12.19 FEET TO A CURVE CONCAVE WESTERLY HAVING A RADIUS OF 5630.00 FEET;
2. SOUTHERLY 323.58 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 3° 17' 35" TO A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2750.00 FEET, A RADIAL LINE TO THE BEGINNING OF SAID CURVE BEARS SOUTH 79° 36' 40" EAST; AND
3. SOUTHERLY 40.51 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 0° 50' 39" TO THE TRUE POINT OF BEGINNING;

THENCE LEAVING SAID EASTERLY LINE SOUTH 81° 31' 00" EAST 192.92 FEET; THENCE NORTH 62° 31' 10" EAST 151.22 FEET; THENCE NORTH 8° 29' 00" EAST 276.43 FEET; THENCE NORTH 1° 39' 47" EAST 48.17 FEET TO THE NORTHERLY BOUNDARY OF SAID PARCEL 3; THENCE ALONG SAID BOUNDARY THE FOLLOWING NINE (9) COURSES:

1. SOUTH 88° 20' 13" EAST 111.61 FEET TO A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 250.00 FEET;
2. EASTERLY 196.35 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 45° 00' 00";
3. NORTH 46° 39' 47" EAST 21.02 FEET TO A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 250.00 FEET;
4. NORTHEASTERLY 109.08 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 25° 00' 00";
5. NORTH 71° 39' 47" EAST 191.96 FEET;
6. SOUTH 0° 20' 33" WEST 300.29 FEET;
7. NORTH 88° 45' 02" WEST 184.87 FEET;
8. SOUTH 0° 20' 33" WEST 237.30 FEET; AND
9. NORTH 88° 17' 17" WEST 233.27 FEET TO THE NORTHWESTERLY BOUNDARY OF A DEED RECORDED IN BOOK 3441, PAGE 234 OF OFFICIAL RECORDS OF SAID COUNTY;



EXHIBIT A
(Continued)

THENCE ALONG SAID BOUNDARY THE FOLLOWING TWO (2) COURSES:

1. SOUTH 1° 42' 43" WEST 291.41 FEET; AND
2. SOUTH 88° 17' 17" EAST 22.58 FEET TO THE SOUTHEASTERLY BOUNDARY OF SAID LOT 31;

THENCE ALONG SAID BOUNDARY THE FOLLOWING TWO (2) COURSES:

1. SOUTH 40° 09' 59" WEST 1357.89 FEET; AND
2. NORTH 40° 47' 18" WEST 54.75 FEET TO THE EASTERLY LINE OF CALTRANS DISTRICT 12 SURVEY REQUEST NO. 07-003 AS PRESENTLY FILED IN THE DISTRICT 12 LAND SURVEY OFFICE DATA CENTER;

THENCE ALONG THE EASTERLY LINE OF THE FOLLOWING SIX (6) COURSES:

1. NORTH 24° 37' 38" EAST 29.67 FEET;
2. NORTH 46° 17' 41" EAST 96.65 FEET;
3. NORTH 40° 47' 18" WEST 73.11 FEET TO A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 5630.00 FEET, A RADIAL LINE TO THE BEGINNING OF SAID CURVE BEARS SOUTH 67° 25' 48" EAST;
4. NORTHERLY 877.10 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 8° 55' 34";
5. NORTH 13° 38' 38" EAST 166.53 FEET TO A CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2750.00 FEET;
6. NORTHERLY 83° 15' FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 1° 43' 57" TO THE TRUE POINT OF BEGINNING.

SAID LAND IS SHOWN AS PARCEL 1 OF LOT LINE ADJUSTMENT LLA 14-003 RECORDED DECEMBER 21, 2016 AS INSTRUMENT NO. 2016000649365 OF OFFICIAL RECORDS.

EXCEPT FROM THAT PORTION OF SAID LAND DESCRIBED IN THE DEED RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS, ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LAND OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LAND, AS RESERVED IN DEED

EXHIBIT A
(Continued)

FROM CARL L. STROSCHIN AND OTHERS, RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL MINERALS, OILS, GASES AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, NOT OTHERWISE RESERVED, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, WITHOUT, HOWEVER, THE RIGHT TO DRILL, DIG OR MINE THROUGH THE SURFACE OR THE UPPER 500 FEET THEREOF, AS RESERVED IN THE DEED FROM THE STATE OF CALIFORNIA, RECORDED IN BOOK 11244, PAGE 1165 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL OIL, OIL RIGHTS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREIN-ABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LANDS, RECORDED IN BOOK 4110, PAGE 525 OF OFFICIAL RECORDS.

APN(s): PORTIONS OF 666-131-09; 666-131-15 AND 666-131-16

PARCEL B:

BEGINNING AT THE NORTHEAST CORNER OF LOT 32 OF TRACT NO. 103, AS SHOWN ON A MAP RECORDED IN BOOK 11, PAGES 29, 30, 31, 32 AND 33 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA; RUNNING THENCE NORTH 0° 29' WEST 237.46 FEET; THENCE NORTH 89° 30' WEST 183.46 FEET; THENCE SOUTH 0° 29' EAST 237.46 FEET; THENCE SOUTH 89° 30' EAST 183.46 FEET TO THE POINT OF BEGINNING CONTAINING 1 ACRE, MORE OR LESS.,

EXCEPTING THEREFROM ANY PORTION INCLUDED WITHIN THE FOLLOWING:

BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTH LINE OF SECTION 6, TOWNSHIP 8 SOUTH, RANGE 7 WEST, SAN BERNARDINO BASE & MERIDIAN, WITH THE SOUTHEASTERLY LINE OF MISSION TRACT NO. 5, WHICH POINT IS DISTANT SOUTH 89° 30' EAST 279.13 FEET FROM THE SOUTHWEST, CORNER OF THE ABOVE MENTIONED SECTION 6; RUNNING THENCE NORTH 39° 57' EAST 9.07 FEET ALONG THE SOUTHEASTERLY LINE OF SAID MISSION TRACT NO. 5; THENCE LEAVING THE EAST LINE OF MISSION TRACT NO. 5 AND RUNNING SOUTH 89° 03' EAST 895.12 FEET TO A LARGE WILLOW TREE ON THE SOUTH LINE OF THE ABOVE MENTIONED SECTION 6; THENCE NORTH 89° 30' WEST 900.85 FEET ALONG THE SOUTH LINE OF SAID SECTION 6, TO THE POINT OF BEGINNING.

APN: 666-131-07; 666-131-13 AND 666-131-14



SCHEDULE B – SECTION I

REQUIREMENTS

- (A) Pay the agreed amounts for the interest in the Land and/or the Mortgage to be insured.
- (B) Pay Us the premiums, fees and charges for the Policy.
- (C) Documents Satisfactory to Us creating the interest in the Land and/or the Mortgage to be insured must be signed, delivered and recorded.
- (D) You must tell us in writing the name of anyone not referred to in this commitment who will get an interest in the Land or who will make a loan on the Land. We may then make additional requirements or exceptions.
- (E) Release(s) or Reconveyance(s) of Item No(s). 26.
- (F) The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from the entity named below:

Limited Liability Company: San Juan Tirador, LLC, a Delaware limited liability company

- a) A copy of its operating agreement, if any, and any and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member
- b) If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendments thereto with the appropriate filing stamps
- c) If the Limited Liability Company is member-managed, a full and complete current list of members certified by the appropriate manager or member
- d) If the Limited Liability Company was formed in a foreign jurisdiction, evidence, satisfactory to the Company, that it was validly formed, is in good standing and authorized to do business in the state of origin
- e) If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

- (G) In order to complete this report, the Company requires a Statement of Information to be completed by the following party(s).

Party(s): All Parties

The Company reserves the right to add additional items or make further requirements after review of the requested Statement of Information.

NOTE: The Statement of Information is necessary to complete the search and examination of title under this order. Any title search includes matters that are indexed by name only, and having a completed Statement of Information assists the Company in the elimination of certain matters which appear to involve the parties but in fact affect another party with the same or similar name. Be assured that the Statement of Information is essential and will be kept strictly confidential to this file.

SCHEDULE B – Section I
(Continued)

- (H) Unrecorded matters which may be disclosed by an Owner's Affidavit or Declaration. A form of the Owner's Affidavit/Declaration is attached to this Preliminary Report/Commitment. This Affidavit/Declaration is to be completed by the record owner of the land and submitted for review prior to the closing of this transaction. Your prompt attention to this requirement will help avoid delays in the closing of this transaction. Thank you.

The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit/Declaration.

END OF SCHEDULE B – SECTION I

SCHEDULE B – SECTION II**EXCEPTIONS**

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

- A. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the Effective Date but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.
- AA. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2017-2018.
- B. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	666-131-07
Fiscal Year:	2016-2017
1st Installment:	\$988.38, paid.
2nd Installment:	\$988.38, open (Delinquent after April 10)
Penalty and Cost:	\$121.83
Homeowners Exemption:	\$0.00
Code Area:	23-012
- C. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	666-131-09
Fiscal Year:	2016-2017
1st Installment:	\$47,747.16, PAID
2nd Installment:	\$47,747.16, OPEN (Delinquent after April 10)
Penalty and Cost:	\$4,797.71
Homeowners Exemption:	\$0.00
Code Area:	23-012
- D. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	666-131-13
Fiscal Year:	2016-2017
1st Installment:	\$3,828.85, paid.
2nd Installment:	\$3,828.85, open (Delinquent after April 10)
Penalty and Cost:	\$405.88
Homeowners Exemption:	\$0.00
Code Area:	23-012

SCHEDULE B – Section II
(Continued)

- E. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.: 666-131-14
 Fiscal Year: 2016-2017
 1st Installment: \$200.14, paid.
 2nd Installment: \$200.14, open (Delinquent after April 10)
 Penalty and Cost: \$43.01
 Homeowners Exemption: \$0.00
 Code Area: 23-012

- F. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.: 666-131-15
 Fiscal Year: 2016-2017
 1st Installment: \$34,024.22, PAID
 2nd Installment: \$34,024.22, OPEN (Delinquent after April 10)
 Penalty and Cost: \$3,425.42
 Homeowners Exemption: \$0.00
 Code Area: 23-012

- G. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.: 666-131-16
 Fiscal Year: 2016-2017
 1st Installment: \$552.89, PAID
 2nd Installment: \$552.89, OPEN (Delinquent after April 10)
 Penalty and Cost: \$78.28
 Homeowners Exemption: \$0.00
 Code Area: 23-012

- H. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Chapter 3.5 (commencing with Section 75) of the Revenue and Taxation Code of the State of California as a result of changes in ownership or new construction on or after the date of the policy. No such taxes or assessments are due or payable at the date of the policy.

- I. The herein described property lies within the boundaries of a Mello-Roos Community Facilities District (CFD) as follows:

CFD No: 2008-1
 For: The purpose of financing the purchase, construction, expansion, improvement or rehabilitation of certain real or other tangible property
 Disclosed by: Notice of Special Tax Lien For Community Facilities District No. 2008-1 of the City of San Juan Capistrano (Ventanas Business Center)
 Recording Date: September 22, 2008
 Recording No.: 2008000442740, Official Records

This property, along with all other parcels in the CFD, is liable for an annual special tax. This special tax is included with and payable with the general property taxes of the City of San Juan Capistrano, County of Orange. The tax may not be prepaid.

SCHEDULE B – Section II (Continued)

1. Water rights, claims or title to water, whether or not disclosed by the public records.
2. The rights and rights of way as conveyed to Capistrano Water Company, by deed recorded July 12, 1901, in Book 71, Page 49, of Deeds.
3. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Orange County Flood Control District
Purpose:	Channel purposes, and the right to construct, operate and maintain a channel
Recording No:	<u>Book 924, Page 178, Official Records</u>
Affects:	The Southeasterly portion of Parcel A and B.
4. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Orange County Flood Control District
Purpose:	Flood control
Recording Date:	July 12, 1954
Recording No:	<u>Book 2768, Page 564, Official Records</u>
Affects:	A strip of land 40 feet wide, within Parcel A, lying along and adjacent to and Northwesterly of the Northwesterly line of the 250-foot right of way, described in deed recorded in Book 924, Page 178, Official Records
5. A waiver, of any claims for damages, by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway or roadway, in favor of the State of California, as contained in the document recorded July 16, 1940, in Book 1047, Page 475, Official Records.
6. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	San Diego Gas & Electric Company
Purpose:	Poles, wires, guys, anchorage, crossarms
Recording No:	<u>Book 1468, Page 219, Official Records</u>
Affects:	The Southwesterly portion of said land.

Note: Said instrument provides that the route of poles shall be immediately adjacent to the Southwesterly line of said Parcel.
7. The ownership of said Land does not include rights of access to or from the street, highway, or freeway abutting said Land, such rights having been relinquished by the document,

Recording Date:	March 29, 1957
Recording No:	<u>Book 3854, Page 39, Official Records</u>
8. A reservation, by the State of California, in deed recorded March 23, 1964, in Book 6973, Page 55, Official Records, which recites:

"Excepting and reserving unto the State of California, any and all rights of ingress to or egress from the land herein conveyed, over and across the Westerly lines thereof.

It is the purposes of the foregoing exception and reservation to provide that no easement of access shall attach or be appurtenant to the property hereby conveyed, by reason of the fact that the same abuts upon a state highway."

SCHEDULE B – Section II
(Continued)

9. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: County of Orange
Purpose: Pipe line
Recording No: Book 8133, Page 8, Official Records
Affects: The Westerly 20 feet of Parcel A.

10. Waiver of any claims for damages to said Land by reason of the location, construction, landscaping or maintenance of the street or highway adjoining said Land, as contained in the deed to the State of California, in Book 8220, Page 658, Official Records.

11. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Orange County Water District No. 4
Purpose: Water pipe line
Recording No: Book 8870, Page 894, Official Records
Affects: A portion of Parcel A

Note: Excepting and reserving unto the State of California, any and all rights of ingress to or egress from the easement area herein conveyed, over and across the Southerly and Westerly lines thereof.

12. The ownership of said Land does not include rights of access to or from the street, highway, or freeway abutting said Land, such rights having been relinquished by the document,

Recording Date: September 17, 1974
Recording No: Book 11244, Page 1165, Official Records

13. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The State of California
Purpose: Sewers
Recording Date: September 17, 1974
Recording No: Book 11244, Page 1165, Official Records
Affects: A portion of Parcel A and Parcel B.

14. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
Purpose: Sanitary sewer
Recording Date: February 22, 1983
Recording No: 83-079765, Official Records
Affects: A portion of Parcel A.

Note: A portion of the easement above was quitclaimed by an instrument recorded October 28, 2003, Instrument No. 2003001324145, Official Records.

SCHEDULE B – Section II
(Continued)

15. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
Purpose: Storm drain
Recording Date: February 22, 1983
Recording No: 83-079767, Official Records
Affects: A portion of Parcel A.

16. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
Purpose: Parkland
Recording Date: February 22, 1983
Recording No: 83-079768, Official Records
Affects: A portion of Parcel A.

17. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document.

Redevelopment Agency: San Juan Capistrano Central Redevelopment Project Area
Recording Date: July 13, 1983
Recording No: 83-301250, Official Records

Document(s) declaring modifications thereof recorded May 22, 1984, Instrument No. 212085, Official Records.

18. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Capistrano Valley Water District, a public corporation
Purpose: Water transmission
Recording Date: May 8, 1995
Recording No: 95-0196400, Official Records
Affects: A portion of Parcel A.

A document entitled "Quitclaim of Temporary Construction Easement Parcel "B" of Document No. 95-0196400", recorded October 28, 2003, Instrument No. 2003001324143, Official Records.

19. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
Purpose: Sanitary sewer
Recording Date: May 9, 1995
Recording No: 95-0198568, Official Records
Affects: A portion of Parcel A

SCHEDULE B – Section II
(Continued)

20. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano, a public corporation
 Purpose: Water pipelines
 Recording Date: October 28, 2003
 Recording No: 2003001324146, Official Records
 Affects: A portion of Parcel A.

21. INTENTIONALLY DELETED

22. Easements, covenants and conditions contained in the deed from Capistrano Acres Mutual Water Company, a California corporation, as grantor, to Ortega Land Company LLC, a California limited liability company, as grantee, recorded May 4, 2006, Instrument No. 2006000303186, Official Records.

Reference is made to said document for full particulars.

23. Easements, covenants and conditions contained in the deed from Ortega Land Company LLC, a California limited liability company, as grantor, to LB/Centra Tirador, LLC, a Delaware limited liability company, as grantee, recorded December 1, 2006, Instrument No. 2006000808893, Official Records.

Reference is made to said document for full particulars.

24. Matters contained in that certain document

Entitled: Access Easement Agreement
 Dated: September 30, 2008
 Executed by: LB/Centra Tirador, LLC, a Delaware limited liability company and St. Margaret's Episcopal School, a California public benefit corporation
 Recording Date: March 3, 2009
 Recording No: 2009000099648, Official Records

Reference is hereby made to said document for full particulars.

25. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease
 Lessor: San Juan Tirador, LLC, a Delaware limited liability company
 Lessee: 24 Hour Fitness USA, Inc., a California corporation
 Recording Date: September 15, 2014
 Recording No: 2014000371698, Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

SCHEDULE B – Section II
(Continued)

26. A deed of trust to secure an indebtedness in the amount shown below,

Amount: \$12,000,000.00
 Dated: January 7, 2015
 Trustor/Grantor: San Juan Tirador, LLC, a Delaware limited liability company
 Trustee: Farmers and Merchants Trust Company of Long Beach, a California corporation
 Beneficiary: Farmers & Merchants Bank of Long Beach, a California corporation
 Loan No.: 90-101-8491-9
 Recording Date: January 12, 2015
 Recording No: 2015000009912, Official Records

Affects: The herein described Land and other land.

27. A financing statement as follows:

Debtor: San Juan Tirador, LLC
 Secured Party: Farmers & Merchants Bank of Long Beach
 Recording Date: January 12, 2015
 Recording No: 2015000009913, Official Records

Affects: The herein described Land and other land.

28. Subordination, Nondisturbance and Attornment Agreement, and the terms and conditions thereof:

Lender: Farmers & Merchants Bank of Long Beach, a California corporation
 Tenant: 24 Hour Fitness USA, Inc., a California corporation
 Landlord: San Juan Tirador, LLC, a Delaware limited liability company
 Recording Date: April 22, 2015
 Recording No: 2015000203956, Official Records

29. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

30. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

31. Any right, interest or claim that may exist, arise or be asserted against the Title under or pursuant to the Perishable Agricultural Commodities Act of 1930, as amended, 7 USC 499a et seq., the Packers and Stockyard Act of 1921, as amended, 7 USC 181 et seq., or any similar state laws.

SCHEDULE B – Section II
(Continued)

32. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: San Diego Gas and Electric Company
 Purpose: Pole lines
 Recording Date: January 7, 1957
 Recording No: in Book 3762, Page 58, Official Records
 Affects: A portion of Parcel B

33. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
 Purpose: A sewer pipe line
 Recording Date: August 11, 1965
 Recording No: in Book 7626, Page 831, Official Records
 Affects: A portion of Parcel B

34. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
 Purpose: A 60 foot wide storm drain
 Recording Date: August 12, 1986
 Recording No: 86-357929, Official Records
 Affects: A portion of Parcel B

35. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: The City of San Juan Capistrano
 Purpose: Access and storm drain maintenance
 Recording Date: August 12, 1986
 Recording No: 86-357930, Official Records
 Affects: A portion of Parcel B

END OF SCHEDULE B – SECTION II

NOTES

Note 1: Notwithstanding anything to the contrary in this Commitment, if the policy to be issued is other than an ALTA Owner's Policy (6/17/06) or ALTA Loan Policy (6/17/06), the policy may not contain an arbitration clause, or the terms of the arbitration clause may be different from those set forth in this Commitment. If the policy does contain an arbitration clause, and the Amount of Insurance is less than the amount, if any, set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the options of either the Company or the Insured as the exclusive remedy of the parties.

Note 2: The only conveyance(s) affecting said Land, which recorded within 24 months of the date of this report, are as follows:

Grantor:	San Juan Tirador, LLC, a Delaware limited liability company
Grantee:	San Juan Tirador, LLC, a Delaware limited liability company
Recording Date:	December 21, 2016
Recording No:	<u>2016000649366 of Official Records</u>

END OF NOTES

CONDITIONS

1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions.
3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
5. The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at <<http://www.alta.org/>>.

OWNER'S DECLARATION

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)
 - a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 997-25000261-C-1MB for full legal description (the "Land").
 - b. Declarant is the _____ of _____ ("Owner"), which is the owner or lessee, as the case may be, of certain premises located at _____, further described as follows: See Preliminary Report/Commitment No. 997-25000261-C-1MB for full legal description (the "Land").
2. (Fill in the applicable paragraph and strike the other)
 - a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.
 - b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of \$_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Fidelity National Title Insurance Company against any and all claims arising therefrom.
3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.
4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, claims of lien, special assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records.
5. The Land is currently in use as _____; _____ occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land: _____
6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.
7. There are no outstanding options to purchase or rights of first refusal affecting the Land.
8. That, to the best of Owners knowledge, (i) the covenants and restrictions, if any, shown in the Commitment have not been violated by the erection of the improvements on the Property or the use of the Property or the use of the Property, (ii) there are no known facts which would cause such violation, and (iii) Owner has not received any notices of any violations thereof.

This declaration is made with the intention that Fidelity National Title Insurance Company (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on ____ at _____.

Signature: _____

FIDELITY NATIONAL FINANCIAL

PRIVACY NOTICE

At Fidelity National Financial, Inc., we respect and believe it is important to protect the privacy of consumers and our customers. This Privacy Notice explains how we collect, use, and protect any information that we collect from you, when and to whom we disclose such information, and the choices you have about the use of that information. A summary of the Privacy Notice is below, and we encourage you to review the entirety of the Privacy Notice following this summary. You can opt-out of certain disclosures by following our opt-out procedure set forth at the end of this Privacy Notice.

<p>Types of Information Collected. You may provide us with certain personal information about you, like your contact information, address demographic information, social security number (SSN), driver's license, passport, other government ID numbers and/or financial information. We may also receive browsing information from your Internet browser, computer and/or mobile device if you visit or use our websites or applications.</p>	<p>How Information is Collected. We may collect personal information from you via applications, forms, and correspondence we receive from you and others related to our transactions with you. When you visit our websites from your computer or mobile device, we automatically collect and store certain information available to us through your Internet browser or computer equipment to optimize your website experience.</p>
<p>Use of Collected Information. We request and use your personal information to provide products and services to you, to improve our products and services, and to communicate with you about these products and services. We may also share your contact information with our affiliates for marketing purposes.</p>	<p>When Information Is Disclosed. We may disclose your information to our affiliates and/or nonaffiliated parties providing services for you or us, to law enforcement agencies or governmental authorities, as required by law, and to parties whose interest in title must be determined.</p>
<p>Choices With Your Information. Your decision to submit information to us is entirely up to you. You can opt-out of certain disclosure or use of your information or choose to not provide any personal information to us.</p>	<p>Information From Children. We do not knowingly collect information from children who are under the age of 13, and our website is not intended to attract children.</p>
<p>Privacy Outside the Website. We are not responsible for the privacy practices of third parties, even if our website links to those parties' websites.</p>	<p>International Users. By providing us with you information, you consent to its transfer, processing and storage outside of your country of residence, as well as the fact that we will handle such information consistent with this Privacy Notice.</p>
<p>The California Online Privacy Protection Act. Some FNF companies provide services to mortgage loan servicers and, in some cases, their websites collect information on behalf of mortgage loan servicers. The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through those websites.</p>	
<p>Your Consent To This Privacy Notice. By submitting information to us or by using our website, you are accepting and agreeing to the terms of this Privacy Notice.</p>	<p>Access and Correction; Contact Us. If you desire to contact us regarding this notice or your information, please contact us at privacy@fnf.com or as directed at the end of this Privacy Notice.</p>

FIDELITY NATIONAL FINANCIAL, INC. PRIVACY NOTICE

Fidelity National Financial, Inc. and its majority-owned subsidiary companies providing title insurance, real estate- and loan-related services (collectively, "FNF", "our" or "we") respect and are committed to protecting your privacy. We will take reasonable steps to ensure that your Personal Information and Browsing Information will only be used in compliance with this Privacy Notice and applicable laws. This Privacy Notice is only in effect for Personal Information and Browsing Information collected and/or owned by or on behalf of FNF, including Personal Information and Browsing Information collected through any FNF website, online service or application (collectively, the "Website").

Types of Information Collected

We may collect two types of information from you: Personal Information and Browsing Information.

Personal Information. FNF may collect the following categories of Personal Information:

- contact information (e.g., name, address, phone number, email address);
- demographic information (e.g., date of birth, gender, marital status);
- social security number (SSN), driver's license, passport, and other government ID numbers;
- financial account information; and
- other personal information needed from you to provide title insurance, real estate- and loan-related services to you.

Browsing Information. FNF may collect the following categories of Browsing Information:

- Internet Protocol (or IP) address or device ID/UDID, protocol and sequence information;
- browser language and type;
- domain name system requests;
- browsing history, such as time spent at a domain, time and date of your visit and number of clicks;
- http headers, application client and server banners; and
- operating system and fingerprinting data.

How Information is Collected

In the course of our business, we may collect *Personal Information* about you from the following sources:

- applications or other forms we receive from you or your authorized representative;
- the correspondence you and others send to us;
- information we receive through the Website;
- information about your transactions with, or services performed by, us, our affiliates or nonaffiliated third parties; and
- information from consumer or other reporting agencies and public records maintained by governmental entities that we obtain directly from those entities, our affiliates or others.

If you visit or use our Website, we may collect *Browsing Information* from you as follows:

- **Browser Log Files.** Our servers automatically log each visitor to the Website and collect and record certain browsing information about each visitor. The Browsing Information includes generic information and reveals nothing personal about the user.
- **Cookies.** When you visit our Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. When you visit a website again, the cookie allows the website to recognize your computer. Cookies may store user preferences and other information. You can choose whether or not to accept cookies by changing your Internet browser settings, which may impair or limit some functionality of the Website.

Use of Collected Information

Information collected by FNF is used for three main purposes:

- To provide products and services to you or any affiliate or third party who is obtaining services on your behalf or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you and to inform you about our, our affiliates' and third parties' products and services, jointly or independently.

When Information Is Disclosed

We may provide your Personal Information (excluding information we receive from consumer or other credit reporting agencies) and Browsing Information to various individuals and companies, as permitted by law, without obtaining your prior authorization. Such laws do not allow consumers to restrict these disclosures. Please see the section "Choices With Your Personal Information" to learn how to limit the discretionary disclosure of your Personal Information and Browsing Information.

Disclosures of your Personal Information may be made to the following categories of affiliates and nonaffiliated third parties:

- to third parties to provide you with services you have requested, and to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to our affiliate financial service providers for their use to market their products or services to you;
- to nonaffiliated third party service providers who provide or perform services on our behalf and use the disclosed information only in connection with such services;

- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to market financial products or services to you;
- to law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoena or court order;
- to lenders, lien holders, judgment creditors, or other parties claiming an interest in title whose claim or interest must be determined, settled, paid, or released prior to closing; and
- other third parties for whom you have given us written authorization to disclose your Personal Information.

We may disclose Personal Information and/or Browsing Information when required by law or in the good-faith belief that such disclosure is necessary to:

- comply with a legal process or applicable laws;
- enforce this Privacy Notice;
- investigate or respond to claims that any material, document, image, graphic, logo, design, audio, video or any other information provided by you violates the rights of a third party; or
- protect the rights, property or personal safety of FNF, its users or the public.

We maintain reasonable safeguards to keep your Personal Information secure. When we provide Personal Information to our affiliates or third party service providers as discussed in this Privacy Notice, we expect that these parties process such information in compliance with our Privacy Notice or in a manner that is in compliance with applicable privacy laws. The use of your information by a business partner may be subject to that party's own Privacy Notice. Unless permitted by law, we do not disclose information we collect from consumer or credit reporting agencies with our affiliates or others without your consent.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of our bankruptcy, reorganization, insolvency, receivership or an assignment for the benefit of creditors. You expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings. We cannot and will not be responsible for any breach of security by a third party or for any actions of any third party that receives any of the information that is disclosed to us.

Choices With Your Information

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you. The uses of your Personal Information and/or Browsing Information that, by law, you cannot limit, include:

- for our everyday business purposes – to process your transactions, maintain your account(s), to respond to law
- enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court
- orders, or report to credit bureaus;
- for our own marketing purposes;
- for joint marketing with financial companies; and
- for our affiliates' everyday business purposes – information about your transactions and experiences.

You may choose to prevent FNF from disclosing or using your Personal Information and/or Browsing Information under the following circumstances ("opt-out"):

- for our affiliates' everyday business purposes – information about your creditworthiness; and
- for our affiliates to market to you.

To the extent permitted above, you may opt-out of disclosure or use of your Personal Information and Browsing Information by notifying us by one of the methods at the end of this Privacy Notice. We do not share your personal information with non-affiliates for their direct marketing purposes.

For California Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties, except as permitted by California law. Currently, our policy is that we do not recognize "do not track" requests from Internet browsers and similar devices.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not share your Personal Information and Browsing Information with nonaffiliated third parties, except as permitted by Vermont law, such as to process your transactions or to maintain your account. In addition, we will not share information about your creditworthiness with our affiliates except with your authorization. For joint marketing in Vermont, we will only disclose your name, contact information and information about your transactions.

Information From Children

The Website is meant for adults and is not intended or designed to attract children under the age of thirteen (13). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian. By using the Website, you affirm that you are over the age of 13 and will abide by the terms of this Privacy Notice.

Privacy Outside the Website

The Website may contain links to other websites. FNF is not and cannot be responsible for the privacy practices or the content of any of those other websites.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States or are a citizen of the European Union, please note that we may transfer your Personal Information and/or Browsing Information outside of your country of residence or the European Union for any of the purposes described in this Privacy Notice. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection and transfer of such information in accordance with this Privacy Notice.

The California Online Privacy Protection Act

For some FNF websites, such as the Customer CareNet ("CCN"), FNF is acting as a third party service provider to a mortgage loan servicer. In those instances, we may collect certain information on behalf of that mortgage loan servicer via the website. The information which we may collect on behalf of the mortgage loan servicer is as follows:

- first and last name;
- property address;
- user name and password;
- loan number;
- social security number - masked upon entry;
- email address;
- three security questions and answers; and
- IP address.

The information you submit through the website is then transferred to your mortgage loan servicer by way of CCN. **The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through this website. For example, if you believe that your payment or user information is incorrect, you must contact your mortgage loan servicer.**

CCN does not share consumer information with third parties, other than (1) those with which the mortgage loan servicer has contracted to interface with the CCN application, or (2) law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders. All sections of this Privacy Notice apply to your interaction with CCN, except for the sections titled "Choices with Your Information" and "Access and Correction." If you have questions regarding the choices you have with regard to your personal information or how to access or correct your personal information, you should contact your mortgage loan servicer.

Your Consent To This Privacy Notice

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information by us in compliance with this Privacy Notice. Amendments to the Privacy Notice will be posted on the Website. Each time you provide information to us, or we receive information about you, following any amendment of this Privacy Notice will signify your assent to and acceptance of its revised terms for all previously collected information and information collected from you in the future. We may use comments, information or feedback that you submit to us in any manner that we may choose without notice or compensation to you.

Accessing and Correcting Information; Contact Us

If you have questions, would like to access or correct your Personal Information, or want to opt-out of information sharing with our affiliates for their marketing purposes, please send your requests to privacy@fnf.com or by mail or phone to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer
(888) 934-3354

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the field rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for each discount. These discounts only apply to transaction involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

FNF Underwritten Title Company

FNTC - Fidelity National Title Company

FNTCCA –Fidelity National Title Company of California

FNF Underwriter

FNTIC - Fidelity National Title Insurance Company

Available Discounts

CREDIT FOR PRELIMINARY REPORTS AND/OR COMMITMENTS ON SUBSEQUENT POLICIES (FNTIC)

Where no major change in the title has occurred since the issuance of the original report or commitment, the order may be reopened within 12 or 36 months and all or a portion of the charge previously paid for the report or commitment may be credited on a subsequent policy charge.

DISASTER LOANS (FNTIC)

The charge for a lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (FNTIC)

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be 50% to 70% of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be 40% to 50% of the appropriate title insurance rate, depending on the type of coverage selected.

ATTACHMENT ONE
CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.

This Exclusion does not limit the coverage described in Covered Risk 11 or 21.

7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% % of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 10,000.00
Covered Risk 18:	1.00% % of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

(Except as provided in Schedule B - Part II, (t) or (T) his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(PART I

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:)

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
7. (Variable exceptions such as taxes, easements, CC&R's, etc. shown here.)

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (04-02-15)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;

- (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
 - 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
 - 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
 - 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
 - 8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
 - 9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
 - 10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
 - 11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

OWNERS	EXISTING PARCELS A.P. NUMBER	PROPOSED PARCELS REFERENCE NUMBER
SAN JUAN TIRADOR, LLC	POR. OF LOT 3, TRACT 103, M.M. 11/29-33 POR. APN'S: 666-131-09, 15 AND ALL OF 666-131-16	PARCEL 1
SAN JUAN TIRADOR, LLC	PARCEL 3, P.M.B. 130/27, POR. APN'S 666-131-09 & 15	PARCEL 2

SHEET 1 OF 3 SHEETS **NOTE:** THERE ARE NO STRUCTURES ON SITE. SCALE: 1"=300'

LEGEND

- LOT LINE TO REMAIN
- - - - LOT LINE TO BE REVISED
- ===== REVISED LOT LINE
- - - - EASEMENT SIDELINE

SEE SHEET SHEET 2 FOR EASEMENTS.
SHEET 3 FOR EASEMENT NOTES AND DATA TABLE

The map depicts three parcels: Parcel 1 (P.M.B. 130 / 27), Parcel 2 (P.M.B. 130 / 27, 2.706 AC.), and Parcel 3 (P.M.B. 130 / 27). It shows various lot lines (L1-L16), easement sidelines (C1-C6), and points of interest (P.O.C., T.P.O.B.). Surrounding features include Freeway, San Diego, PIQ, San Juan Creek, and Calle Arroyo. A north arrow is present on the right side.

BOUNDARY DATA:

- S79°52'12"E RAD (R=56.30')
- S79°36'40"E RAD (R=2750')
- N78°46'02"W RAD
- A=8°55'34" R=5630.00' L=877.09'
- S67°25'49"E RAD
- S40°09'59"W 1357.89'
- S67°25'49"E RAD
- L4, L2, L3

Other Labels: FREEWAY, SAN DIEGO, PIQ, SAN JUAN CREEK, CALLE ARROYO, BOOK 3441/PAGE 234, O.R., SOUTHEASTERLY BOUNDARY OF LOT 31, TR. NO. 103, PORTION LOT 31, PORTION LOT 32.

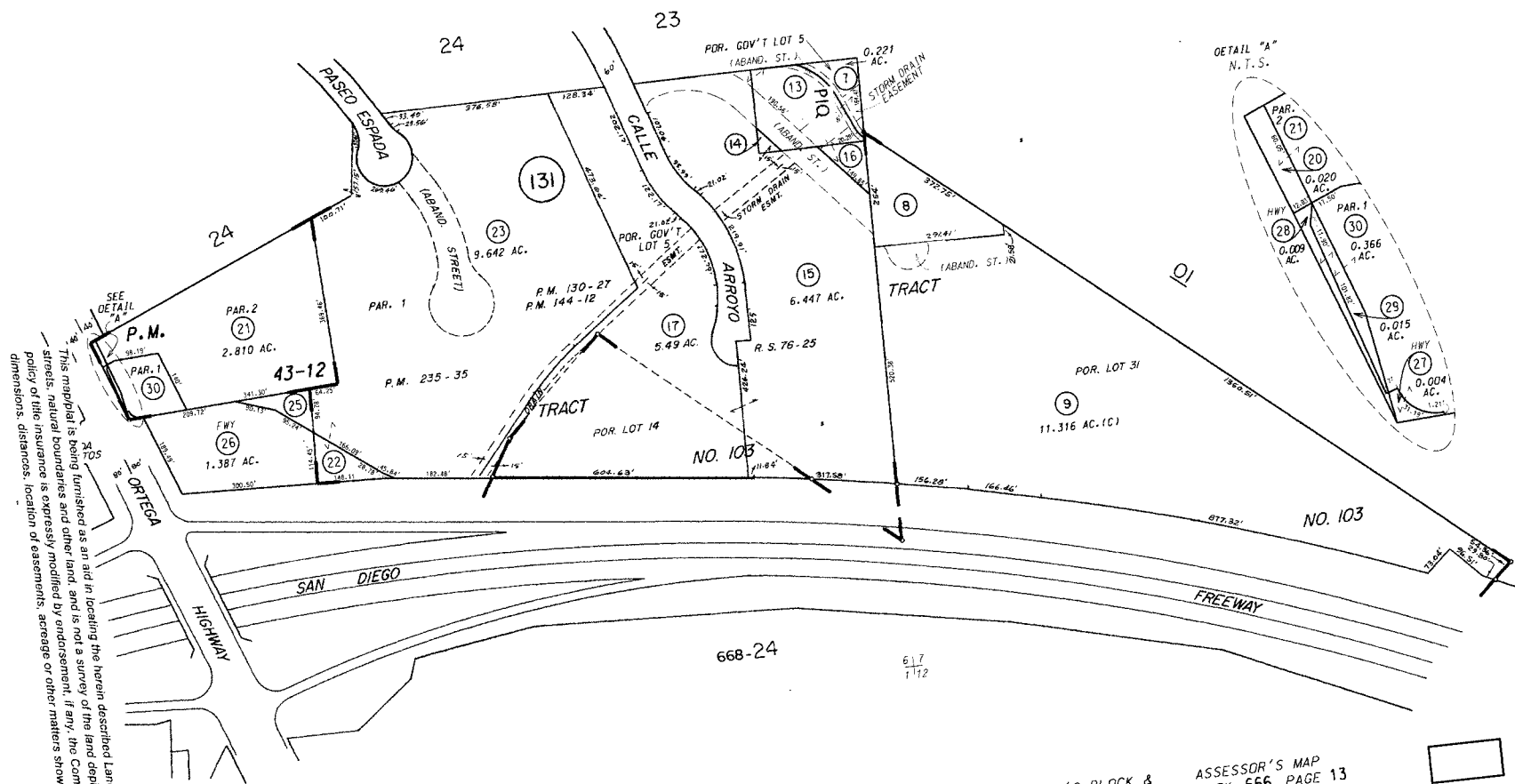
LICENSED LAND SURVEYOR
ROBERT L. WHEELER IV
No. 8639

[Signature] 12/16/16
ROBERT L. WHEELER IV, LS 8639 DATE

This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

666-13

POR. W 1/2, SW 1/4, SEC. 6, T 8 S, R 7 W



SEE DETAIL "A"
This map is being furnished as an aid in locating the herein described land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

MARCH 1977

TRACT NO. 103
PARCEL MAP

M.M. 11-29
P.M. 43-12, 130-27, 235-35

NOTE - ASSESSOR'S BLOCK &
PARCEL NUMBERS
SHOWN IN CIRCLES

ASSESSOR'S MAP
BOOK 666 PAGE 13
COUNTY OF ORANGE

OWNER'S DECLARATION

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)
 - a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at _____,
further described as follows: See Preliminary Report/Commitment No. 25000261-997-MAT-1MB for full legal description (the "Land").
 - b. Declarant is the _____ of _____
("Owner"), which is the owner or lessee, as the case may be, of certain premises located at _____,
further described as follows: See Preliminary Report/Commitment No. 25000261-997-MAT-1MB for full legal description (the "Land").
2. (Fill in the applicable paragraph and strike the other)
 - a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.
 - b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of \$_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Fidelity National Title Company against any and all claims arising therefrom.
3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.
4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, regular assessments, special assessments, periodic assessments or any assessment from any source, claims of lien, special assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records. There are no violations of the covenants, conditions and restrictions as shown in the above-referenced Preliminary Report/Commitment.
5. The Land is currently in use as _____; _____ occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land:

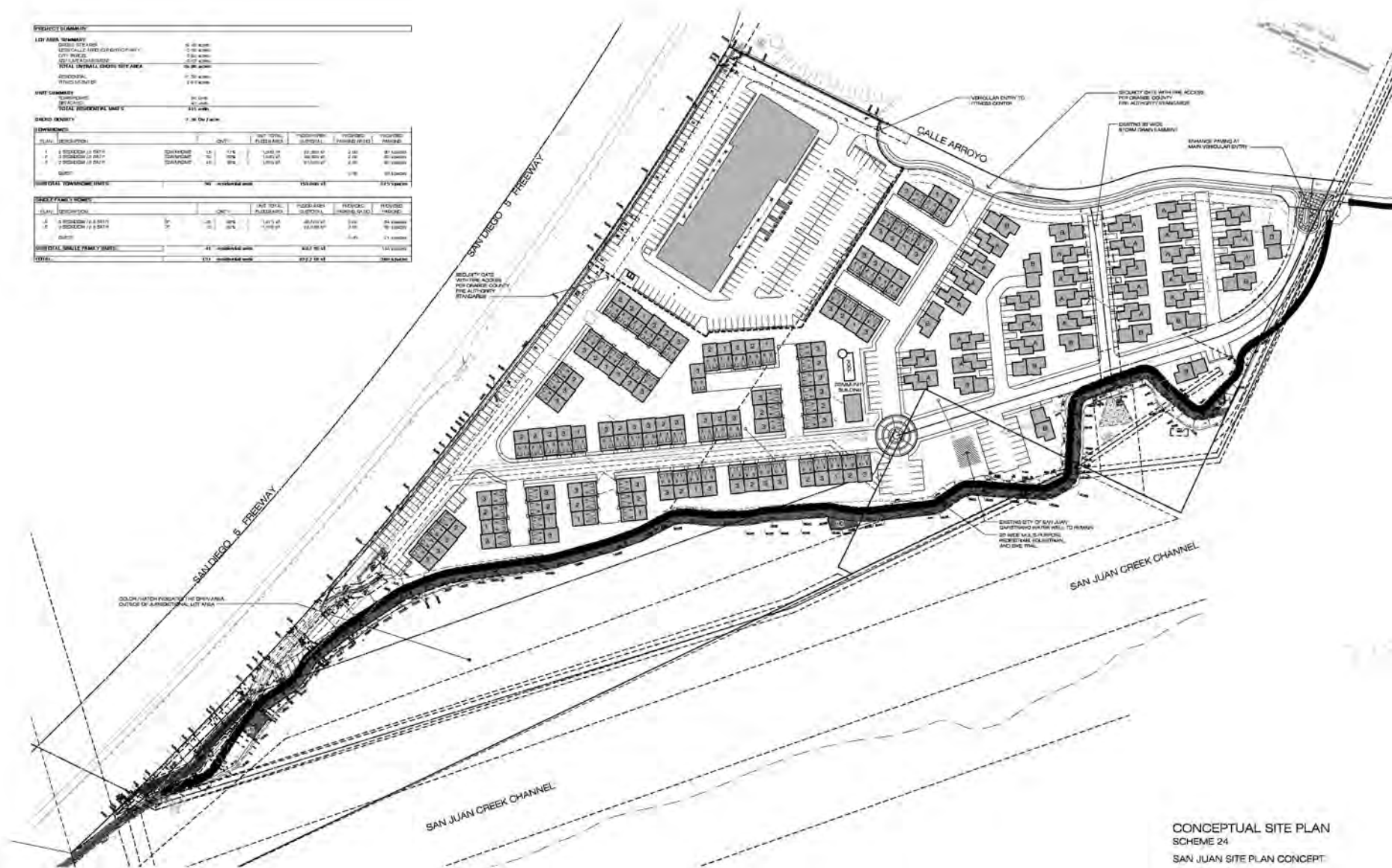
6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.
7. There are no outstanding options to purchase or rights of first refusal affecting the Land.

This declaration is made with the intention that Fidelity National Title Company (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on ____ at _____.

Signature: _____

PROJECT SUMMARY									
LOT AREA SUMMARY									
1	LOT 1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	LOT 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	LOT 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	LOT 4	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	LOT 5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	LOT 6	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	LOT 7	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	LOT 8	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	LOT 9	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
10	LOT 10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	LOT 11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
12	LOT 12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13	LOT 13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	LOT 14	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15	LOT 15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16	LOT 16	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	LOT 17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	LOT 18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
19	LOT 19	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	LOT 20	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
21	LOT 21	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
22	LOT 22	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
23	LOT 23	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24	LOT 24	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	LOT 25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26	LOT 26	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
27	LOT 27	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28	LOT 28	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
29	LOT 29	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	LOT 30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
31	LOT 31	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
32	LOT 32	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	LOT 33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
34	LOT 34	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	LOT 35	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	LOT 36	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37	LOT 37	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
38	LOT 38	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	LOT 39	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
40	LOT 40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	LOT 41	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	LOT 42	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
43	LOT 43	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
44	LOT 44	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
45	LOT 45	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	LOT 46	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
47	LOT 47	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	LOT 48	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
49	LOT 49	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50	LOT 50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
51	LOT 51	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
52	LOT 52	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
53	LOT 53	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54	LOT 54	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
55	LOT 55	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
56	LOT 56	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
57	LOT 57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
58	LOT 58	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
59	LOT 59	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
60	LOT 60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
61	LOT 61	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
62	LOT 62	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
63	LOT 63	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
64	LOT 64	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
65	LOT 65	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
66	LOT 66	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
67	LOT 67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
68	LOT 68	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
69	LOT 69	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
70	LOT 70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
71	LOT 71	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
72	LOT 72	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
73	LOT 73	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
74	LOT 74	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
75	LOT 75	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
76	LOT 76	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
77	LOT 77	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
78	LOT 78	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
79	LOT 79	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
80	LOT 80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
81	LOT 81	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
82	LOT 82	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
83	LOT 83	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
84	LOT 84	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
85	LOT 85	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86	LOT 86	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
87	LOT 87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
88	LOT 88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
89	LOT 89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
90	LOT 90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
91	LOT 91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
92	LOT 92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
93	LOT 93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
94	LOT 94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
95	LOT 95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
96	LOT 96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
97	LOT 97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
98	LOT 98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
99	LOT 99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
100	LOT 100	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00



SAN JUAN MIXED-USE SITE PLAN CONCEPT CALIFORNIA

CONCEPTUAL SITE PLAN
SCHEME 24

SAN JUAN SITE PLAN CONCEPT

Watt Communities

2713 Ocean Park Blvd., Suite 1000
Santa Monica, CA 90405

WITHEE MALCOLM ARCHITECTS, LLP

2001 Wilshire Blvd., Suite 1000
Los Angeles, CA 90060

1.010.217.1000
www.withee-malcolm.com

JUNE 2012, 2012, 2012



**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Appendix D – Environmental Agency Database Search Report

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

Inquiry Number: 4922940.2s
May 01, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edmet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	151
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CALLE ARROYO & PASEO TIRADOR
SAN JUAN CAPISTRANO, CA 92675

COORDINATES

Latitude (North): 33.4967320 - 33° 29' 48.23"
Longitude (West): 117.6577700 - 117° 39' 27.97"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 438898.6
UTM Y (Meters): 3706357.8
Elevation: 82 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640932 DANA POINT, CA
Version Date: 2012

North Map: 5641316 SAN JUAN CAPISTRANO, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140603
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
CALLE ARROYO & PASEO TIRADOR
SAN JUAN CAPISTRANO, CA 92675

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	PAUL & KIYOKO GOYA	27191 PASEO ESPADA	UST	Higher	598, 0.113, NNE
A2	SAN JUAN HILLS GOLF	32120 SAN JUAN CREEK	SWEEPS UST, CA FID UST	Higher	779, 0.148, East
A3	SAN JUAN HILLS GOLF	32120 SAN JUAN CREEK	UST, HIST UST	Higher	779, 0.148, East
B4	RITE AID NO 5750	31890 PLAZA DR	RCRA-LQG	Higher	800, 0.152, West
B5	RITE AID #5750	31890 PLAZA DR	RCRA-LQG	Higher	800, 0.152, West
C6	PARK CLEANERS	31878 DEL OBISPO NO	RCRA-SQG, Orange Co. Industrial Site, FINDS, ECHO,...	Higher	805, 0.152, NW
C7	OR COUNTY FIRE STATI	31865 DEL OBISPO	LUST, SWEEPS UST, CA FID UST	Higher	879, 0.166, NW
C8	FIRE STATION #7	31865 DEL OBISPO ST	LUST	Higher	879, 0.166, NW
C9	STATION 7	31865 DEL OBISPO	HIST UST	Higher	879, 0.166, NW
C10	OR COUNTY FIRE STATI	31865 DEL OBISPO ST	UST	Higher	879, 0.166, NW
C11	ORANGE COUNTY FIRE S	31865 DEL OBISPO	LUST, HIST CORTESE	Higher	879, 0.166, NW
C12		31865 DEL OBISPO	AST	Higher	879, 0.166, NW
D13	URBAN CLEANERS	32301 CAMINO CAPISTR	ENVIROSTOR, SLIC, Orange Co. Industrial Site, EMI	Lower	1106, 0.209, WSW
D14	SUMI KIM DBA SHINE C	32301 CAMINO CAPISTR	DRYCLEANERS	Lower	1106, 0.209, WSW
E15	EXPRESS CLEANERS	31888 DEL OBISPO ST	DRYCLEANERS	Higher	1145, 0.217, WNW
E16	DRY CLEAN EXPRESS	31888 DELA OBISPO #	DRYCLEANERS	Higher	1145, 0.217, WNW
E17	SUPER - 7 #18901	32022 CAMINO CAPISTR	UST	Higher	1165, 0.221, WNW
E18	SUPER 7 SERVICE STAT	32022 CAMINO CAPISTR	LUST	Higher	1165, 0.221, WNW
E19	SUPER-7 SS #18901	32022 CAMINO CAPISTR	LUST, HIST CORTESE	Higher	1165, 0.221, WNW
E20	SUPER 7 SERVICE STAT	32022 CAMINO CAPISTR	HIST CORTESE	Higher	1165, 0.221, WNW
E21	7 ELEVEN STORE #1890	32022 CAMINO CAPISTR	LUST, HIST UST	Higher	1165, 0.221, WNW
22	CAPISTRANO TIRE AND	32201 CAMINO CAPISTR	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1183, 0.224, WSW
23	RITE AID NO 5751	32121 CAMINO CAPISTR	RCRA-LQG	Higher	1197, 0.227, West
24	REPLANET LLC	32401 CAMINO CAPISTR	SWRCY	Lower	1216, 0.230, SW
F25	CHEVRON STATION #931	27112 ORTEGA HWY	UST	Higher	1240, 0.235, North
F26	CHEVRON STATION #931	27112 ORTEGA HWY	SWEEPS UST, CA FID UST	Higher	1240, 0.235, North
F27	93160	27112 ORTEGA HWY	HIST UST	Higher	1240, 0.235, North
F28	CHEVRON STATION #9-3	27112 ORTEGA HWY	LUST	Higher	1240, 0.235, North
F29	CHEVRON	27112 ORTEGA HWY	LUST, HIST CORTESE	Higher	1240, 0.235, North
F30	CHEVRON 93160	27112 ORTEGA HWY	RCRA-LQG	Higher	1240, 0.235, North
G31	ORTEGA HWY CLEANERS	27184 ORTEGA HWY STE	RCRA-SQG, FINDS, ECHO	Higher	1245, 0.236, NNE
G32	ORTEGA HWY CLEANERS	27184 ORTEGA HWY STE	DRYCLEANERS	Higher	1245, 0.236, NNE
F33	TOSCO/76 PRODUCTS ST	27164 ORTEGA HWY	LUST	Higher	1266, 0.240, North
F34	TOSCO/76 PRODUCTS ST	27164 ORTEGA	LUST, HIST CORTESE	Higher	1266, 0.240, North
F35	UNOCAL #5425	27164 ORTEGA HWY	UST	Higher	1266, 0.240, North
F36	UNOCAL SERVICE STATI	27164 ORTEGA HIGHWAY	HIST UST, HAZNET	Higher	1266, 0.240, North
F37	STATION 5425	27164 ORTEGA HWY	SWEEPS UST, HIST UST, CA FID UST	Higher	1266, 0.240, North
F38	UNION OIL SERVICE ST	27164 ORTEGA HWY	HIST UST	Higher	1266, 0.240, North
F39	STATION #5425	27164 ORTEGA HWY	HIST UST	Higher	1266, 0.240, North

MAPPED SITES SUMMARY

Target Property Address:
CALLE ARROYO & PASEO TIRADOR
SAN JUAN CAPISTRANO, CA 92675

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E40	CHEVRON #9-3417	32009 CAMINO CAPISTR	LUST	Higher	1329, 0.252, WNW
H41	CHEVRON SERVICE STAT	26988 ORTEGA HWY	LUST	Higher	1364, 0.258, NNW
H42	CHEVRON STATION #9-8	26988 ORTEGA HWY	LUST, HIST CORTESE	Higher	1364, 0.258, NNW
43	CHEVRON STATION	32001 CAMINO CAPISTR	LUST, HIST CORTESE	Higher	1429, 0.271, WNW
I44	SHELL SERVICE STATIO	27101 ORTEGA	LUST, ENF, HIST CORTESE, NPDES	Higher	1574, 0.298, North
I45	LOS CERRITOS RANCH	31642 AVENIDA LOS CE	LUST	Higher	1610, 0.305, North
I46	LOS CERRITOS RANCH	31642 AVENIDA LOS CE	HIST UST, HIST CORTESE	Higher	1610, 0.305, North
I47	ROMARCO REALTY CORP	31642 AVE LOS CERRIT	LUST	Higher	1610, 0.305, North
J48	TEXACO	26874 ORTEGA	LUST, HIST UST, HIST CORTESE	Higher	1636, 0.310, NNW
49	FORSTER CANYON LANDF	I-5 AT SAN JUAN CREE	WMUDS/SWAT	Lower	1672, 0.317, SW
K50	SAN JUAN CAPISTRANO	32400 PASEO ADELANTO	LUST, HIST UST, ENF, NPDES	Lower	1677, 0.318, SW
K51	CITY HALL	32400 PASEO ADELANTO	HIST CORTESE	Lower	1677, 0.318, SW
K52	CITY HALL	32400 PASEO ADELANTO	LUST	Lower	1677, 0.318, SW
K53	CITY OF SAN JUAN CAP	32400 PASEO ADELANTO	SWF/LF	Lower	1677, 0.318, SW
J54	ARCO STATION #1706	26851 ORTEGA HWY	LUST, HIST CORTESE	Higher	1743, 0.330, NNW
55	SAN JUAN ELEMENTARY	31642 EL CAMINO REAL	ENVIROSTOR, SCH	Higher	2147, 0.407, NNW
L56	SAN JUAN CAPISTRANO	NEAR SAN JUAN CREEK	WMUDS/SWAT	Higher	2267, 0.429, ENE
L57	FORSTER CANYON LANDF	FORSTER CANYON ROAD	WMUDS/SWAT	Higher	2267, 0.429, ENE
58	DEL OBISPO NO. 3	2 ML N HWY 1, NEAR CA	WMUDS/SWAT	Higher	2589, 0.490, WNW
M59	MISSION PIPE AND SUP	32107 ALIPAZ	LUST, HIST CORTESE	Lower	2627, 0.498, West
M60	MISSION PIPE & SUPPL	32107 ALIPAZ ST	LUST	Lower	2627, 0.498, West
61	SOLAG DISPOSAL SITE	31731 PASEO ADELANTO	ENVIROSTOR, LUST, VCP, HIST CORTESE	Higher	2738, 0.519, WNW
62	AMBUEHL ELEMENTARY S	28001 SAN JUAN CREEK	ENVIROSTOR, SCH	Higher	3630, 0.688, ENE
63	TUTOR TIME DAY CARE	31711 SAN JUAN CREEK	ENVIROSTOR, SCH	Higher	3679, 0.697, NE
64	PLANT DEPOT SCHOOL S	31251 AVENIDA LOS CE	ENVIROSTOR, SCH	Higher	3738, 0.708, North

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 CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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 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

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

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS..... Registered Waste Tire Haulers Listing

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

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

ODI..... Open Dump Inventory

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 Land Records

LIENS..... Environmental Liens Listing

LIENS 2..... CERCLA Lien Information

DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
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
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing

EXECUTIVE SUMMARY

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 Auto.....	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner.....	EDR Exclusive Historic Dry 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 generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 4

EXECUTIVE SUMMARY

RCRA-LQG 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>
RITE AID NO 5750	31890 PLAZA DR	W 1/8 - 1/4 (0.152 mi.)	B4	9
RITE AID #5750	31890 PLAZA DR	W 1/8 - 1/4 (0.152 mi.)	B5	12
RITE AID NO 5751	32121 CAMINO CAPISTR	W 1/8 - 1/4 (0.227 mi.)	23	36
CHEVRON 93160	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F30	45

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 12/12/2016 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>
PARK CLEANERS	31878 DEL OBISPO NO	NW 1/8 - 1/4 (0.152 mi.)	C6	14
ORTEGA HWY CLEANERS	27184 ORTEGA HWY STE	NNE 1/8 - 1/4 (0.236 mi.)	G31	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CAPISTRANO TIRE AND	32201 CAMINO CAPISTR	WSW 1/8 - 1/4 (0.224 mi.)	22	33

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 10/31/2016 has revealed that there are 6 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>
SAN JUAN ELEMENTARY Facility Id: 60000050 Status: Inactive - Withdrawn	31642 EL CAMINO REAL	NNW 1/4 - 1/2 (0.407 mi.)	55	131
SOLAG DISPOSAL SITE Facility Id: 30990002 Status: No Further Action	31731 PASEO ADELANTO	WNW 1/2 - 1 (0.519 mi.)	61	138
AMBUEHL ELEMENTARY S Facility Id: 30820019	28001 SAN JUAN CREEK	ENE 1/2 - 1 (0.688 mi.)	62	142

EXECUTIVE SUMMARY

Status: No Further Action

TUTOR TIME DAY CARE	31711 SAN JUAN CREEK	NE 1/2 - 1 (0.697 mi.)	63	145
Facility Id: 30820013				
Status: No Action Required				

PLANT DEPOT SCHOOL S	31251 AVENIDA LOS CE	N 1/2 - 1 (0.708 mi.)	64	147
Facility Id: 30070001				
Status: Inactive - Needs Evaluation				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
URBAN CLEANERS	32301 CAMINO CAPISTR	WSW 1/8 - 1/4 (0.209 mi.)	D13	22
Facility Id: 30720013				
Status: Refer: 1248 Local Agency				

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF 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>
CITY OF SAN JUAN CAP	32400 PASEO ADELANTO	SW 1/4 - 1/2 (0.318 mi.)	K53	128
Database: SWF/LF (SWIS), Date of Government Version: 11/14/2016				
Facility ID: 30-AB-0423				
Operational Status: Active				
Regulation Status: Notification				

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 23 LUST 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>
OR COUNTY FIRE STATI	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C7	17
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Facility Id: 94UT029				
FIRE STATION #7	31865 DEL OBISPO ST	NW 1/8 - 1/4 (0.166 mi.)	C8	18
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Closed Date: 2/2/95				
Status: Case Closed				
Case Number: 9UT2803				
ORANGE COUNTY FIRE S	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C11	20
Database: LUST, Date of Government Version: 12/12/2016				

EXECUTIVE SUMMARY

Status: Completed - Case Closed Global Id: T0605902503				
SUPER 7 SERVICE STAT	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E18	27
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 1/24/96 Status: Case Closed Case Number: 9UT1728				
SUPER-7 SS #18901	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E19	28
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 2/22/89 Status: Case Closed Case Number: 9UT832				
7 ELEVEN STORE #1890	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E21	29
Database: LUST, Date of Government Version: 12/12/2016 Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016 Status: Completed - Case Closed Facility Id: 90UT021 Facility Id: 87UT225 Global Id: T0605902421 Global Id: T0605902617				
CHEVRON STATION #9-3	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F28	43
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 6/17/92 Status: Case Closed Case Number: 9UT2030				
CHEVRON	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F29	44
Database: LUST, Date of Government Version: 12/12/2016 Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016 Status: Completed - Case Closed Facility Id: 91UT090 Global Id: T0605902453				
TOSCO/76 PRODUCTS ST	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F33	50
Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Preliminary site assessment workplan submitted Case Number: 9UT3719				
TOSCO/76 PRODUCTS ST	27164 ORTEGA	N 1/8 - 1/4 (0.240 mi.)	F34	50
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 12/12/2016 Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016 Status: Completed - Case Closed Closed Date: 10/6/95 Facility Id: 85UT125 Facility Id: 98UT066 Status: Case Closed Global Id: T0605902561 Global Id: T0605902586 Case Number: 9UT448				
CHEVRON #9-3417	32009 CAMINO CAPISTR	WNW 1/4 - 1/2 (0.252 mi.)	E40	66
Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Global Id: T0605902379				
CHEVRON SERVICE STAT	26988 ORTEGA HWY	NNW 1/4 - 1/2 (0.258 mi.)	H41	87
Database: LUST REG 9, Date of Government Version: 03/01/2001				

EXECUTIVE SUMMARY

Closed Date: 3/17/93
Status: Case Closed
Case Number: 9UT826

CHEVRON STATION #9-8	26988 ORTEGA HWY	NNW 1/4 - 1/2 (0.258 mi.)	H42	88
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Facility Id: 87UT223				
Status: Preliminary site assessment underway				
Global Id: T0605902614				
Global Id: T0605902510				
Case Number: 9UT3039				
CHEVRON STATION	32001 CAMINO CAPISTR	WNW 1/4 - 1/2 (0.271 mi.)	43	103
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Status: Remediation Plan				
Case Number: 9UT1351				
SHELL SERVICE STATIO	27101 ORTEGA	N 1/4 - 1/2 (0.298 mi.)	I44	104
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Facility Id: 86UT062				
Status: Remedial action (cleanup) Underway				
Global Id: T0605902592				
Case Number: 9UT490				
LOS CERRITOS RANCH	31642 AVENIDA LOS CE	N 1/4 - 1/2 (0.305 mi.)	I45	113
ROMARCO REALTY CORP	31642 AVE LOS CERRIT	N 1/4 - 1/2 (0.305 mi.)	I47	114
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Facility Id: 92UT041				
Global Id: T0605902460				
TEXACO	26874 ORTEGA	NNW 1/4 - 1/2 (0.310 mi.)	J48	116
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Facility Id: 95UT022				
Status: Preliminary site assessment workplan submitted				
Global Id: T0605902524				
Case Number: 9UT3189				
ARCO STATION #1706	26851 ORTEGA HWY	NNW 1/4 - 1/2 (0.330 mi.)	J54	129
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Closed Date: 5/12/99				
Facility Id: 91UT021				
Status: Case Closed				
Global Id: T0605902440				
Case Number: 9UT1915				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN JUAN CAPISTRANO	32400 PASEO ADELANTO	SW 1/4 - 1/2 (0.318 mi.)	K50	121
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Closed Date: 7/24/87
 Facility Id: 86UT057
 Status: Case Closed
 Global Id: T0605902372
 Case Number: 9UT130

CITY HALL	32400 PASEO ADELANTO	SW 1/4 - 1/2 (0.318 mi.)	K52	128
MISSION PIPE AND SUP	32107 ALIPAZ	W 1/4 - 1/2 (0.498 mi.)	M59	136
Database: LUST, Date of Government Version: 12/12/2016				
Database: ORANGE CO. LUST, Date of Government Version: 11/04/2016				
Status: Completed - Case Closed				
Facility Id: 91UT024				
Global Id: T0605902439				
MISSION PIPE & SUPPL	32107 ALIPAZ ST	W 1/4 - 1/2 (0.498 mi.)	M60	138
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Closed Date: 5/10/91				
Status: Case Closed				
Case Number: 9UT1906				

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 is 1 SLIC 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>
URBAN CLEANERS	32301 CAMINO CAPISTR	WSW 1/8 - 1/4 (0.209 mi.)	D13	22
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Completed - Case Closed				
Global Id: T10000001640				

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 are 6 UST 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>
PAUL & KIYOKO GOYA	27191 PASEO ESPADA	NNE 0 - 1/8 (0.113 mi.)	1	8
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 11023				
SAN JUAN HILLS GOLF	32120 SAN JUAN CREEK	E 1/8 - 1/4 (0.148 mi.)	A3	9
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 9690				
OR COUNTY FIRE STATI	31865 DEL OBISPO ST	NW 1/8 - 1/4 (0.166 mi.)	C10	20
Database: UST, Date of Government Version: 09/12/2016				

EXECUTIVE SUMMARY

Facility Id: 6050				
SUPER - 7 #18901	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E17	27
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 4705				
CHEVRON STATION #931	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F25	39
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 2258				
UNOCAL #5425	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F35	60
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 3945				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there is 1 AST site 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>
Not reported	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C12	21

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 4 WMUDS/SWAT 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>
SAN JUAN CAPISTRANO	NEAR SAN JUAN CREEK	ENE 1/4 - 1/2 (0.429 mi.)	L56	133
FORSTER CANYON LANDF	FORSTER CANYON ROAD	ENE 1/4 - 1/2 (0.429 mi.)	L57	134
DEL OBISPO NO. 3	2 ML N HWY 1, NEAR CA	WNW 1/4 - 1/2 (0.490 mi.)	58	135
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORSTER CANYON LANDF	I-5 AT SAN JUAN CREE	SW 1/4 - 1/2 (0.317 mi.)	49	119

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 SWRCY 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>
REPLANET LLC	32401 CAMINO CAPISTR	SW 1/8 - 1/4 (0.230 mi.)	24	39
Cert Id: RC164132.001				

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 are 4 SWEEPS UST 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>
SAN JUAN HILLS GOLF Status: A Tank Status: A Comp Number: 9690	32120 SAN JUAN CREEK	E 1/8 - 1/4 (0.148 mi.)	A2	8
OR COUNTY FIRE STATI Status: A Tank Status: A Comp Number: 6050	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C7	17
CHEVRON STATION #931 Status: A Tank Status: A Comp Number: 2258	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F26	40
STATION 5425 Status: A Tank Status: A Comp Number: 3945	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F37	62

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 8 HIST UST 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>
SAN JUAN HILLS GOLF Facility Id: 00000066117	32120 SAN JUAN CREEK	E 1/8 - 1/4 (0.148 mi.)	A3	9
STATION 7 Facility Id: 00000027190	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C9	19
7 ELEVEN STORE #1890 Facility Id: 00000012846	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E21	29
93160 Facility Id: 00000062398	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F27	42
UNOCAL SERVICE STATI STATION 5425	27164 ORTEGA HIGHWAY 27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.) N 1/8 - 1/4 (0.240 mi.)	F36 F37	61 62
UNION OIL SERVICE ST Facility Id: 00000019979	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F38	64
STATION #5425 Facility Id: 00000043722	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F39	65

EXECUTIVE SUMMARY

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST 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>
SAN JUAN HILLS GOLF Facility Id: 30013810 Status: A	32120 SAN JUAN CREEK	E 1/8 - 1/4 (0.148 mi.)	A2	8
OR COUNTY FIRE STATI Facility Id: 30017521 Status: A	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C7	17
CHEVRON STATION #931 Facility Id: 30001460 Status: A	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F26	40
STATION 5425 Facility Id: 30001411 Status: A	27164 ORTEGA HWY	N 1/8 - 1/4 (0.240 mi.)	F37	62

Other Ascertainable Records

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/02/2016 has revealed that there are 5 DRYCLEANERS 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>
PARK CLEANERS EPA Id: CAD983618497 EPA Id: CAL000302618	31878 DEL OBISPO NO	NW 1/8 - 1/4 (0.152 mi.)	C6	14
EXPRESS CLEANERS EPA Id: CAL000318663 EPA Id: CAL000274791	31888 DEL OBISPO ST	WNW 1/8 - 1/4 (0.217 mi.)	E15	25
DRY CLEAN EXPRESS EPA Id: CAL000203239	31888 DELA OBISPO #	WNW 1/8 - 1/4 (0.217 mi.)	E16	26
ORTEGA HWY CLEANERS EPA Id: CAD983639063	27184 ORTEGA HWY STE	NNE 1/8 - 1/4 (0.236 mi.)	G32	49
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUMI KIM DBA SHINE C EPA Id: CAL000311370 EPA Id: CAL000366530	32301 CAMINO CAPISTR	WSW 1/8 - 1/4 (0.209 mi.)	D14	24

EXECUTIVE SUMMARY

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 [CALSTES]. 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 13 HIST CORTESE 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>
ORANGE COUNTY FIRE S Reg Id: 9UT2803	31865 DEL OBISPO	NW 1/8 - 1/4 (0.166 mi.)	C11	20
SUPER-7 SS #18901 Reg Id: 9UT832	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E19	28
SUPER 7 SERVICE STAT Reg Id: 9UT1728	32022 CAMINO CAPISTR	WNW 1/8 - 1/4 (0.221 mi.)	E20	29
CHEVRON Reg Id: 9UT2030	27112 ORTEGA HWY	N 1/8 - 1/4 (0.235 mi.)	F29	44
TOSCO/76 PRODUCTS ST Reg Id: 9UT3719 Reg Id: 9UT448	27164 ORTEGA	N 1/8 - 1/4 (0.240 mi.)	F34	50
CHEVRON STATION #9-8 Reg Id: 9UT3039 Reg Id: 9UT826	26988 ORTEGA HWY	NNW 1/4 - 1/2 (0.258 mi.)	H42	88
CHEVRON STATION Reg Id: 9UT1351	32001 CAMINO CAPISTR	WNW 1/4 - 1/2 (0.271 mi.)	43	103
SHELL SERVICE STATIO Reg Id: 9UT490	27101 ORTEGA	N 1/4 - 1/2 (0.298 mi.)	I44	104
LOS CERRITOS RANCH Reg Id: 9UT2116	31642 AVENIDA LOS CE	N 1/4 - 1/2 (0.305 mi.)	I46	113
TEXACO Reg Id: 9UT3189	26874 ORTEGA	NNW 1/4 - 1/2 (0.310 mi.)	J48	116
ARCO STATION #1706 Reg Id: 9UT1915	26851 ORTEGA HWY	NNW 1/4 - 1/2 (0.330 mi.)	J54	129
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY HALL Reg Id: 9UT130	32400 PASEO ADELANTO	SW 1/4 - 1/2 (0.318 mi.)	K51	127
MISSION PIPE AND SUP Reg Id: 9UT1906	32107 ALIPAZ	W 1/4 - 1/2 (0.498 mi.)	M59	136

EXECUTIVE SUMMARY

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

Site Name


SHELL OIL


Database(s)


LUST


OVERVIEW MAP - 4922940.2S





 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


 Power transmission lines


 Pipelines

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands

 Areas of Concern

0 1/4 1/2 1 Miles




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: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano CA 92675
LAT/LONG: 33.496732 / 117.65777


CLIENT: Stantec
CONTACT: Dion Monge
INQUIRY #: 4922940.2s
DATE: May 01, 2017 2:22 pm


DETAIL MAP - 4922940.2S





 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


0 1/16 1/8 1/4 Miles


 Indian Reservations BIA

 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.

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano CA 92675
LAT/LONG: 33.496732 / 117.65777

CLIENT: Stantec
CONTACT: Dion Monge
INQUIRY #: 4922940.2s
DATE: May 01, 2017 2:24 pm

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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	4	NR	NR	NR	4
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	1	1	4	NR	6
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	10	13	NR	NR	23

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	1	0	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	5	NR	NR	NR	6
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	4	NR	NR	4
SWRCY	0.500		0	1	0	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	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	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	4	NR	NR	NR	4
HIST UST	0.250		0	8	NR	NR	NR	8
CA FID UST	0.250		0	4	NR	NR	NR	4
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	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	5	NR	NR	NR	5
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	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
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	5	8	NR	NR	13
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	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		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals -		0	1	52	27	4	0	84
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
NNE
< 1/8
0.113 mi.
598 ft.

PAUL & KIYOKO GOYA
27191 PASEO ESPADA
SAN JUAN CAPISTRANO, CA 92675

UST **U003941064**
N/A

Relative:
Higher

UST:
Facility ID: 11023
Permitting Agency: ORANGE COUNTY
Latitude: 33.50147
Longitude: -117.65457

Actual:
109 ft.

A2
East
1/8-1/4
0.148 mi.
779 ft.

SAN JUAN HILLS GOLF CLUBHOUSE
32120 SAN JUAN CREEK RD
SAN JUAN CAPISTRA, CA 92675

SWEEPS UST **S101609603**
CA FID UST **N/A**

Site 1 of 2 in cluster A

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 9690
Number: 9
Board Of Equalization: 44-016776
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-009690-000002
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

Actual:
84 ft.

CA FID UST:

Facility ID: 30013810
Regulated By: UTKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7144932063
Mail To: Not reported
Mailing Address: ATTN: TONY KATO 1 PK PLZ
Mailing Address 2: Not reported
Mailing City, St, Zip: SAN JUAN CAPISTRA 92675
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
East
1/8-1/4
0.148 mi.
779 ft.
SAN JUAN HILLS GOLF CLUBHOUSE
32120 SAN JUAN CREEK RD
SAN JUAN CAPISTRANO, CA 92675
Site 2 of 2 in cluster A

UST
HIST UST
U001577827
N/A

Relative:
Higher

UST:
Facility ID: 9690
Permitting Agency: ORANGE COUNTY
Latitude: 33.4974326
Longitude: -117.6521374

Actual:
84 ft.

HIST UST:
File Number: 0002E982
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E982.pdf>
Region: STATE
Facility ID: 00000066117
Facility Type: Other
Other Type: GOLF COURSE
Contact Name: ARNE DOKKA
Telephone: 7144931167
Owner Name: GLENDALE FEDERAL SAVINGS
Owner Address: 700 NO. BRAND BLVD.
Owner City, St, Zip: GLENDALE, CA 91209
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: X
Leak Detection: Stock Inventor

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

B4
West
1/8-1/4
0.152 mi.
800 ft.
RITE AID NO 5750
31890 PLAZA DR
SAN JUAN CAPISTRANO, CA 92675
Site 1 of 2 in cluster B

RCRA-LQG
1014387741
CAR000213132

Relative:
Higher

RCRA-LQG:
Date form received by agency: 08/05/2014
Facility name: RITE AID NO 5750
Facility address: 31890 PLAZA DR
SAN JUAN CAPISTRANO, CA 92675 3725
EPA ID: CAR000213132
Mailing address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact: STEPHANIE A CAIATI
Contact address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact country: US
Contact telephone: 717-730-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 09
Classification: Large Quantity Generator

Actual:
92 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5750 (Continued)

1014387741

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: THRIFTY PAYLESS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/24/1997
Owner/Op end date: Not reported

Owner/operator name: SEASIDE RANCHOS
Owner/operator address: 18881 VON KARMAN AVE NO 800
IRVINE, CA 92612
Owner/operator country: US
Owner/operator telephone: 949-705-5000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/18/1990
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
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: 131
Waste name: 131

Waste code: 141
Waste name: 141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5750 (Continued)

1014387741

Waste code:	214
Waste name:	214
Waste code:	232
Waste name:	232
Waste code:	311
Waste name:	311
Waste code:	791
Waste name:	791
Waste code:	D001
Waste name:	IGNITABLE WASTE
Waste code:	D002
Waste name:	CORROSIVE WASTE
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste code:	P075
Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Historical Generators:

Date form received by agency: 09/08/2010
Site name: RITE AID 5750
Classification: Conditionally Exempt Small Quantity Generator

Waste code:	D001
Waste name:	IGNITABLE WASTE
Waste code:	D002
Waste name:	CORROSIVE WASTE
Waste code:	D005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5750 (Continued)

1014387741

Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D016
Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	U002
Waste name:	2-PROPANONE (I) (OR) ACETONE (I)
Waste code:	U080
Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Waste code:	U160
Waste name:	2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)
Violation Status:	No violations found

B5
West
1/8-1/4
0.152 mi.
800 ft.

RITE AID #5750
31890 PLAZA DR
SAN JUAN CAPISTRANO, CA 92675

RCRA-LQG 1016954788
CAL000380010

Site 2 of 2 in cluster B

Relative:
Higher

RCRA-LQG:

Actual:
92 ft.

Date form received by agency: 03/01/2014
Facility name: RITE AID #5750
Facility address: 31890 PLAZA DR
SAN JUAN CAPISTRANO, CA 92675
EPA ID: CAL000380010
Mailing address: HUNTER LN
CAMP HILL, PA 17011
Contact: STEPHANIE A CAIATI
Contact address: HUNTER LN
CAMP HILL, PA 17011
Contact country: Not reported
Contact telephone: (717) 730-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 09
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5750 (Continued)

1016954788

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: THRIFTY PAYLESS
Owner/operator address: HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: Not reported
Owner/operator telephone: (717) 761-2633
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/24/1997
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/24/1997
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
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: 122
Waste name: 122

Waste code: 131
Waste name: 131

Waste code: 141
Waste name: 141

Waste code: 214
Waste name: 214

Waste code: 232
Waste name: 232

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID #5750 (Continued)

1016954788

Waste code:	311
Waste name:	311
Waste code:	791
Waste name:	791
Waste code:	D001
Waste name:	IGNITABLE WASTE
Waste code:	D002
Waste name:	CORROSIVE WASTE
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste code:	P075
Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

C6
NW
1/8-1/4
0.152 mi.
805 ft.

PARK CLEANERS
31878 DEL OBISPO NO 123
SAN JUAN CAPISTRANO, CA 92675
Site 1 of 7 in cluster C

RCRA-SQG **1000597818**
Orange Co. Industrial Site **CAD983618497**
FINDS
ECHO
DRYCLEANERS

Relative:
Higher

RCRA-SQG:

Actual:
101 ft.

Date form received by agency: 02/05/1992
Facility name: PARK CLEANERS
Facility address: 31878 DEL OBISPO NO 123
SAN JUAN CAPISTRANO, CA 92675
EPA ID: CAD983618497
Mailing address: DEL OBISPO NO 123
SAN JUAN CAPISTRANO, CA 92675
Contact: RICHARD CHUN
Contact address: 31878 DEL OBISPO NO 123
SAN JUAN CAPISTRANO, CA 92675
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CLEANERS (Continued)

1000597818

Contact telephone: (714) 493-2525
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

Owner/Operator Summary:

Owner/operator name: RICHARD H CHUN
Owner/operator address: 31878 DEL OBISPO NO 123
SAN JUAN CAPISTRANO, CA 92675
Owner/operator country: Not reported
Owner/operator telephone: (714) 493-4422
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
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
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

Violation Status: No violations found

Orange Co. Industrial Site:

Case ID: 99IC014
Record ID: RO0000687
Current Status: CLOSED 2/11/2000
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE, SOLVENTS-HALOGENATED

FINDS:

Registry ID: 110002868629

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CLEANERS (Continued)

1000597818

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000597818
Registry ID: 110002868629
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002868629

DRYCLEANERS:

EPA Id: CAD983618497
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 02/05/1992
Facility Active: No
Inactive Date: 06/30/2003
Facility Addr2: Not reported
Owner Name: RICHARD H CHUN
Owner Address: 31878 DEL OBISPO NO 123
Owner Address 2: Not reported
Owner Telephone: 0000000000
Contact Name: RICHARD H CHUN
Contact Address: 9 DEL ROMA
Contact Address 2: Not reported
Contact Telephone: 7144934422
Mailing Name: Not reported
Mailing Address 1: 31878 DEL OBISPO ST STE 123
Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926750000
Owner Fax: Not reported
Region Code: 4

EPA Id: CAL000302618
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 01/25/2006
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: JUDY OH
Owner Address: 31878 DEL OBISPO ST STE 123
Owner Address 2: Not reported
Owner Telephone: 9494870500
Contact Name: JUDY OH
Contact Address: 31878 DEL OBISPO ST STE 123
Contact Address 2: Not reported
Contact Telephone: 9494870500
Mailing Name: Not reported
Mailing Address 1: 31878 DEL OBISPO ST STE 123
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CLEANERS (Continued)

1000597818

Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926750000
Owner Fax: 0000000000
Region Code: 4

**C7
NW
1/8-1/4
0.166 mi.
879 ft.**

**OR COUNTY FIRE STATION #7
31865 DEL OBISPO
SAN JUAN CAPISTRANO, CA 92675**

**LUST
SWEEPS UST
CA FID UST**

**S101589550
N/A**

Site 2 of 7 in cluster C

**Relative:
Higher**

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 94UT029
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 02/02/1995
Record ID: RO0001659

**Actual:
107 ft.**

SWEEPS UST:

Status: Active
Comp Number: 6050
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006050-000001
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 3

Status: Active
Comp Number: 6050
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006050-000002
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 6050
Number: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OR COUNTY FIRE STATION #7 (Continued)

S101589550

Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006050-000003
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 30017521
Regulated By: UTKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148310872
Mail To: Not reported
Mailing Address: 180 S WATER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN JUAN CAPISTRA 92675
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C8
NW
1/8-1/4
0.166 mi.
879 ft.

FIRE STATION #7
31865 DEL OBISPO ST
SAN JUAN CAPISTRANO, CA 92675

LUST S102429966
N/A

Site 3 of 7 in cluster C

Relative:
Higher

LUST REG 9:

Actual:
107 ft.

Region: 9
Status: Case Closed
Case Number: 9UT2803
Local Case: 94UT29
Substance: 0
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/07/1994
Date Stopped: 04/07/1994
Confirm Date: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRE STATION #7 (Continued)

S102429966

Submit Workplan: 4/7/94
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/09/1993
Enforce Date: Not reported
Closed Date: 2/2/95
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

C9
NW
1/8-1/4
0.166 mi.
879 ft.

STATION 7
31865 DEL OBISPO
SAN JUAN CAPISTRANO, CA 92675
Site 4 of 7 in cluster C

HIST UST **U001577831**
N/A

Relative:
Higher

HIST UST:

File Number: 0002EC4D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EC4D.pdf>
Region: STATE
Facility ID: 00000027190
Facility Type: Other
Other Type: FIRE DEPARTMENT
Contact Name: CAPTS. NEWPORT, CHAMBERS, RODM
Telephone: 7148310872
Owner Name: ORANGE COUNTY FIRE DEPARTMENT
Owner Address: 180 SO. WATER STREET
Owner City,St,Zip: ORANGE, CA 92666
Total Tanks: 0003

Actual:
107 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAION 7 (Continued)

U001577831

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

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

C10
NW
1/8-1/4
0.166 mi.
879 ft.
OR COUNTY FIRE STATION #7
31865 DEL OBISPO ST
SAN JUAN CAPISTRANO, CA 92675
Site 5 of 7 in cluster C

UST **U003940956**
N/A

Relative: **UST:**
Higher Facility ID: 6050
Permitting Agency: ORANGE COUNTY
Actual: Latitude: 33.500427
107 ft. Longitude: -117.659382

C11
NW
1/8-1/4
0.166 mi.
879 ft.
ORANGE COUNTY FIRE STATION #7
31865 DEL OBISPO
SAN JUAN CAPISTRANO, CA 92675
Site 6 of 7 in cluster C

LUST **S102434711**
HIST CORTESE **N/A**

Relative: **LUST:**
Higher Region: STATE
Global Id: T0605902503
Actual: Latitude: 33.499073
107 ft. Longitude: -117.660727
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/02/1995
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT2803
LOC Case Number: 94UT029
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:
Global Id: T0605902503
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY FIRE STATION #7 (Continued)

S102434711

Phone Number: 7144336273

Global Id: T0605902503
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:
Global Id: T0605902503
Status: Open - Case Begin Date
Status Date: 04/07/1994

Global Id: T0605902503
Status: Completed - Case Closed
Status Date: 02/02/1995

Regulatory Activities:
Global Id: T0605902503
Action Type: Other
Date: 04/07/1994
Action: Leak Reported

Global Id: T0605902503
Action Type: Other
Date: 04/07/1994
Action: Leak Discovery

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT2803

C12
NW 31865 DEL OBISPO
1/8-1/4 SAN JUAN CAPISTRANO, CA
0.166 mi.
879 ft. Site 7 of 7 in cluster C

AST A100340581
N/A

Relative:
Higher

AST:
Certified Unified Program Agencies: Orange
Owner: ORANGE COUNTY FIRE AUTHORITY STA #7
Total Gallons: 1,320
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported

Actual:
107 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

A100340581

Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

D13
WSW
1/8-1/4
0.209 mi.
1106 ft.

URBAN CLEANERS
32301 CAMINO CAPISTRANO
SAN JUAN CAPISTR, CA 92675

ENVIROSTOR
SLIC
Orange Co. Industrial Site
EMI

S100941157
N/A

Site 1 of 2 in cluster D

Relative:
Lower

ENVIROSTOR:

Actual:
78 ft.

Facility ID: 30720013
Status: Refer: 1248 Local Agency
Status Date: 04/26/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 73
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30720013
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 04/17/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

URBAN CLEANERS (Continued)

S100941157

Comments: SB 1248 Orange County

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

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/06/2010
Global Id: T10000001640
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: 01IC11
Latitude: 33.4940230446006
Longitude: -117.663938999176
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: ORANGE COUNTY
RB Case Number: 2090035
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: A release of chlorinated solvents associated with dry cleaning activities at the property was identified in 1999. Assessment and soil excavation was conducted from 2001 to 2004. A Phase I Environmental Site Assessment conducted in September 2009 identified that additional investigation was warranted. A soil, groundwater and soil vapor investigation was conducted in September 2009. As presented in the request for closure, soils impacted by PCE have been removed, concentrations of chlorinated compounds in groundwater have decreased significantly between 2001 and 2009, and concentrations of chlorinated compounds in groundwater downgradient of the property have remained stable indicating that the drinking water supply well further downgradient is unlikely to be impacted. This case was closed on July 6, 2010.

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

Orange Co. Industrial Site:

Case ID: 01IC011
Record ID: RO0000031
Current Status: CLOSED 4/30/2002
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE, TRICHLOROETHYLENE

EMI:

Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 48006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

URBAN CLEANERS (Continued)

S100941157

Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
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 Smllr Tons/Yr:0

Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 59570
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST 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 Smllr Tons/Yr:0

D14
WSW
1/8-1/4
0.209 mi.
1106 ft.

SUMI KIM DBA SHINE CLEANERS
32301 CAMINO CAPISTRANO STE H
SAN JUAN CAPISTRANO, CA 92675

DRYCLEANERS S108541373
N/A

Site 2 of 2 in cluster D

Relative:
Lower

DRYCLEANERS:

Actual:
78 ft.

EPA Id: CAL000311370
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/11/2006
Facility Active: No
Inactive Date: 06/30/2011
Facility Addr2: Not reported
Owner Name: OAK LEE
Owner Address: 39 FLEURANCE ST
Owner Address 2: Not reported
Owner Telephone: 9494959313
Contact Name: LEONARD LEE
Contact Address: 32301 CAMINO CAPISTRANO STE H
Contact Address 2: Not reported
Contact Telephone: 9496612023
Mailing Name: Not reported
Mailing Address 1: 32301 CAMINO CAPISTRANO STE H
Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUMI KIM DBA SHINE CLEANERS (Continued)

S108541373

Mailing State: CA
Mailing Zip: 926754512
Owner Fax: 9494951081
Region Code: 4

EPA Id: CAL000366530
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 08/09/2011
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: SUMI KIM
Owner Address: 2552 SUNBRIGHT DR
Owner Address 2: Not reported
Owner Telephone: 9098563312
Contact Name: JULIE KIM
Contact Address: 2552 SUNBRIGHT DR
Contact Address 2: Not reported
Contact Telephone: 9095763066
Mailing Name: Not reported
Mailing Address 1: 32301 CAMINO CAPISTRANO STE H
Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926750000
Owner Fax: 0000000000
Region Code: 4

E15
WNW
1/8-1/4
0.217 mi.
1145 ft.

EXPRESS CLEANERS
31888 DEL OBISPO ST # C-10
SAN JUAN CAPISTRANO, CA 92675

Site 1 of 8 in cluster E

DRYCLEANERS **S106077127**
N/A

Relative:
Higher

DRYCLEANERS:
EPA Id: CAL000318663
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 04/16/2007
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: HONG & KIM CORP
Owner Address: 29 PASSAFLORA LN
Owner Address 2: Not reported
Owner Telephone: 7149448885
Contact Name: WON HO HONG
Contact Address: 29 PASSAFLORA LN
Contact Address 2: Not reported
Contact Telephone: 7149448885
Mailing Name: Not reported
Mailing Address 1: 31888 DEL OBISPO ST STE C10
Mailing Address 2: Not reported

Actual:
98 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXPRESS CLEANERS (Continued)

S106077127

Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926750000
Owner Fax: 9494932181
Region Code: 4

EPA Id: CAL000274791
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/19/2003
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: YONG KIM
Owner Address: 31888 DEL OBISPO ST # C-10
Owner Address 2: Not reported
Owner Telephone: 9494932181
Contact Name: YONG KIM
Contact Address: 31888 DEL OBISPO ST # C-10
Contact Address 2: Not reported
Contact Telephone: 9494932181
Mailing Name: Not reported
Mailing Address 1: 31888 DEL OBISPO ST # C-10
Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926753700
Owner Fax: Not reported
Region Code: 4

E16 **DRY CLEAN EXPRESS**
WNW **31888 DELA OBISPO # C10**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.217 mi.
1145 ft. **Site 2 of 8 in cluster E**

DRYCLEANERS **S105266652**
N/A

Relative: **DRYCLEANERS:**
Higher EPA Id: CAL000203239
NAICS Code: 81232
Actual: NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
98 ft. SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 12/21/2001
Facility Active: No
Inactive Date: 06/30/2004
Facility Addr2: Not reported
Owner Name: DRY CLEAN EXPRESS
Owner Address: 31888 DEL OBISPO #C-10
Owner Address 2: Not reported
Owner Telephone: 9494932181
Contact Name: PUNYAWEE TANGBUNTHAI
Contact Address: 31888 DELA OBISPO # C10
Contact Address 2: Not reported
Contact Telephone: 9494932181
Mailing Name: Not reported
Mailing Address 1: 31888 DEL OBISPO #C10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DRY CLEAN EXPRESS (Continued)

S105266652

Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926750000
Owner Fax: Not reported
Region Code: 4

E17
WNW
1/8-1/4
0.221 mi.
1165 ft.
SUPER - 7 #18901
32022 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

UST **U003941851**
N/A

Site 3 of 8 in cluster E

Relative: **UST:**
Higher Facility ID: 4705
Permitting Agency: ORANGE COUNTY
Actual: Latitude: 33.499087
96 ft. Longitude: -117.660763

E18
WNW
1/8-1/4
0.221 mi.
1165 ft.
SUPER 7 SERVICE STATION #18901
32022 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

LUST **S101307836**
N/A

Site 4 of 8 in cluster E

Relative: **LUST REG 9:**
Higher Region: 9
Status: Case Closed
Actual: Case Number: 9UT1728
96 ft. Local Case: 90UT21
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Unknown - action taken at site is unknown
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/13/1989
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 10/18/89
Prelim Assess: 05/18/1990
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 1/18/96
Began Monitor: Not reported
Release Date: 10/18/1989
Enforce Date: Not reported
Closed Date: 1/24/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: 15

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER 7 SERVICE STATION #18901 (Continued)

S101307836

Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

E19 **SUPER-7 SS #18901**
WNW **32022 CAMINO CAPISTRANO**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.221 mi.
1165 ft. **Site 5 of 8 in cluster E**

LUST **S102438255**
HIST CORTESE **N/A**

Relative: **LUST REG 9;**
Higher **Region: 9**
Status: Case Closed
Actual: **Case Number: 9UT832**
96 ft. **Local Case: 87UT225**
Substance: Regular Gasoline
Qty Leaked: 239
Abate Method: Not reported
Local Agency: Orange
How Found: Inventory Control
How Stopped: Repair Piping
Source: Piping
Cause: Other Cause
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/09/1987
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/25/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/23/1987
Enforce Date: Not reported
Closed Date: 2/22/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 15'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER-7 SS #18901 (Continued)

S102438255

Reg Id: 9UT832

E20
WNW
1/8-1/4
0.221 mi.
1165 ft.

SUPER 7 SERVICE STATION #
32022 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA

HIST CORTESE **S102423481**
N/A

Site 6 of 8 in cluster E

Relative:
Higher

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1728

Actual:
96 ft.

E21
WNW
1/8-1/4
0.221 mi.
1165 ft.

7 ELEVEN STORE #18901
32022 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

LUST **U001577834**
HIST UST **N/A**

Site 7 of 8 in cluster E

Relative:
Higher

LUST:

Region: STATE
Global Id: T0605902421
Latitude: 33.4978881668521
Longitude: -117.662222385406
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/24/1996
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT1728
LOC Case Number: 90UT021
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
96 ft.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605902421
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902421
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN STORE #18901 (Continued)

U001577834

Phone Number: 7144336262

Status History:

Global Id: T0605902421
Status: Open - Case Begin Date
Status Date: 09/13/1989

Global Id: T0605902421
Status: Completed - Case Closed
Status Date: 01/24/1996

Regulatory Activities:

Global Id: T0605902421
Action Type: ENFORCEMENT
Date: 04/19/1995
Action: Staff Letter

Global Id: T0605902421
Action Type: ENFORCEMENT
Date: 01/24/1996
Action: Closure/No Further Action Letter

Global Id: T0605902421
Action Type: ENFORCEMENT
Date: 09/14/1995
Action: LOP Case Closure Summary to RB

Global Id: T0605902421
Action Type: ENFORCEMENT
Date: 04/17/1995
Action: LOP Case Closure Summary to RB

Global Id: T0605902421
Action Type: Other
Date: 09/13/1989
Action: Leak Reported

Global Id: T0605902421
Action Type: REMEDIATION
Date: 06/25/1990
Action: Other (Use Description Field)

Global Id: T0605902421
Action Type: Other
Date: 09/13/1989
Action: Leak Discovery

Region: STATE
Global Id: T0605902617
Latitude: 33.4977271235367
Longitude: -117.662222385406
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/22/1989
Lead Agency: ORANGE COUNTY LOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN STORE #18901 (Continued)

U001577834

Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT832
LOC Case Number: 87UT225
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902617
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902617
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srjagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902617
Status: Open - Case Begin Date
Status Date: 10/29/1987

Global Id: T0605902617
Status: Completed - Case Closed
Status Date: 02/22/1989

Regulatory Activities:

Global Id: T0605902617
Action Type: ENFORCEMENT
Date: 02/22/1989
Action: Closure/No Further Action Letter

Global Id: T0605902617
Action Type: ENFORCEMENT
Date: 03/20/1989
Action: Closure/No Further Action Letter

Global Id: T0605902617
Action Type: Other
Date: 10/29/1987
Action: Leak Reported

Global Id: T0605902617
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN STORE #18901 (Continued)

U001577834

Date: 07/27/2009
Action: Correspondence

Global Id: T0605902617
Action Type: Other
Date: 10/29/1987
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT021
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 01/24/1996
Record ID: RO0001313

Region: ORANGE
Facility Id: 87UT225
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 02/22/1989
Record ID: RO0001569

HIST UST:

File Number: 0002EF16
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EF16.pdf>
Region: STATE
Facility ID: 00000012846
Facility Type: Gas Station
Other Type: Not reported
Contact Name: LOU DHONDT
Telephone: 7144939902
Owner Name: THE SOUTHLAND CORPORATION: DBA
Owner Address: 2444 MOORPARK AVE. SUITE 316
Owner City, St, Zip: SAN JOSE, CA 95128
Total Tanks: 0004

Tank Num: 001
Container Num: 18901-10
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 002
Container Num: 18901-2-0
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 003
Container Num: 18901-3-0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN STORE #18901 (Continued)

U001577834

Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 004
Container Num: 18901-5-0
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None, 10

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

22
WSW
1/8-1/4
0.224 mi.
1183 ft.

CAPISTRANO TIRE AND BRAKE
32201 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

RCRA-SQG 1001126724
FINDS CAR000018077
ECHO
HAZNET

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/25/1997
Facility name: CAPISTRANO TIRE AND BRAKE
Facility address: 32201 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675
EPA ID: CAR000018077
Mailing address: CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675
Contact: JIM ROBESON
Contact address: 32201 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675
Contact country: US
Contact telephone: (714) 443-9701
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

Owner/Operator Summary:

Owner/operator name: HENRY KUMAGAI
Owner/operator address: 19021 CANYON DR
VILLA PARK, CA 92667
Owner/operator country: Not reported
Owner/operator telephone: (714) 637-0325
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO TIRE AND BRAKE (Continued)

1001126724

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

Violation Status: No violations found

FINDS:

Registry ID: 110002916159

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.

ECHO:

Envid: 1001126724
Registry ID: 110002916159
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002916159

HAZNET:

envid: 1001126724
Year: 2006
GEPAID: CAR000018077
Contact: HENRY KUMAGAI/OWNER
Telephone: 9494439701
Mailing Name: Not reported
Mailing Address: 32201 CAMINO CAPISTRANO
Mailing City, St, Zip: SAN JUAN CAPISTRANO, CA 926753714
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO TIRE AND BRAKE (Continued)

1001126724

envid: 1001126724
Year: 2006
GEPAID: CAR000018077
Contact: HENRY KUMAGAI/OWNER
Telephone: 9494439701
Mailing Name: Not reported
Mailing Address: 32201 CAMINO CAPISTRANO
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926753714
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1001126724
Year: 2000
GEPAID: CAR000018077
Contact: HENRY KUMAGAI/OWNER
Telephone: 9494439701
Mailing Name: Not reported
Mailing Address: 32201 CAMINO CAPISTRANO
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926753714
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1001126724
Year: 1999
GEPAID: CAR000018077
Contact: HENRY KUMAGAI
Telephone: 9494439701
Mailing Name: Not reported
Mailing Address: 32201 CAMINO CAPISTRANO
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926753714
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .2085
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1001126724
Year: 1998
GEPAID: CAR000018077

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO TIRE AND BRAKE (Continued)

1001126724

Contact: HENRY KUMAGAI
Telephone: 9494439701
Mailing Name: Not reported
Mailing Address: 32201 CAMINO CAPISTRANO
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926753714
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 2542
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET record(s) in the EDR Site Report.

23
West
1/8-1/4
0.227 mi.
1197 ft.

RITE AID NO 5751
32121 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

RCRA-LQG **1014387742**
CAR000213140

Relative:
Higher

RCRA-LQG:

Actual:
82 ft.

Date form received by agency: 08/05/2014
Facility name: RITE AID NO 5751
Facility address: 32121 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675 3716
EPA ID: CAR000213140
Mailing address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact: STEPHANIE A CAIATI
Contact address: 30 HUNTER LN
CAMP HILL, PA 17011
Contact country: US
Contact telephone: 717-730-8225
Contact email: SSCAIATI@RITEAID.COM
EPA Region: 09
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: MV AND THE VILLAGE LLC
Owner/operator address: 30001 CROWN VALLEY PKWY STE P
LAGUNA NIGUEL, CA 92677

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5751 (Continued)

1014387742

Owner/operator country: US
Owner/operator telephone: 949-831-1040
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/2008
Owner/Op end date: Not reported

Owner/operator name: THRIFTY PAYLESS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/17/1997
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
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: 131
Waste name: 131

Waste code: 141
Waste name: 141

Waste code: 214
Waste name: 214

Waste code: 232
Waste name: 232

Waste code: 311
Waste name: 311

Waste code: 791
Waste name: 791

Waste code: D001
Waste name: IGNITABLE WASTE

Waste code: D002
Waste name: CORROSIVE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5751 (Continued)

1014387742

Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste code:	P075
Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Historical Generators:

Date form received by agency: 09/08/2010
Site name: RITE AID 5751
Classification: Conditionally Exempt Small Quantity Generator

Waste code:	D001
Waste name:	IGNITABLE WASTE
Waste code:	D002
Waste name:	CORROSIVE WASTE
Waste code:	D005
Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D016
Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	U002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5751 (Continued)

1014387742

Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
Waste code: U080
Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)
Violation Status: No violations found

24
SW
1/8-1/4
0.230 mi.
1216 ft.

REPLANET LLC
32401 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

SWRCY S107138244
N/A

Relative:
Lower

SWRCY:
Reg Id: 164132
Cert Id: RC164132.001
Mailing Address: 800 N Haven Ave Suite 120
Mailing City: Ontario
Mailing State: CA
Mailing Zip Code: 91764
Website: <http://www.replanet.com>
Email: Not reported
Phone Number: (951) 520-1700
Grand Father: N
Rural: N
Operation Begin Date: 07/01/2012
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: CLOSED
Tuesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Wednesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation: CLOSED
Organization ID: 151891
Organization Name: rePlanet LLC

Actual:
75 ft.

F25
North
1/8-1/4
0.235 mi.
1240 ft.

CHEVRON STATION #93160
27112 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675

UST U003739478
N/A

Site 1 of 13 in cluster F

Relative:
Higher

UST:
Facility ID: 2258
Permitting Agency: ORANGE COUNTY
Latitude: 33.5037251
Longitude: -117.6559899

Actual:
148 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F26
North
1/8-1/4
0.235 mi.
1240 ft.

CHEVRON STATION #93160
27112 ORTEGA HWY
SAN JUAN CAPISTRA, CA 92675

Site 2 of 13 in cluster F

SWEEPS UST
CA FID UST

S101631444
N/A

Relative:
Higher

SWEEPS UST:

Actual:
148 ft.

Status: Not reported
Comp Number: 2258
Number: Not reported
Board Of Equalization: 44-015938
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002258-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

Status: Active
Comp Number: 2258
Number: 9
Board Of Equalization: 44-015938
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002258-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 2258
Number: 9
Board Of Equalization: 44-015938
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002258-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #93160 (Continued)

S101631444

Comp Number: 2258
Number: 9
Board Of Equalization: 44-015938
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002258-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2258
Number: 9
Board Of Equalization: 44-015938
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002258-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 30001460
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7144963767
Mail To: Not reported
Mailing Address: 1300 S BCH BLVD / P O BOX 2
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN JUAN CAPISTRA 92675
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F27 **93160**
North **27112 ORTEGA HWY**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.235 mi.
1240 ft. **Site 3 of 13 in cluster F**

HIST UST **U001577796**
 N/A

Relative:
Higher

HIST UST:

Actual:
148 ft.

File Number: 0002E6FD
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E6FD.pdf>
Region: STATE
Facility ID: 00000062398
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CO BRANDED OUTLET-CHEVRON
Telephone: 7144939056
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

93160 (Continued)

U001577796

Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

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

F28
North
1/8-1/4
0.235 mi.
1240 ft.

CHEVRON STATION #9-3160
27112 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675

Site 4 of 13 in cluster F

LUST **S102427772**
N/A

Relative:
Higher

LUST REG 9:

Actual:
148 ft.

Region: 9
Status: Case Closed
Case Number: 9UT2030
Local Case: 91UT90
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 8/29/91
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/18/1991
Enforce Date: Not reported
Closed Date: 6/17/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.28
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F29
North
1/8-1/4
0.235 mi.
1240 ft.
CHEVRON
27112 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675
Site 5 of 13 in cluster F

LUST
HIST CORTESE
S103648419
N/A

Relative:
Higher

LUST:

Actual:
148 ft.

Region: STATE
Global Id: T0605902453
Latitude: 33.502368
Longitude: -117.657397
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/17/1992
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT2030
LOC Case Number: 91UT090
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902453
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902453
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srjagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902453
Status: Open - Case Begin Date
Status Date: 08/28/1991

Global Id: T0605902453
Status: Completed - Case Closed
Status Date: 06/17/1992

Regulatory Activities:

Global Id: T0605902453
Action Type: Other
Date: 08/28/1991
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S103648419

Global Id: T0605902453
Action Type: Other
Date: 08/28/1991
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 91UT090
Released Substance: Not reported
Date Closed: 06/17/1992
Record ID: RO0000736

Region: ORANGE
Facility Id: 91UT090
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 06/17/1992
Record ID: RO0000736

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT2030

F30
North
1/8-1/4
0.235 mi.
1240 ft.

CHEVRON 93160
27112 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675

Site 6 of 13 in cluster F

RCRA-LQG **1005904334**
CAR000121434

Relative:
Higher

Actual:
148 ft.

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: CHEVRON 93160
Facility address: 27112 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675
EPA ID: CAR000121434
Mailing address: ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675
Contact: KATHY NORRIS
Contact address: P.O. BOX 6004
SAN RAMON, CA 94583
Contact country: Not reported
Contact telephone: (877) 386-6044
Contact email: NAWTDESK@CHEVRON.COM
EPA Region: 09
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 93160 (Continued)

1005904334

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON PRODUCTS CO.
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/08/1960
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/08/1960
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/12/2013
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS COMPANY
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-5931
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC
Owner/operator address: P.O. BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-1000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/12/2013
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 93160 (Continued)

1005904334

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: 134
. Waste name: 134

. Waste code: 223
. Waste name: 223

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:

Date form received by agency: 02/24/2004
Site name: CHEVRON 93160
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/24/2004
Site name: CHEVRON 93160
Classification: Small Quantity Generator

Date form received by agency: 05/16/2002
Site name: CHEVRON STATION NO 93160
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G31
NNE
1/8-1/4
0.236 mi.
1245 ft.
Site 1 of 2 in cluster G

RCRA-SQG
FINDS
ECHO
1000686576
CAD983639063

Relative:
Higher

RCRA-SQG:

Actual:
141 ft.

Date form received by agency: 06/05/1992
Facility name: ORTEGA HWY CLEANERS
Facility address: 27184 ORTEGA HWY STE 105
SAN JUAN CAPISTRANO, CA 92675
EPA ID: CAD983639063
Contact: TOAN DOAN
Contact address: 27184 ORTEGA HWY STE 105
SAN JUAN CAPISTRANO, CA 92714
Contact country: US
Contact telephone: (714) 248-3405
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

Owner/Operator Summary:

Owner/operator name: ORTEGA HWY CLEANERS
Owner/operator address: 27184 ORTEGA HWY STE 105
SAN JUAN CAPISTRANO, CA 92714
Owner/operator country: Not reported
Owner/operator telephone: (714) 248-3405
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
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
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

Violation Status: No violations found

FINDS:

Registry ID: 110006483402

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORTEGA HWY CLEANERS (Continued)

1000686576

Environmental Interest/Information System

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.

ECHO:

Envid: 1000686576
Registry ID: 110006483402
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110006483402

G32
NNE
1/8-1/4
0.236 mi.
1245 ft.

ORTEGA HWY CLEANERS
27184 ORTEGA HWY STE 105
SAN JUAN CAPISTRANO, CA 92675

DRYCLEANERS **S109611994**
N/A

Site 2 of 2 in cluster G

Relative:
Higher

DRYCLEANERS:

Actual:
141 ft.

EPA Id: CAD983639063
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 06/05/1992
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: TOAN NGOC DOAN
Owner Address: 27184 ORTEGA HWY STE 105
Owner Address 2: Not reported
Owner Telephone: 9492483405
Contact Name: TOAN DOAN-OWNER
Contact Address: 27184 ORTEGA HWY STE 105
Contact Address 2: Not reported
Contact Telephone: 7142483405
Mailing Name: Not reported
Mailing Address 1: 27184 ORTEGA HWY STE 105
Mailing Address 2: Not reported
Mailing City: SAN JUAN CAPISTRANO
Mailing State: CA
Mailing Zip: 926752796
Owner Fax: Not reported
Region Code: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F33 **TOSCO/76 PRODUCTS STAION #5425**
North **27164 ORTEGA HWY**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.240 mi.
1266 ft. **Site 7 of 13 in cluster F**

LUST **S103472038**
N/A

Relative:
Higher

LUST REG 9:

Actual:
153 ft.

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3719
Local Case: 98UT66
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 07/15/1998
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 9/15/98
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/15/1998
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.28
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 2A
File Disp: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

F34 **TOSCO/76 PRODUCTS STATION**
North **27164 ORTEGA**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.240 mi.
1266 ft. **Site 8 of 13 in cluster F**

LUST **S100231061**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
153 ft.

Region: STATE
Global Id: T0605902561
Latitude: 33.502711689
Longitude: -117.6569189
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/30/2013
Lead Agency: ORANGE COUNTY LOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT3719
LOC Case Number: 98UT066
File Location: Local Agency Warehouse
Potential Media Affect: Aquifer used for drinking water supply, Soil, Surface water, Well used for drinking water supply
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

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

Contact:

Global Id: T0605902561
Contact Type: Regional Board Caseworker
Contact Name: CRAIG L. CARLISLE
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: craig.carlisle@waterboards.ca.gov
Phone Number: 6195213378

Global Id: T0605902561
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902561
Status: Open - Case Begin Date
Status Date: 07/15/1998

Global Id: T0605902561
Status: Open - Site Assessment
Status Date: 01/28/1999

Global Id: T0605902561
Status: Open - Site Assessment
Status Date: 08/25/2000

Global Id: T0605902561
Status: Open - Remediation
Status Date: 04/25/2011

Global Id: T0605902561
Status: Open - Verification Monitoring
Status Date: 11/14/2011

Global Id: T0605902561
Status: Open - Eligible for Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Status Date: 11/30/2011
Global Id: T0605902561
Status: Completed - Case Closed
Status Date: 04/30/2013

Regulatory Activities:

Global Id: T0605902561
Action Type: REMEDIATION
Date: 07/14/1998
Action: Excavation

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 10/28/2010
Action: File review

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 10/29/2010
Action: File review

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 10/07/2009
Action: File review

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 05/30/2012
Action: File Review - Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 09/27/2012
Action: Staff Letter

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 04/25/2013
Action: File Review - Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 06/20/2012
Action: File review

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 05/30/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/29/2008
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/23/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/07/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	07/01/2009
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/26/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/30/2012
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/17/2012
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	07/15/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/21/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	09/03/2009
Action:	File review
Global Id:	T0605902561
Action Type:	Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Date:	08/28/1998
Action:	Leak Reported
Global Id:	T0605902561
Action Type:	REMEDIATION
Date:	04/25/2011
Action:	Excavation
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/21/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/23/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	12/22/2009
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/16/2010
Action:	Meeting
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	03/25/2010
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/03/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/12/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/26/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/26/2011
Action:	Meeting
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/10/2011
Action:	File review

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	01/20/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/26/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/10/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/05/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/23/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	06/07/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/02/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/07/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/28/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	10/04/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	09/21/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Date:	04/21/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/03/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/15/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	06/17/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/20/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	07/08/2010
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/26/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	06/03/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/30/2011
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/30/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/18/2011
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/27/2012
Action:	File Review - Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/23/2012
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	09/28/2005
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	08/26/2004
Action:	Staff Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/24/2012
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	02/22/2012
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/22/2013
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	08/20/2012
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	05/08/2012
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	11/01/2010
Action:	File review
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/18/2012
Action:	File Review - Closure
Global Id:	T0605902561
Action Type:	ENFORCEMENT
Date:	04/26/2013
Action:	Closure/No Further Action Letter
Global Id:	T0605902561
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Date: 08/20/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 05/30/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 08/20/2012
Action: File Review - Closure

Global Id: T0605902561
Action Type: ENFORCEMENT
Date: 05/30/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0605902561
Action Type: Other
Date: 07/15/1998
Action: Leak Discovery

Region: STATE
Global Id: T0605902586
Latitude: 33.50265
Longitude: -117.657868
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/04/1995
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT448
LOC Case Number: 85UT125
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902586
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902586
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:
Global Id: T0605902586
Status: Open - Case Begin Date
Status Date: 12/11/1985

Global Id: T0605902586
Status: Completed - Case Closed
Status Date: 10/04/1995

Regulatory Activities:
Global Id: T0605902586
Action Type: Other
Date: 12/11/1985
Action: Leak Reported

Global Id: T0605902586
Action Type: REMEDIATION
Date: 04/07/1993
Action: Excavation

Global Id: T0605902586
Action Type: REMEDIATION
Date: 04/07/1993
Action: Other (Use Description Field)

Global Id: T0605902586
Action Type: Other
Date: 12/11/1985
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 85UT125
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 10/04/1995
Record ID: RO0001090

Region: ORANGE
Facility Id: 98UT066
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 04/26/2013
Record ID: RO0002675

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT448
Local Case: 85UT125
Substance: Gasoline
Qty Leaked: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO/76 PRODUCTS STATION (Continued)

S100231061

Abate Method: EDVE
Local Agency: Orange
How Found: Tank Closure
How Stopped: Not reported
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 12/11/1985
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 12/23/85
Prelim Assess: 03/05/1986
Desc Pollution: 6/14/90
Remed Plan: 04/22/1992
Remed Action: 2/1/93
Began Monitor: Not reported
Release Date: 12/11/1985
Enforce Date: 7/18/91
Closed Date: 10/6/95
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 901.28
GW Depth: 6'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT3719

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT448

F35 UNOCAL #5425
North 27164 ORTEGA HWY
1/8-1/4 SAN JUAN CAPISTRANO, CA 92675

0.240 mi.
1266 ft.

Site 9 of 13 in cluster F

UST U003949132
N/A

Relative: UST:
Higher Facility ID: 3945
Permitting Agency: ORANGE COUNTY
Actual: Latitude: 33.503988
153 ft. Longitude: -117.655475

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F36 **UNOCAL SERVICE STATION #5425**
North **27164 ORTEGA HIGHWAY**
1/8-1/4 **SAN JUAN CAPISTRANO, CA 92675**
0.240 mi.
1266 ft. **Site 10 of 13 in cluster F**

HIST UST **S113040553**
HAZNET **N/A**

Relative:
Higher

HIST UST:

Actual:
153 ft.

File Number: 0002D62E
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D62E.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:

envid: S113040553
Year: 2001
GEPaid: CAL000046553
Contact: CHRISTOPHER Z HILL
Telephone: 7144286802
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Transfer Station
Tons: 0.41
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113040553
Year: 1995
GEPaid: CAL000046553
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #5425 (Continued)

S113040553

TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .0350
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113040553
Year: 1995
GEPAID: CAL000046553
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .2085
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113040553
Year: 1993
GEPAID: CAL000046553
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.31269999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

F37 STATION 5425
North 27164 ORTEGA HWY
1/8-1/4 SAN JUAN CAPISTRAND, CA 92675
0.240 mi.
1266 ft. Site 11 of 13 in cluster F

SWEEPS UST U002096419
HIST UST N/A
CA FID UST

Relative: SWEEPS UST:
Higher Status: Active
Comp Number: 3945
Actual: Number: 9
153 ft. Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STATION 5425 (Continued)

U002096419

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-003945-000001
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 3945
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-003945-000004
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3945
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-003945-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

File Number: 0002D68D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D68D.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STATION 5425 (Continued)

U002096419

Total Tanks: Not reported
Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

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

CA FID UST:

Facility ID: 30001411
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7144937354
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD STE 10
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN JUAN CAPISTRA 92675
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

F38
North
1/8-1/4
0.240 mi.
1266 ft.
UNION OIL SERVICE STATION #542
27164 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675
Site 12 of 13 in cluster F

HIST UST **U001577836**
N/A

Relative:
Higher

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000019979
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JOHN V. TARWATER
Telephone: 7144937354
Owner Name: UNION OIL COMPANY OF CALIFORNIA
Owner Address: 123 CAMINO DELA REINA
Owner City,St,Zip: SAN DIEGO, CA 92108
Total Tanks: 0003

Actual:
153 ft.

Tank Num: 001
Container Num: 5425-11
Year Installed: 1966
Tank Capacity: 00010000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SERVICE STATION #542 (Continued)

U001577836

Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 5425-22
Year Installed: 1966
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 5425-34
Year Installed: 1966
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

F39
North
1/8-1/4
0.240 mi.
1266 ft.
STATION #5425
27164 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675
Site 13 of 13 in cluster F

HIST UST **U001577832**
N/A

Relative:
Higher

Actual:
153 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000043722
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JAMES R. DAVIS
Telephone: 7144937354
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 1450 FRAZEE ROAD
Owner City,St,Zip: SAN DIEGO, CA 92108
Total Tanks: 0001

Tank Num: 001
Container Num: 5425-00
Year Installed: 1966
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E40
WNW
1/4-1/2
0.252 mi.
1329 ft.
CHEVRON #9-3417
32009 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675
Site 8 of 8 in cluster E

LUST **S102426823**
N/A

Relative:
Higher

Actual:
98 ft.

LUST:

Region: STATE
Global Id: T0605902379
Latitude: 33.4977964616675
Longitude: -117.662871479988
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/27/2015
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1351
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Soil, Soil Vapor, Surface water, Under Investigation, Well used for drinking water supply
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: Chevron Service Station 9-3417 began operation in 1972 and has undergone several upgrades. Discharges of gasoline from the USTs have resulted in a MTBE plume in groundwater that extends approximately 2,400 feet south of the facility. The MTBE plume extends to the south (downgradient) of the Dance Hall well. In early 2008 the Dance Hall well was taken out of service due to the presence of MTBE in the extracted groundwater. A groundwater sample collected from the Dance Hall well was reported to have a MTBE concentration of 1.3 micrograms per liter (a%g/l). The health-based primary maximum contaminant level (MCL) for MTBE is 13 a%g/l. The secondary MCL, which is a taste and odor threshold is 5 a%g/l. Although the reported groundwater MTBE concentration is below the secondary MCL, the City of San Juan Capistrano elected to shut down the wells to eliminate the potential of distributing groundwater with MTBE to its residents. Groundwater is currently used for municipal and domestic supply. The San Juan Capistrano Groundwater Recovery Plant (GWRP), which began operation in 2005, consists of six groundwater production wells, and a greensand filter and reverse osmosis treatment system. The GWRP can extract and treat up to 5.1 million gallons per day of highly mineralized groundwater. The GWRP was designed to supply virtually all of San Juan Capistranos winter needs and half of its summer needs. Concentrations of benzene, toluene, ethylbenzene, xylenes, MTBE, and TBA in groundwater due to discharge(s) from the site exceed the water quality objectives needed to support municipal and domestic supply beneficial uses of the ground water.

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

Status History:

Global Id: T0605902379
Status: Open - Case Begin Date
Status Date: 12/30/1988

Global Id: T0605902379
Status: Open - Verification Monitoring
Status Date: 05/01/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id: T0605902379
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/04/2008

Global Id: T0605902379
Status: Open - Assessment & Interim Remedial Action
Status Date: 04/26/2010

Global Id: T0605902379
Status: Open - Remediation
Status Date: 06/01/2011

Global Id: T0605902379
Status: Open - Verification Monitoring
Status Date: 01/15/2013

Global Id: T0605902379
Status: Open - Eligible for Closure
Status Date: 12/19/2013

Global Id: T0605902379
Status: Completed - Case Closed
Status Date: 02/27/2015

Regulatory Activities:

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 12/09/2008
Action: Meeting

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 11/17/2008
Action: Staff Letter

Global Id: T0605902379
Action Type: Other
Date: 12/30/1988
Action: Leak Stopped

Global Id: T0605902379
Action Type: RESPONSE
Date: 11/20/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 05/14/2008
Action: Interim Remedial Action Report

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/20/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date: 02/26/2008
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 12/21/2009
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 04/04/2003
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 02/19/1992
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 02/07/1989
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 02/04/2008
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 06/21/1993
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 05/21/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 06/02/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 01/15/2003
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 02/15/2007
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 05/18/1993
Action: Notice of Violation

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 06/05/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 11/03/2008
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 03/04/1999
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 05/03/2000
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 05/12/2009
Action: Meeting

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 10/13/2007
Action: Staff Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 12/11/1995
Action: Warning Letter

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 04/02/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 04/13/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 03/11/2009
Action: File review

Global Id: T0605902379
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	03/20/2009
Action:	File review
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/24/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/19/2008
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/26/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	03/23/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/23/2002
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/24/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/28/1993
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/14/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/07/2009
Action:	File review
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/01/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/04/2009
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/25/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	04/03/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/19/1997
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	04/08/1993
Action:	Notice to Comply
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/03/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/14/2009
Action:	Verbal Enforcement
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	03/05/2009
Action:	File review
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	03/25/2009
Action:	File review
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	01/22/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	11/30/2011
Action:	Pilot Study / Treatability Workplan
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/21/2008
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	05/11/2009
Action:	File review
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/31/1995
Action:	Letter - Notice
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/15/1994
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/09/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/04/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/25/2006
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	08/23/2005
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/28/2009
Action:	Referral to Regional Board
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	03/17/2003
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/22/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/12/1997
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	05/16/2006
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	04/22/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/10/1989
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/01/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/29/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/30/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/16/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/21/2009
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/12/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	08/19/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	07/09/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	09/03/2009
Action:	Clean-up and Abatement Order
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/28/2009
Action:	Clean-up and Abatement Order
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/19/2009
Action:	Verbal Enforcement
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/04/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/27/2015
Action:	Closure/No Further Action Letter
Global Id:	T0605902379
Action Type:	Other
Date:	02/02/1989
Action:	Leak Reported
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	03/31/2009
Action:	Pilot Study / Treatability Workplan - Regulator Responded
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	06/30/2009
Action:	Pilot Study / Treatability Workplan - Regulator Responded
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/30/2009
Action:	Other Workplan - Regulator Responded
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/03/2012
Action:	Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded
Global Id:	T0605902379
Action Type:	REMEDIATION
Date:	12/13/2010
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/29/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/23/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/24/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/14/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/24/2009
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/14/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/23/2009
Action:	Clean-up and Abatement Order
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/03/2010
Action:	Meeting
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/01/2010
Action:	Notice of Violation
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/17/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/03/2012
Action:	Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/19/2013
Action:	Request for Closure - Regulator Responded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/23/2010
Action:	Amendment to Order
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/25/2014
Action:	Notification - Fee Title Owners Notice
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/29/2010
Action:	Other Workplan
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	08/18/2009
Action:	Correspondence
Global Id:	T0605902379
Action Type:	REMEDIATION
Date:	02/01/1996
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605902379
Action Type:	REMEDIATION
Date:	12/01/2001
Action:	Excavation
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	03/01/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	08/29/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/25/2014
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	06/12/2009
Action:	Pilot Study / Treatability Workplan
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	05/12/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	08/27/1998
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/02/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	07/13/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	09/27/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/04/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/04/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/07/2009
Action:	Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	11/20/1989
Action:	Monitoring Report - Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/04/1990
Action:	Monitoring Report - Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/29/2010
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id:	T0605902379
Action Type:	RESPONSE
Date:	05/31/2007
Action:	Soil and Water Investigation Report
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	09/21/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/30/2008
Action:	Soil and Water Investigation Report
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Soil and Water Investigation Report
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/18/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	08/05/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/23/2010
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/22/2010
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	02/08/1998
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	11/06/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	02/04/1997
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	02/19/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/31/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	07/26/1989
Action:	Monitoring Report - Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	08/04/1989
Action:	Monitoring Report - Other
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	05/03/1996
Action:	Remedial Progress Report
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/20/2010
Action:	Other Report / Document
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	03/31/1995
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	06/30/2010
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/05/2009
Action:	Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/05/2009
Action:	Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	05/15/1996
Action:	Remedial Progress Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id: T0605902379
Action Type: RESPONSE
Date: 12/22/1997
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 02/22/1990
Action: Monitoring Report - Other

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/15/1996
Action: Remedial Progress Report

Global Id: T0605902379
Action Type: RESPONSE
Date: 11/02/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 11/03/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/12/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 08/06/2009
Action: Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Other

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/14/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/30/1993
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date: 12/31/1993
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 01/23/1990
Action: Monitoring Report - Other

Global Id: T0605902379
Action Type: RESPONSE
Date: 12/30/1995
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 05/31/2000
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/31/1996
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 09/30/1995
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/30/1996
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 09/28/1992
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/30/1994
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 01/05/1990
Action: Monitoring Report - Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id: T0605902379
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/31/1994
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 09/30/1993
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 02/26/2000
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 12/31/1994
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/30/1995
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 05/26/2010
Action: Correspondence

Global Id: T0605902379
Action Type: ENFORCEMENT
Date: 12/06/2011
Action: Amendment to Order

Global Id: T0605902379
Action Type: Other
Date: 12/29/1988
Action: Leak Began

Global Id: T0605902379
Action Type: RESPONSE
Date: 09/03/2009
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/31/1993
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	10/15/1997
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/16/1997
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/28/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	05/15/1998
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	07/22/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	06/30/2010
Action:	Site Assessment Report
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/24/2000
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	09/30/2000
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	09/30/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	06/20/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	08/22/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/05/2003
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	01/16/2008
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	11/09/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	10/26/2005
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/22/2005
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/28/2006
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	12/27/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	01/10/2008
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	02/26/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	09/13/2007
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	Other
Date:	12/30/1988
Action:	Leak Discovery
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	09/13/2010
Action:	Well Installation Workplan
Global Id:	T0605902379
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date:	04/13/2010
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/27/2009
Action:	Email Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/13/2009
Action:	Email Correspondence
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	07/01/2008
Action:	Other Report / Document
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/21/2009
Action:	Other Report / Document
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	01/29/2007
Action:	Preliminary Site Assessment Workplan
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	12/28/2009
Action:	Other Report / Document
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	08/07/2008
Action:	Preliminary Site Assessment Report
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/12/2010
Action:	Email Correspondence
Global Id:	T0605902379
Action Type:	ENFORCEMENT
Date:	06/04/2013
Action:	Staff Letter
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	10/26/2009
Action:	Respond to Petition
Global Id:	T0605902379
Action Type:	RESPONSE
Date:	04/30/2011
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/30/2011
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 04/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 10/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Quarterly

Global Id: T0605902379
Action Type: RESPONSE
Date: 02/15/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/01/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 03/15/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 04/26/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-3417 (Continued)

S102426823

Date: 05/10/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 06/07/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 07/05/2011
Action: Other Report / Document

Global Id: T0605902379
Action Type: RESPONSE
Date: 09/01/2009
Action: Email Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 05/11/2010
Action: Email Correspondence

Global Id: T0605902379
Action Type: RESPONSE
Date: 02/09/2010
Action: Correspondence

H41
NNW
1/4-1/2
0.258 mi.
1364 ft.

CHEVRON SERVICE STATION #8719
26988 ORTEGA HWY
SAN JUAN CAPISTRANO, CA 92675

Site 1 of 2 in cluster H

LUST **S102427560**
N/A

Relative:
Higher

Actual:
122 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT826
Local Case: 87UT223
Substance: Unleaded Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: Orange
How Found: Other Means
How Stopped: New Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 08/21/1987
Date Stopped: 08/20/1987
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/25/1987
Desc Pollution: Not reported
Remed Plan: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON SERVICE STATION #8719 (Continued)

S102427560

Remed Action: 1/15/88
Began Monitor: Not reported
Release Date: 11/03/1987
Enforce Date: Not reported
Closed Date: 3/17/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 39'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

H42 **CHEVRON STATION #9-8719**
NNW **26988 ORTEGA HWY**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92675**
0.258 mi.
1364 ft. **Site 2 of 2 in cluster H**

LUST **S102657121**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
122 ft.

LUST:
Region: STATE
Global Id: T0605902614
Latitude: 33.501812
Longitude: -117.659819
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/17/1993
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT826
LOC Case Number: 87UT223
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605902614
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902614
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:
Global Id: T0605902614
Status: Open - Case Begin Date
Status Date: 08/19/1987

Global Id: T0605902614
Status: Completed - Case Closed
Status Date: 03/17/1993

Regulatory Activities:
Global Id: T0605902614
Action Type: Other
Date: 08/19/1987
Action: Leak Reported

Global Id: T0605902614
Action Type: Other
Date: 08/19/1987
Action: Leak Discovery

Region: STATE
Global Id: T0605902510
Latitude: 33.501648464
Longitude: -117.659956
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/09/2013
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3039
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: Chevron Service Station No. 9-8719 is an active retail gasoline service station located at 26988 Ortega Highway, San Juan Capistrano, California. Discharges of gasoline from the USTs have resulted in a methyl tertiary butyl ether (MTBE) plume in groundwater that extends at least 600 feet south of the facility. A Cleanup and Abatement Order was issued to Chevron in 2010 which requires Chevron to complete the assessment of the extent of the dissolved MTBE plume, prepare a Corrective Action Plan, and cleanup groundwater polluted by discharges from the facility.

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

Status History:
Global Id: T0605902510
Status: Open - Case Begin Date
Status Date: 11/30/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id:	T0605902510
Status:	Open - Site Assessment
Status Date:	11/30/1994
Global Id:	T0605902510
Status:	Open - Site Assessment
Status Date:	11/14/1995
Global Id:	T0605902510
Status:	Open - Assessment & Interim Remedial Action
Status Date:	04/26/2010
Global Id:	T0605902510
Status:	Open - Site Assessment
Status Date:	04/26/2010
Global Id:	T0605902510
Status:	Open - Remediation
Status Date:	11/26/2011
Global Id:	T0605902510
Status:	Completed - Case Closed
Status Date:	10/09/2013

Regulatory Activities:

Global Id:	T0605902510
Action Type:	Other
Date:	11/30/1994
Action:	Leak Stopped
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/09/2009
Action:	File review
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/04/2009
Action:	Meeting
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/17/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/03/2009
Action:	Meeting
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/13/2009
Action:	File review
Global Id:	T0605902510
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date:	03/03/1999
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/09/2000
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/04/1999
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/31/1995
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/22/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	01/27/2000
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	01/05/1995
Action:	Notice to Comply
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/24/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/20/2009
Action:	File review
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/28/2009
Action:	Referral to Regional Board
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	08/22/1995
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	01/04/2007
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/03/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	02/01/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	02/05/2008
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/01/1996
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/13/2009
Action:	File review
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/04/2013
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/13/2006
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/05/2009
Action:	File review
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/11/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/20/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902510
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date:	12/13/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	12/24/1997
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	07/28/1995
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	11/19/1997
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	12/30/1998
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	08/02/2006
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	10/18/1995
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	07/01/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	07/25/2008
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	09/01/2009
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	Other
Date:	11/30/1994
Action:	Leak Reported
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	02/11/2013
Action:	Other Workplan - Regulator Responded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	02/24/2010
Action:	Clean-up and Abatement Order
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	02/17/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	04/26/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	12/23/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/12/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	REMEDIATION
Date:	11/30/1994
Action:	Excavation
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	09/23/2010
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	02/23/2011
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	10/06/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	03/01/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/20/2010
Action:	Correspondence
Global Id:	T0605902510
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date:	08/02/1995
Action:	Pilot Study / Treatability Workplan
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/19/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	04/03/1996
Action:	Soil and Water Investigation Workplan
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	12/07/2009
Action:	Correspondence
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	08/31/2007
Action:	Soil and Water Investigation Report
Global Id:	T0605902510
Action Type:	REMEDIATION
Date:	05/06/2009
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	05/16/1995
Action:	Preliminary Site Assessment Workplan
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	09/03/2009
Action:	Other Report / Document
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	02/02/1995
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/13/1998
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 03/16/1998
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/23/1999
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/27/1999
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 07/27/1999
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 09/30/1999
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 03/31/2000
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 04/07/2003
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 09/30/2000
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 07/24/2001
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/10/2003
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date: 06/04/2003
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 08/22/2003
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/08/2008
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 10/12/1995
Action: Well Installation Workplan

Global Id: T0605902510
Action Type: RESPONSE
Date: 05/21/2004
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/18/1999
Action: Well Installation Workplan

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/17/1997
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 10/05/1998
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 04/21/1997
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 12/30/1999
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 05/31/2000
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 10/11/2001
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/09/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/12/2004
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 08/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 01/04/2001
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/28/2000
Action: Well Installation Workplan

Global Id: T0605902510
Action Type: RESPONSE
Date: 06/19/1998
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 04/05/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 06/21/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 09/26/2002
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 02/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE
Date: 04/09/2007
Action: Monitoring Report - Quarterly

Global Id: T0605902510
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date:	10/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	12/10/1997
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/28/2011
Action:	CAP/RAP - Other Report
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	10/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/31/2012
Action:	CAP/RAP - Other Report
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	05/26/2010
Action:	Correspondence
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	12/06/2011
Action:	Amendment to Order
Global Id:	T0605902510
Action Type:	Other
Date:	11/29/1994
Action:	Leak Began
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	11/01/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	08/15/1997
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id:	T0605902510
Action Type:	RESPONSE
Date:	02/28/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	08/01/1997
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	08/09/2005
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	12/23/2005
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	07/26/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	11/09/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	04/06/2006
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	09/25/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	05/24/2007
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	06/03/2013
Action:	Notification - Fee Title Owners Notice
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	08/08/2013
Action:	Closure/No Further Action Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Date:	02/06/2006
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Staff Letter
Global Id:	T0605902510
Action Type:	Other
Date:	11/30/1994
Action:	Leak Discovery
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/30/2011
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	10/30/2011
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	04/30/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	10/30/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	07/30/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	02/15/2011
Action:	Other Report / Document
Global Id:	T0605902510
Action Type:	RESPONSE
Date:	03/01/2011
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Global Id: T0605902510
Action Type: RESPONSE
Date: 03/15/2011
Action: Other Report / Document

Global Id: T0605902510
Action Type: RESPONSE
Date: 03/29/2011
Action: Other Report / Document

Global Id: T0605902510
Action Type: RESPONSE
Date: 07/01/2008
Action: Other Report / Document

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 87UT223
Released Substance: Waste oil/Used oil
Date Closed: 03/17/1993
Record ID: RO0001515

Region: ORANGE
Facility Id: 87UT223
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 03/17/1993
Record ID: RO0001515

Region: ORANGE
Facility Id: 87UT223
Released Substance: Unleaded gasoline
Date Closed: 03/17/1993
Record ID: RO0001515

LUST REG 9:

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3039
Local Case: 95UT2
Substance: Unleaded Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Other Means
How Stopped: Change Procedures
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/30/1994
Date Stopped: 11/30/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 01/05/1995
Desc Pollution: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-8719 (Continued)

S102657121

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/05/1995
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.28
GW Depth: S
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT3039

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT826

43
WNW
1/4-1/2
0.271 mi.
1429 ft.

CHEVRON STATION
32001 CAMINO CAPISTRANO
SAN JUAN CAPISTRANO, CA 92675

LUST **U003432883**
HIST CORTESE **N/A**

Relative:
Higher

LUST REG 9:

Region: 9
Status: Remediation Plan
Case Number: 9UT1351
Local Case: 89UT27
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/30/1988
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 2/10/89
Prelim Assess: 10/01/1988
Desc Pollution: 4/21/93
Remed Plan: 06/11/1993

Actual:
95 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION (Continued)

U003432883

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/10/1989
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: 13.5
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1351

I44
North
1/4-1/2
0.298 mi.
1574 ft.
SHELL SERVICE STATION
27101 ORTEGA
SAN JUAN CAPISTRANO, CA 92675
Site 1 of 4 in cluster I

LUST
ENF
HIST CORTESE
NPDES
S102437361
N/A

Relative:
Higher

LUST:

Actual:
156 ft.

Region: STATE
Global Id: T0605902592
Latitude: 33.502976512
Longitude: -117.657741
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/12/2006
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT490
LOC Case Number: 86UT062
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902592
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

Global Id: T0605902592
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: sr jagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902592
Status: Open - Case Begin Date
Status Date: 05/01/1986

Global Id: T0605902592
Status: Open - Site Assessment
Status Date: 02/05/1988

Global Id: T0605902592
Status: Open - Remediation
Status Date: 08/01/1988

Global Id: T0605902592
Status: Open - Verification Monitoring
Status Date: 05/01/1996

Global Id: T0605902592
Status: Completed - Case Closed
Status Date: 06/12/2006

Regulatory Activities:

Global Id: T0605902592
Action Type: Other
Date: 05/01/1986
Action: Leak Reported

Global Id: T0605902592
Action Type: REMEDIATION
Date: 08/01/1988
Action: Other (Use Description Field)

Global Id: T0605902592
Action Type: REMEDIATION
Date: 06/01/1992
Action: Other (Use Description Field)

Global Id: T0605902592
Action Type: REMEDIATION
Date: 10/01/1989
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605902592
Action Type: REMEDIATION
Date: 10/01/2001
Action: In Situ Physical/Chemical Treatment (other than SVE)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

Global Id:	T0605902592
Action Type:	ENFORCEMENT
Date:	03/04/2004
Action:	Staff Letter
Global Id:	T0605902592
Action Type:	ENFORCEMENT
Date:	05/26/2005
Action:	Staff Letter
Global Id:	T0605902592
Action Type:	ENFORCEMENT
Date:	06/12/2006
Action:	Closure/No Further Action Letter
Global Id:	T0605902592
Action Type:	ENFORCEMENT
Date:	01/03/2006
Action:	Staff Letter
Global Id:	T0605902592
Action Type:	Other
Date:	05/01/1986
Action:	Leak Discovery

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	86UT062
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	06/12/2006
Record ID:	RO0002310

LUST REG 9:

Region:	9
Status:	Remedial action (cleanup) Underway
Case Number:	9UT490
Local Case:	86UT62
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	FPEDVE
Local Agency:	Orange
How Found:	Tank Closure
How Stopped:	New Tank
Source:	Tank
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	05/01/1986
Date Stopped:	05/01/1986
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	03/11/1987
Desc Pollution:	Not reported
Remed Plan:	09/18/1987
Remed Action:	1/29/93

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

Began Monitor: Not reported
Release Date: 05/23/1986
Enforce Date: 8/18/87
Closed Date: Not reported
Enforce Type: Cleanup and Abatement Orders
Pilot Program: LOP
Basin Number: 901.28
GW Depth: 35'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: 87-123
Waste Discharge Requirement Number: Not reported

ENF:

Region: 9
Facility Id: 256716
Agency Name: Shell Oil Company - Anaheim
Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: 5541
SIC Desc 1: Gasoline Service Stations
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: 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
Program: UST
Program Category1: TANKS
Program Category2: TANKS
Of Programs: 1
WDID: 9 000209N87
Reg Measure Id: 160981
Reg Measure Type: Unregulated
Region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

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:	Historical
Status Date:	06/17/2005
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:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220635
Region:	9
Order / Resolution Number:	LT870818
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	08/18/1987
Adoption/Issuance Date:	Not reported
Achieve Date:	5/9/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000209N87
Description:	UNKNOWN
Program:	UST
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:	9
Facility Id:	256716
Agency Name:	Shell Oil Company - Anaheim
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
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:	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
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000209N87
Reg Measure Id:	160981
Reg Measure Type:	Unregulated
Region:	9
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:	Historical
Status Date:	06/17/2005
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:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220341
Region:	9
Order / Resolution Number:	96-043
Enforcement Action Type:	Clean-up and Abatement Order

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

Effective Date:	06/13/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	6/13/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000209N87
Description:	UNKNOWN
Program:	UST
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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	9UT490

NPDES:

Npdes Number:	Not reported
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	439670
Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 30C367143
Program Type:	Caltrans Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/18/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/03/2016
Discharge Name:	Caltrans District 12
Discharge Address:	3347 Michelson Drive
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

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 COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
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:	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
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	439670
Order No:	Not reported
Regulatory Measure Type:	Caltrans Construction
Place Id:	Not reported
WDID:	9 30C367143
Program Type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

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:	6/3/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	7/17/2013
PROCESSED DATE:	7/18/2013
STATUS CODE NAME:	Terminated
STATUS DATE:	6/3/2016
PLACE SIZE:	7.94
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bala Nanjappa
FACILITY CONTACT TITLE:	Principle Assistant Resident Engineer
FACILITY CONTACT PHONE:	949-279-8625
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bala_nanjappa@dot.ca.gov
OPERATOR NAME:	Caltrans District 12
OPERATOR ADDRESS:	3347 Michelson Drive
OPERATOR CITY:	Irvine
OPERATOR STATE:	California
OPERATOR ZIP:	92612
OPERATOR CONTACT NAME:	Mohammad Ravanipour
OPERATOR CONTACT TITLE:	Senior Resident Engineer
OPERATOR CONTACT PHONE:	949-279-8407
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	mohammad_ravanipour@dot.ca.gov
OPERATOR TYPE:	State Agency
DEVELOPER NAME:	Flatiron West Inc
DEVELOPER ADDRESS:	1770 La Costa Meadows Drive
DEVELOPER CITY:	San Marcos
DEVELOPER STATE:	California
DEVELOPER ZIP:	92078
DEVELOPER CONTACT NAME:	Patrick Sills
DEVELOPER CONTACT TITLE:	Project Engineer
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437361

DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Pacific Ocean
CERTIFIER NAME: Mohammad Ravanipour
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: 17-JUL-13
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

I45 **LOS CERRITOS RANCH**
North **31642 AVENIDA LOS CERRITOS**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92675**
0.305 mi.
1610 ft. **Site 2 of 4 in cluster I**

LUST **S105034725**
N/A

Relative:
Higher

Actual:
162 ft.
I46 **LOS CERRITOS RANCH**
North **31642 AVENIDA LOS CERRITOS**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92693**
0.305 mi.
1610 ft. **Site 3 of 4 in cluster I**

HIST UST **U001577812**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
162 ft.

HIST UST:
File Number: 0002ED3E
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ED3E.pdf>
Region: STATE
Facility ID: 00000037673
Facility Type: Other
Other Type: FARM
Contact Name: RAY HERNANDEZ
Telephone: 7144931627
Owner Name: ROBERT B. HONEYMAN
Owner Address: 31642 AVENIDA LOS CERRITOS
Owner City,St,Zip: SAN JUAN CAPISTRANO, CA 92675
Total Tanks: 0006

Tank Num: 001
Container Num: 1
Year Installed: 1945
Tank Capacity: 00060000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1975
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS CERRITOS RANCH (Continued)

U001577812

Container Num: 3
Year Installed: 1975
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 005
Container Num: 5
Year Installed: 1975
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: 1975
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

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

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT2116

I47
North
1/4-1/2
0.305 mi.
1610 ft.

ROMARCO REALTY CORP
31642 AVE LOS CERRITOS
SAN JUAN CAPISTRANO, CA 92673

Site 4 of 4 in cluster I

LUST S102436009
N/A

Relative:
Higher

LUST:

Region: STATE
Global Id: T0605902460
Latitude: 33.50354
Longitude: -117.656912
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/19/1994

Actual:
162 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROMARCO REALTY CORP (Continued)

S102436009

Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT2116
LOC Case Number: 92UT041
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902460
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902460
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902460
Status: Open - Case Begin Date
Status Date: 01/30/1992

Global Id: T0605902460
Status: Completed - Case Closed
Status Date: 09/19/1994

Regulatory Activities:

Global Id: T0605902460
Action Type: Other
Date: 01/30/1992
Action: Leak Reported

Global Id: T0605902460
Action Type: Other
Date: 01/30/1992
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 92UT041
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROMARCO REALTY CORP (Continued)

S102436009

Date Closed: 09/19/1994
Record ID: RO0001925

Region: ORANGE
Facility Id: 92UT041
Released Substance: Diesel fuel oil and additives, Nos. 1-D, 2-D, 2-4
Date Closed: 09/19/1994
Record ID: RO0001925

**J48
NNW
1/4-1/2
0.310 mi.
1636 ft.**

**TEXACO
26874 ORTEGA
SAN JUAN CAPISTRANO, CA 92675**

Site 1 of 2 in cluster J

**LUST
HIST UST
HIST CORTESE** **S104164229
N/A**

**Relative:
Higher**

LUST:

**Actual:
123 ft.**

Region: STATE
Global Id: T0605902524
Latitude: 33.501576392
Longitude: -117.6615491
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/04/2006
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT3189
LOC Case Number: 95UT022
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902524
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902524
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902524
Status: Open - Case Begin Date
Status Date: 03/07/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

S104164229

Global Id: T0605902524
Status: Open - Remediation
Status Date: 07/12/1995

Global Id: T0605902524
Status: Open - Verification Monitoring
Status Date: 07/06/2001

Global Id: T0605902524
Status: Completed - Case Closed
Status Date: 10/04/2006

Regulatory Activities:

Global Id: T0605902524
Action Type: Other
Date: 04/10/1995
Action: Leak Reported

Global Id: T0605902524
Action Type: REMEDIATION
Date: 05/17/1995
Action: Excavation

Global Id: T0605902524
Action Type: REMEDIATION
Date: 04/02/2001
Action: Soil Vapor Extraction (SVE)

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 04/29/2004
Action: Staff Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 08/03/2004
Action: Staff Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 11/17/2004
Action: Staff Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 10/04/2006
Action: Closure/No Further Action Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 02/09/2006
Action: Staff Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 03/02/2004
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

S104164229

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 10/07/2004
Action: Staff Letter

Global Id: T0605902524
Action Type: ENFORCEMENT
Date: 01/22/2004
Action: Staff Letter

Global Id: T0605902524
Action Type: Other
Date: 03/07/1995
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 95UT022
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 10/04/2006
Record ID: RO0001492

LUST REG 9:

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3189
Local Case: 95UT22
Substance: 0
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: / /
Date Stopped: / /
Confirm Date: 05/23/1995
Submit Workplan: 5/23/95
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/23/1995
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.28
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

S104164229

Priority: Not reported
File Disp: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:

File Number: 0002EEEE6
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EEEE6.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

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HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT3189

49
SW
1/4-1/2
0.317 mi.
1672 ft.

FORSTER CANYON LANDFILL
I-5 AT SAN JUAN CREEK ROAD
SAN JUAN CAPISTRANO CA, CA 92701

WMUDS/SWAT S101614092
N/A

Relative:
Lower

WMUDS/SWAT:

Edit Date: 19950525
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Primary Waste: SLDWST
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Secondary Waste: Not reported

Actual:
78 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORSTER CANYON LANDFILL (Continued)

S101614092

Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
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:	SAN JUAN MEADOWS, LP
Agency Department:	Not reported
Agency Address:	313 N BIRCH
Agency City,St,Zip:	SANTA ANA CA 92701
Agency Contact:	RAY POULTER
Agency Telephone:	7148360226
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:	9
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	EDWCDC
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
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:	BKM
Number of WMUDES at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	9 000000586
Solid Waste Information ID:	30-AB-0366

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K50 **SAN JUAN CAPISTRANO MS4**
SW **32400 PASEO ADELANTO**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92675**
0.318 mi.
1677 ft. **Site 1 of 4 in cluster K**

LUST **U001577804**
HIST UST **N/A**
ENF
NPDES

Relative:
Lower

LUST:

Actual:
75 ft.

Region: STATE
Global Id: T0605902372
Latitude: 33.493608957
Longitude: -117.6651472
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/11/1987
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT130
LOC Case Number: 86UT057
File Location: Local Agency
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902372
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902372
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srjagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902372
Status: Completed - Case Closed
Status Date: 06/11/1987

Global Id: T0605902372
Status: Open - Case Begin Date
Status Date: 06/11/1987

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 86UT057
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

Date Closed: 06/11/1987
Record ID: RO0002186

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT130
Local Case: 86UT57
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Structure Failure
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 04/04/1986
Date Stopped: 04/07/1986
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/28/1986
Enforce Date: Not reported
Closed Date: 7/24/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: 14'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:

File Number: 0002E7C4
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E7C4.pdf>
Region: STATE
Facility ID: 00000033526
Facility Type: Other
Other Type: MUNICIPAL GOVERNMENT
Contact Name: JOHN JONES
Telephone: 7144931171
Owner Name: CITY OF SAN JUAN CAPISTRANO
Owner Address: 32400 PASEO ADELANTO
Owner City,St,Zip: SAN JUAN CAPISTRANO, CA 92675
Total Tanks: 0003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

Tank Num: 001
Container Num: 003
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 002
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 001
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

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

ENF:

Region: 9
Facility Id: 255344
Agency Name: San Juan Capistrano City
Place Type: Utility
Place Subtype: MS4
Facility Type: All other facilities
Agency Type: City Agency
Of Agencies: 1
Place Latitude: 33.494907
Place Longitude: -117.665345
SIC Code 1: 9511
SIC Desc 1: Air and Water Resource and Solid Waste Management
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: 0
Threat To Water Quality: 1
Complexity: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	MNSTW1
Program Category1:	NPDESSW
Program Category2:	NPDESSW
# Of Programs:	1
WDID:	9 0000511S7
Reg Measure Id:	214401
Reg Measure Type:	Co-Permittee
Region:	9
Order #:	R9-2009-0002
Npdes# CA#:	CAS0108740
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/02/2015
Effective Date:	08/08/1996
Expiration/Review Date:	Not reported
Termination Date:	03/31/2015
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:	N
Individual/General:	I
Fee Code:	52 - Area Wide Municipal Storm Water Permit
Direction/Voice:	Passive
Enforcement Id(EID):	250267
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/15/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 0000511S7
Description:	Submit technical information by 11/15/03: 1. minimum BMPs for construction and existing development 2. verify BMP fact sheets prohibit non-storm water discharges 3. identify additional controls for 303(d) tributary areas
Program:	MNSTW1
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

NPDES:

Npdes Number: CAS0108740
Facility Status: Historical
Agency Id: 39740
Region: 9
Regulatory Measure Id: 214401
Order No: R9-2009-0002
Regulatory Measure Type: Co-Permittee
Place Id: 255344
WDID: 9 0000511S7
Program Type: MNSTW1
Adoption Date Of Regulatory Measure: 08/08/1996
Effective Date Of Regulatory Measure: 08/08/1996
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 03/31/2015
Discharge Name: San Juan Capistrano City
Discharge Address: 32400 Paseo Adelanto
Discharge City: San Juan Capistrano
Discharge State: CA
Discharge Zip: 92675
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

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:	CAS0109266
Facility Status:	Active
Agency Id:	39740
Region:	9
Regulatory Measure Id:	400117
Order No:	R9-2013-0001
Regulatory Measure Type:	Co-Permittee
Place Id:	255344
WDID:	9 0000511S7
Program Type:	MNSTW1
Adoption Date Of Regulatory Measure:	02/11/2015
Effective Date Of Regulatory Measure:	04/01/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Juan Capistrano City
Discharge Address:	32400 Paseo Adelanto
Discharge City:	San Juan Capistrano
Discharge State:	CA
Discharge Zip:	92675
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO MS4 (Continued)

U001577804

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

K51 **CITY HALL**
SW **32400 PASEO ADELANTO**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 90000**
0.318 mi.
1677 ft. **Site 2 of 4 in cluster K**

HIST CORTESE **U003432917**
N/A

Relative:	HIST CORTESE:	
Lower	Region:	CORTESE
	Facility County Code:	30
Actual:	Reg By:	LTNKA
75 ft.	Reg Id:	9UT130

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K52
SW
1/4-1/2
0.318 mi.
1677 ft.
CITY HALL
32400 PASEO ADELANTO ST
SAN JUAN CAPISTRANO, CA 92675
Site 3 of 4 in cluster K

LUST **S105034510**
N/A

Relative:
Lower

Actual:
75 ft.
K53
SW
1/4-1/2
0.318 mi.
1677 ft.
CITY OF SAN JUAN CAPISTRANO LVTOP.
32400 PASEO ADELANTO -500' N. DEL OBISPO
SAN JUAN CAPISTRANO, CA
Site 4 of 4 in cluster K

SWF/LF **S109422301**
N/A

Relative:
Lower

SWF/LF (SWIS):

Actual:
75 ft.

Region: STATE
Facility ID: 30-AB-0423
Lat/Long: 33.50128 / -117.666
Owner Name: City of San Juan Capistrano
Owner Telephone: 9492344413
Owner Address: Solid Waste Recycling Coordinator
Owner Address2: 32400 Paseo Adelanto
Owner City,St,Zip: San Juan Capistrano, CA 92675
Operational Status: Active
Operator: City of San Juan Capistrano
Operator Phone: 9492344413
Operator Address: Solid Waste Recycling Coordinator
Operator Address2: 32400 Paseo Adelanto
Operator City,St,Zip: San Juan Capistrano, CA 92675
Permit Date: 07/31/2008
Permit Status: Notification
Permitted Acreage: \$0,50
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Residential,Commercial
GIS Source: Map
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Annual
Accepted Waste: Green Materials,Mixed municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 30-AB-0423
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 40
Actual Throughput with Units: Cu Yards/day
Permitted Capacity with Units: 4160
Remaining Capacity: Not reported
Remaining Capacity with Units: Cu Yards/year
Lat/Long: 33.50128 / -117.666

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J54 ARCO STATION #1706
NNW 26851 ORTEGA HWY
1/4-1/2 SAN JUAN CAPISTRANO, CA 92675
0.330 mi.
1743 ft. Site 2 of 2 in cluster J

LUST S101307837
HIST CORTESE N/A

Relative:
Higher

LUST:

Actual:
124 ft.

Region: STATE
Global Id: T0605902440
Latitude: 33.50212
Longitude: -117.661437
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/12/1999
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT1915
LOC Case Number: 91UT021
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605902440
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902440
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srjagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902440
Status: Open - Case Begin Date
Status Date: 12/04/1990

Global Id: T0605902440
Status: Completed - Case Closed
Status Date: 05/12/1999

Regulatory Activities:

Global Id: T0605902440
Action Type: Other
Date: 12/04/1990
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO STATION #1706 (Continued)

S101307837

Global Id: T0605902440
Action Type: REMEDIATION
Date: 06/13/1994
Action: Excavation

Global Id: T0605902440
Action Type: Other
Date: 12/04/1990
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 91UT021
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/12/1999
Record ID: RO0001337

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT1915
Local Case: 91UT21
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Remove Free Product - remove floating product from water table
Local Agency: Orange
How Found: Other Means
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 07/18/1990
Date Stopped: 02/11/1999
Confirm Date: / /
Submit Workplan: 2/14/91
Prelim Assess: 03/28/1991
Desc Pollution: Not reported
Remed Plan: 04/13/1993
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/18/1990
Enforce Date: Not reported
Closed Date: 5/12/99
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.28
GW Depth: 39'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Disp: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO STATION #1706 (Continued)

S101307837

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1915

55
NNW
1/4-1/2
0.407 mi.
2147 ft.

SAN JUAN ELEMENTARY SCHOOL
31642 EL CAMINO REAL
SAN JUAN CAPISTRANO, CA 92675

ENVIROSTOR S105088327
SCH N/A

Relative:
Higher

ENVIROSTOR:

Actual:
127 ft.

Facility ID: 60000050
Status: Inactive - Withdrawn
Status Date: 12/27/2005
Site Code: 404514
Site Type: School Investigation
Site Type Detailed: School
Acres: 8
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Rafat Abbasi
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 73
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.5039
Longitude: -117.6615
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES, AGRICULTURAL - ORCHARD, SCHOOL - ELEMENTARY
Potential COC: Arsenic Chlordane DDD DDE DDT Lead
Confirmed COC: 30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description: SOIL
Alias Name: CAPISTRANO USD-SAN JUAN ELEMENTARY SCL
Alias Type: Alternate Name
Alias Name: 110021641829
Alias Type: EPA (FRS #)
Alias Name: 404514
Alias Type: Project Code (Site Code)
Alias Name: 60000050
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/27/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN ELEMENTARY SCHOOL (Continued)

S105088327

Completed Date: 01/15/2004
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

SCH:

Facility ID: 60000050
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Rafat Abbasi
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404514
Assembly: 73
Senate: 36
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 12/27/2005
Restricted Use: NO
Funding: School District
Latitude: 33.5039
Longitude: -117.6615
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES, AGRICULTURAL - ORCHARD, SCHOOL - ELEMENTARY
Potential COC: Arsenic, Chlordane, DDD, DDE, DDT, Lead
Confirmed COC: 30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO
Potential Description: SOIL
Alias Name: CAPISTRANO USD-SAN JUAN ELEMENTARY SCL
Alias Type: Alternate Name
Alias Name: 110021641829
Alias Type: EPA (FRS #)
Alias Name: 404514
Alias Type: Project Code (Site Code)
Alias Name: 60000050
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/27/2005
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN ELEMENTARY SCHOOL (Continued)

S105088327

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/15/2004
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

L56
ENE
1/4-1/2
0.429 mi.
2267 ft.

SAN JUAN CAPISTRANO LANDFILL
NEAR SAN JUAN CREEK 300' N
SAN JUAN CAPISTRANO, CA

WMUDS/SWAT **S103442733**
N/A

Site 1 of 2 in cluster L

Relative:
Higher

WMUDS/SWAT:

Actual:
102 ft.

Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: ORANGE, COUNTY OF
Agency Department: SOLID WASTE MANAGEMENT
Agency Address: 1300 SOUTH GRAND AVENUE
Agency City,St,Zip: SANTA ANA 92705
Agency Contact: FRANK BOWERMAN, DIRECTOR
Agency Telephone: Not reported
Land Owner Name: UNKNOWN
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 9
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CAPISTRANO LANDFILL (Continued)

S103442733

Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: ORANGE, COUNTY OF
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: MA
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 9 300005NUR
Solid Waste Information ID: Not reported

L57
ENE
1/4-1/2
0.429 mi.
2267 ft.

FORSTER CANYON LANDFILL STN 17
FORSTER CANYON ROAD
SAN JUAN CAPISTRANO ,CA, CA

WMUDS/SWAT S103442727
N/A

Site 2 of 2 in cluster L

Relative:
Higher

Actual:
102 ft.

WMUDS/SWAT:

Edit Date: Not reported
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Primary Waste: SLDWST
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
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: CAPISTRANO ASCOT DEVELOPMENT
Agency Department: INTEGRATED WASTE MANAGEMENT
Agency Address: 55 WEST MONROE STE 1500
Agency City,St,Zip: CHICAGO ,IL 60603
Agency Contact: MR. MICHAEL F. SEXTON
Agency Telephone: 3123725600
Land Owner Name: SAN JUAN CREEK ASSOCIATES
Land Owner Address: 2300 MICHALSON, SUITE 800
Land Owner City,St,Zip: IRVINE, CA 92714
Land Owner Contact: MR. RAY POULTER
Land Owner Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORSTER CANYON LANDFILL STN 17 (Continued)

S103442727

Region: 9
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: 9511
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: COUNTY OF ORANGE
Threat to Water Quality: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Aesthetic impairment would include nuisance from a waste treatment facility.

Sub Chapter 15: True
Regional Board Project Officer: AMM
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: H
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 9 000036N90
Solid Waste Information ID: Not reported

58
WNW
1/4-1/2
0.490 mi.
2589 ft.

DEL OBISPO NO. 3
2 ML N HWY 1, NEAR CAPISTRANO B
SAN JUAN CAPISTRANO, CA

WMUDS/SWAT S101311408
N/A

Relative:
Higher

Actual:
86 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: ORANGE, COUNTY OF
Agency Department: Not reported
Agency Address: Not reported
Agency City, St, Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL OBISPO NO. 3 (Continued)

S101311408

Land Owner Name: UNKNOWN
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 9
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: ORANGE, COUNTY OF
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: MA
Number of WMUDS at Facility: 1
Section Range: 8S 8W 23NW
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 9 300004NUR
Solid Waste Information ID: Not reported

M59 **MISSION PIPE AND SUPPLY CO**
West **32107 ALIPAZ**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92675**
0.498 mi.
2627 ft.

LUST **S102433430**
HIST CORTESE **N/A**

Site 1 of 2 in cluster M

Relative: **LUST:**
Lower Region: STATE
Global Id: T0605902439
Actual: Latitude: 33.49638
78 ft. Longitude: -117.667999
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/10/1991
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT1906
LOC Case Number: 91UT024
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION PIPE AND SUPPLY CO (Continued)

S102433430

Global Id: T0605902439
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902439
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srjagopal@ochca.com
Phone Number: 7144336262

Status History:
Global Id: T0605902439
Status: Open - Case Begin Date
Status Date: 01/29/1991

Global Id: T0605902439
Status: Completed - Case Closed
Status Date: 05/10/1991

Regulatory Activities:
Global Id: T0605902439
Action Type: Other
Date: 01/29/1991
Action: Leak Reported

Global Id: T0605902439
Action Type: Other
Date: 01/29/1991
Action: Leak Discovery

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 91UT024
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/10/1991
Record ID: RO0001423

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1906

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M60 **MISSION PIPE & SUPPLY COMPANY**
West **32107 ALIPAZ ST**
1/4-1/2 **SAN JUAN CAPISTRANO, CA 92675**
0.498 mi.
2627 ft. **Site 2 of 2 in cluster M**

LUST **S102433429**
 N/A

Relative: LUST REG 9:
Lower Region: 9
 Status: Case Closed
Actual: Case Number: 9UT1906
78 ft. Local Case: 91UT24
 Substance: Gasoline
 Qty Leaked: Not reported
 Abate Method: Not reported
 Local Agency: Orange
 How Found: Not reported
 How Stopped: Not reported
 Source: Unknown
 Cause: Unknown
 Lead Agency: Local Agency
 Case Type: Soil only
 Date Found: 01/29/1991
 Date Stopped: / /
 Confirm Date: / /
 Submit Workplan: 2/13/91
 Prelim Assess: / /
 Desc Pollution: Not reported
 Remed Plan: / /
 Remed Action: Not reported
 Began Monitor: Not reported
 Release Date: 01/29/1991
 Enforce Date: Not reported
 Closed Date: 5/10/91
 Enforce Type: Not reported
 Pilot Program: LOP
 Basin Number: Not reported
 GW Depth: Not reported
 Beneficial Use: Not reported
 NPDES Number: Not reported
 Priority: Not reported
 File Dispn: File discarded, case closed
 Interim Remedial Actions: No
 Cleanup and Abatement order Number: Not reported
 Waste Discharge Requirement Number: Not reported

61 **SOLAG DISPOSAL SITE**
WNW **31731 PASEO ADELANTO**
1/2-1 **SAN JUAN CAPISTR, CA 92675**
0.519 mi.
2738 ft.

ENVIROSTOR **S104241827**
 LUST **N/A**
 VCP
HIST CORTESE

Relative: ENVIROSTOR:
Higher Facility ID: 30990002
 Status: No Further Action
Actual: Status Date: 05/02/2001
84 ft. Site Code: 400786
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.83
 NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOLAG DISPOSAL SITE (Continued)

S104241827

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Assembly: 73
Senate: 36
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.49715
Longitude: -117.6784
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, JUNKYARD
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Polynuclear aromatic hydrocarbons (PAHs Beryllium and compounds
Confirmed COC: 30019-NO 30080-NO 30001-NO 30005-NO Lead
Potential Description: OTH, SOIL
Alias Name: SOLAG DISPOSAL SITE
Alias Type: Alternate Name
Alias Name: 110033606060
Alias Type: EPA (FRS #)
Alias Name: 400786
Alias Type: Project Code (Site Code)
Alias Name: 30990002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/13/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement with Solag Disposal for the review and comment on the results of previous investigations that were conducted without DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/02/2001
Comments: The PEA Report was approved. DTSC recommended that the monitoring wells constructed on-site should be properly abandoned.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/29/2000
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOLAG DISPOSAL SITE (Continued)

S104241827

Schedule Revised Date: Not reported

LUST:

Region: STATE
Global Id: T0605902548
Latitude: 33.4980055
Longitude: -117.6653965
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/26/1998
Lead Agency: ORANGE COUNTY LOP
Case Worker: SR
Local Agency: ORANGE COUNTY LOP
RB Case Number: 9UT3568
LOC Case Number: 97UT048
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

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

Contact:

Global Id: T0605902548
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605902548
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Status History:

Global Id: T0605902548
Status: Open - Case Begin Date
Status Date: 11/03/1997

Global Id: T0605902548
Status: Completed - Case Closed
Status Date: 02/26/1998

Regulatory Activities:

Global Id: T0605902548
Action Type: Other
Date: 11/03/1997
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOLAG DISPOSAL SITE (Continued)

S104241827

Global Id: T0605902548
Action Type: Other
Date: 11/03/1997
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 97UT048
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 02/26/1998
Record ID: RO0002221

VCP:

Facility ID: 30990002
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.83
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Johnson Abraham
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Site Code: 400786
Assembly: 73
Senate: 36
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 05/02/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.49715 / -117.6784
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, JUNKYARD
Potential COC: 30001, 30005, 30013, 30019, 30080
Confirmed COC: 30019-NO,30080-NO,30001-NO,30005-NO,30013
Potential Description: OTH, SOIL
Alias Name: SOLAG DISPOSAL SITE
Alias Type: Alternate Name
Alias Name: 110033606060
Alias Type: EPA (FRS #)
Alias Name: 400786
Alias Type: Project Code (Site Code)
Alias Name: 30990002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/13/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement with Solag Disposal for the review and comment on the results of previous investigations that were conducted without DTSC oversight.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOLAG DISPOSAL SITE (Continued)

S104241827

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/02/2001
Comments: The PEA Report was approved. DTSC recommended that the monitoring wells constructed on-site should be properly abandoned.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/29/2000
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

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT3568

62
ENE
1/2-1
0.688 mi.
3630 ft.

AMBUEHL ELEMENTARY SCHOOL
28001 SAN JUAN CREEK ROAD
SAN JUAN CAPISTRANO, CA 92675

ENVIROSTOR **S106568087**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:

Actual:
119 ft.

Facility ID: 30820019
Status: No Further Action
Status Date: 06/15/2004
Site Code: 404513
Site Type: School Investigation
Site Type Detailed: School
Acres: 0.5
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 73
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.48373
Longitude: -117.6717

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMBUEHL ELEMENTARY SCHOOL (Continued)

S106568087

APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: DDD DDE DDT Toxaphene
Confirmed COC: 30023-NO 30006-NO 30007-NO 30008-NO
Potential Description: NMA
Alias Name: AMBUEHL ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: CAPISTRANO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: CAPISTRANO USD-AMBUEHL ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 110021672288
Alias Type: EPA (FRS #)
Alias Name: 404513
Alias Type: Project Code (Site Code)
Alias Name: 30820019
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/21/2004
Comments: Processed CRU Memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/13/2004
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMBUEHL ELEMENTARY SCHOOL (Continued)

S106568087

SCH:

Facility ID: 30820019
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.5
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404513
Assembly: 73
Senate: 36
Special Program Status: Not reported
Status: No Further Action
Status Date: 06/15/2004
Restricted Use: NO
Funding: School District
Latitude: 33.48373
Longitude: -117.6717
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: DDD, DDE, DDT, Toxaphene
Confirmed COC: 30023-NO, 30006-NO, 30007-NO, 30008-NO
Potential Description: NMA
Alias Name: AMBUEHL ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: CAPISTRANO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: CAPISTRANO USD-AMBUEHL ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 110021672288
Alias Type: EPA (FRS #)
Alias Name: 404513
Alias Type: Project Code (Site Code)
Alias Name: 30820019
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/15/2004
Comments: Not reported

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

AMBUEHL ELEMENTARY SCHOOL (Continued)

S106568087

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/21/2004
Comments: Processed CRU Memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/13/2004
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

63
NE
1/2-1
0.697 mi.
3679 ft.

TUTOR TIME DAY CARE CENTER
31711 SAN JUAN CREEK ROAD
SAN JUAN CAPISTRANO, CA 92675

ENVIROSTOR S118756663
SCH N/A

Relative:
Higher

Actual:
110 ft.

ENVIROSTOR:
Facility ID: 30820013
Status: No Action Required
Status Date: 03/27/2003
Site Code: 404436
Site Type: School Investigation
Site Type Detailed: School
Acres: 3.7
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 73
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.48373
Longitude: -117.6717
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TUTOR TIME DAY CARE CENTER (Continued)

S118756663

Potential Description: NMA
Alias Name: CAPISTRANO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: CAPISTRANO USD-TUTOR TIME DAY CARE CENTR
Alias Type: Alternate Name
Alias Name: TUTOR TIME DAY CARE CENTER
Alias Type: Alternate Name
Alias Name: 404436
Alias Type: Project Code (Site Code)
Alias Name: 30820013
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/27/2003
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

SCH:

Facility ID: 30820013
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.7
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404436
Assembly: 73
Senate: 36
Special Program Status: Not reported
Status: No Action Required
Status Date: 03/27/2003
Restricted Use: NO
Funding: School District

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TUTOR TIME DAY CARE CENTER (Continued)

S118756663

Latitude: 33.48373
Longitude: -117.6717
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: CAPISTRANO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: CAPISTRANO USD-TUTOR TIME DAY CARE CENTR
Alias Type: Alternate Name
Alias Name: TUTOR TIME DAY CARE CENTER
Alias Type: Alternate Name
Alias Name: 404436
Alias Type: Project Code (Site Code)
Alias Name: 30820013
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/27/2003
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

64
North
1/2-1
0.708 mi.
3738 ft.

PLANT DEPOT SCHOOL SITE
31251 AVENIDA LOS CERRITOS
SAN JUAN CAPISTRANO, CA 92675

ENVIROSTOR S105840767
SCH N/A

Relative:
Higher

ENVIROSTOR:

Facility ID: 30070001
Status: Inactive - Needs Evaluation
Status Date: 07/01/2003
Site Code: 404437
Site Type: School Investigation
Site Type Detailed: School
Acres: 5.81
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

Actual:
251 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLANT DEPOT SCHOOL SITE (Continued)

S105840767

Program Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 73
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.508
Longitude: -117.6592
APN: NONE SPECIFIED
Past Use: * AGRICULTURAL SERVICES
Potential COC: Arsenic Nitrate
Confirmed COC: Arsenic
Potential Description: NONE SPECIFIED
Alias Name: ORANGE COE-PROPOSED PLANT DEPOT SITE
Alias Type: Alternate Name
Alias Name: ORANGE COUNTY DEPARTMENT OF EDUCATION
Alias Type: Alternate Name
Alias Name: PLANT DEPOT SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 404437
Alias Type: Project Code (Site Code)
Alias Name: 30070001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2003
Comments: Refund letter for unused portion of advanced payment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/20/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/25/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 07/22/2013
Comments: Orange County Superintendent of Schools notified DTSC of termination of the Environmental Oversight Agreement. The Superintendent

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLANT DEPOT SCHOOL SITE (Continued)

S105840767

determine that the property is not feasible for a school at this time.
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

SCH:

Facility ID: 30070001
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.81
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404437
Assembly: 73
Senate: 36
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 07/01/2003
Restricted Use: NO
Funding: School District
Latitude: 33.508
Longitude: -117.6592
APN: NONE SPECIFIED
Past Use: * AGRICULTURAL SERVICES
Potential COC: Arsenic, Nitrate
Confirmed COC: Arsenic
Potential Description: NONE SPECIFIED
Alias Name: ORANGE COE-PROPOSED PLANT DEPOT SITE
Alias Type: Alternate Name
Alias Name: ORANGE COUNTY DEPARTMENT OF EDUCATION
Alias Type: Alternate Name
Alias Name: PLANT DEPOT SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 404437
Alias Type: Project Code (Site Code)
Alias Name: 30070001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLANT DEPOT SCHOOL SITE (Continued)

S105840767

Completed Date: 03/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2003
Comments: Refund letter for unused portion of advanced payment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/20/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/25/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 07/22/2013
Comments: Orange County Superintendent of Schools notified DTSC of termination of the Environmental Oversight Agreement. The Superintendent determine that the property is not feasible for a school at this time.
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

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAGUNA NIGUEL	S113473490	SHELL OIL	28662 CAMINO CAPISTRANO	92675	LUST

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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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 312-886-8686

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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	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 known 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: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/31/2017
	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: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/25/2017
Next Scheduled EDR Contact: 07/31/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/30/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/30/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/30/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

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: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/13/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 05/29/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	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: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/29/2017

Next Scheduled EDR Contact: 07/10/2017

Data Release Frequency: Annually

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: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

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: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

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: 11/14/2016

Date Data Arrived at EDR: 11/15/2016

Date Made Active in Reports: 01/20/2017

Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/15/2017

Next Scheduled EDR Contact: 05/29/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, 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.

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: Geotracker's Leaking Underground Fuel Tank Report

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: 12/12/2016

Date Data Arrived at EDR: 12/14/2016

Date Made Active in Reports: 01/20/2017

Number of Days to Update: 37

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 03/14/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Quarterly

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

Date Data Arrived at EDR: 04/23/2001

Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595

Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

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 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

Date Data Arrived at EDR: 02/26/2004

Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943

Last EDR Contact: 08/01/2011

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

Date Data Arrived at EDR: 06/07/2005

Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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
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 Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

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 R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

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: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

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: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC: Statewide SLIC Cases

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: 12/12/2016

Date Data Arrived at EDR: 12/14/2016

Date Made Active in Reports: 01/23/2017

Number of Days to Update: 40

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 03/14/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016	Source: SWRCB
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-341-5851
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 03/16/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Semi-Annually

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: 03/24/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

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: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 120	Next Scheduled EDR Contact: 08/07/2017
	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: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/07/2017
	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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

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: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/07/2017
	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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/28/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/07/2017
	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: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

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: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/28/2017
Number of Days to Update: 119	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

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: 10/31/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/01/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/18/2017	Last EDR Contact: 01/31/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/08/2017
	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

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: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

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: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
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: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
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: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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.

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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
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: 08/31/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
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: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	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: 12/01/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 707-463-4466
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 02/27/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/12/2017
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	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: 03/06/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/07/2017	Telephone: 916-323-3400
Date Made Active in Reports: 04/21/2017	Last EDR Contact: 03/06/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/19/2017
	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: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/21/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

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: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 45

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
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: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

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: 09/26/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 83

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

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: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/30/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 02/03/2017
Next Scheduled EDR Contact: 05/29/2017
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: 10/11/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
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: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
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: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
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: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
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: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
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: 04/25/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	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: 04/10/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/24/2017
	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: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	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: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	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: 02/03/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/22/2017
	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: 03/06/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/19/2017
	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: 03/06/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/19/2017
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/07/2017
	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: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/17/2017
	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: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
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: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
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: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
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: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
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: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
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: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
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
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
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: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
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: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 06/19/2017
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: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 04/17/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Varies

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: 11/21/2016	Source: EPA
Date Data Arrived at EDR: 11/22/2016	Telephone: 800-385-6164
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/22/2017
Number of Days to Update: 73	Next Scheduled EDR Contact: 06/05/2017
	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: 12/28/2016	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/28/2016	Telephone: 916-323-3400
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/10/2017
	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: 09/02/2016	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/27/2016	Telephone: 916-327-4498
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 03/27/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/19/2017
	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: 12/31/2014	Source: California Air Resources Board
Date Data Arrived at EDR: 09/23/2016	Telephone: 916-322-2990
Date Made Active in Reports: 10/24/2016	Last EDR Contact: 03/21/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/03/2017
	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: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
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
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
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: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
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: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
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: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

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: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
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: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
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: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
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: 10/06/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 121

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
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: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
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: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
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 Historic Gas 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 Historic Dry 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: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 90

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

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: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list:

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
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: 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: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 51

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
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: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

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: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/18/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 58

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
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: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/11/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 93

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 41

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 79

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
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: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016

Date Data Arrived at EDR: 09/06/2016

Date Made Active in Reports: 10/14/2016

Number of Days to Update: 38

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 03/06/2017

Next Scheduled EDR Contact: 06/19/2017

Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017

Date Data Arrived at EDR: 04/20/2017

Date Made Active in Reports: 04/21/2017

Number of Days to Update: 1

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/20/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016

Date Data Arrived at EDR: 10/25/2016

Date Made Active in Reports: 01/10/2017

Number of Days to Update: 77

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/20/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016

Date Data Arrived at EDR: 01/05/2017

Date Made Active in Reports: 03/02/2017

Number of Days to Update: 56

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/04/2017

Next Scheduled EDR Contact: 07/17/2017

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: 11/08/2016

Date Data Arrived at EDR: 01/05/2017

Date Made Active in Reports: 03/02/2017

Number of Days to Update: 56

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/04/2017

Next Scheduled EDR Contact: 07/17/2017

Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
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: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

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: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/21/2016

Date Data Arrived at EDR: 12/27/2016

Date Made Active in Reports: 02/14/2017

Number of Days to Update: 49

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 03/20/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/17/2016

Date Data Arrived at EDR: 11/21/2016

Date Made Active in Reports: 01/19/2017

Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596

Last EDR Contact: 02/21/2017

Next Scheduled EDR Contact: 06/05/2017

Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016

Date Data Arrived at EDR: 06/07/2016

Date Made Active in Reports: 06/22/2016

Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 03/09/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017

Date Data Arrived at EDR: 04/07/2017

Date Made Active in Reports: 04/21/2017

Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 03/27/2017

Next Scheduled EDR Contact: 06/26/2017

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: 805-886-8167

Last EDR Contact: 02/21/2017

Next Scheduled EDR Contact: 06/05/2017

Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
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: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/13/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 12/22/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
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: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/26/2016	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/17/2017	Last EDR Contact: 04/24/2017
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/07/2017
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 03/31/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/17/2017
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/13/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/29/2017
	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: 09/26/2016	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/24/2017	Last EDR Contact: 04/24/2017
Number of Days to Update: 89	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2016	Source: Environmental Health Division
Date Data Arrived at EDR: 12/14/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/15/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016	Source: Yolo County Department of Health
Date Data Arrived at EDR: 11/18/2016	Telephone: 530-666-8646
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/31/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016

Date Data Arrived at EDR: 11/03/2016

Date Made Active in Reports: 12/15/2016

Number of Days to Update: 42

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 01/30/2017

Next Scheduled EDR Contact: 05/08/2017

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: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 11/11/2016

Next Scheduled EDR Contact: 02/27/2017

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 01/03/2017

Number of Days to Update: 96

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/11/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Annually

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: 01/30/2017

Date Data Arrived at EDR: 02/01/2017

Date Made Active in Reports: 02/13/2017

Number of Days to Update: 12

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 02/01/2017

Next Scheduled EDR Contact: 05/08/2017

Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015

Date Data Arrived at EDR: 07/22/2016

Date Made Active in Reports: 11/22/2016

Number of Days to Update: 123

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 04/18/2017

Next Scheduled EDR Contact: 07/31/2017

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: 02/21/2017

Next Scheduled EDR Contact: 06/05/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015

Date Data Arrived at EDR: 04/14/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 50

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/13/2017

Next Scheduled EDR Contact: 06/26/2017

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

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.

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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WATT - SAN JUAN CAPISTRANO
CALLE ARROYO & PASEO TIRADOR
SAN JUAN CAPISTRANO, CA 92675

TARGET PROPERTY COORDINATES

Latitude (North):	33.496732 - 33° 29' 48.24"
Longitude (West):	117.65777 - 117° 39' 27.97"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	438898.6
UTM Y (Meters):	3706357.8
Elevation:	82 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640932 DANA POINT, CA
Version Date:	2012
North Map:	5641316 SAN JUAN CAPISTRANO, 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).

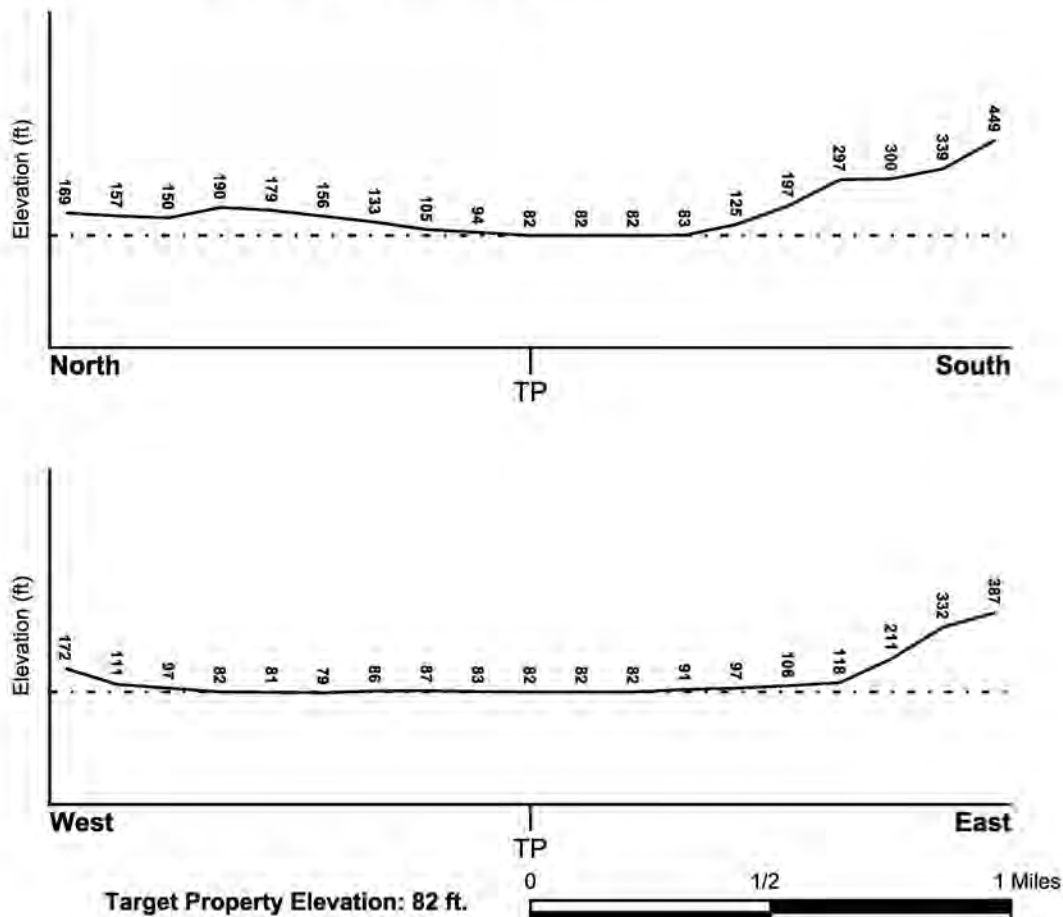
TOPOGRAPHIC INFORMATION

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 South

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>
06059C0506J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0443J	FEMA FIRM Flood data
06059C0444J	FEMA FIRM Flood data
06059C0507J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
DANA POINT	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>
3	1/4 - 1/2 Mile North	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

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

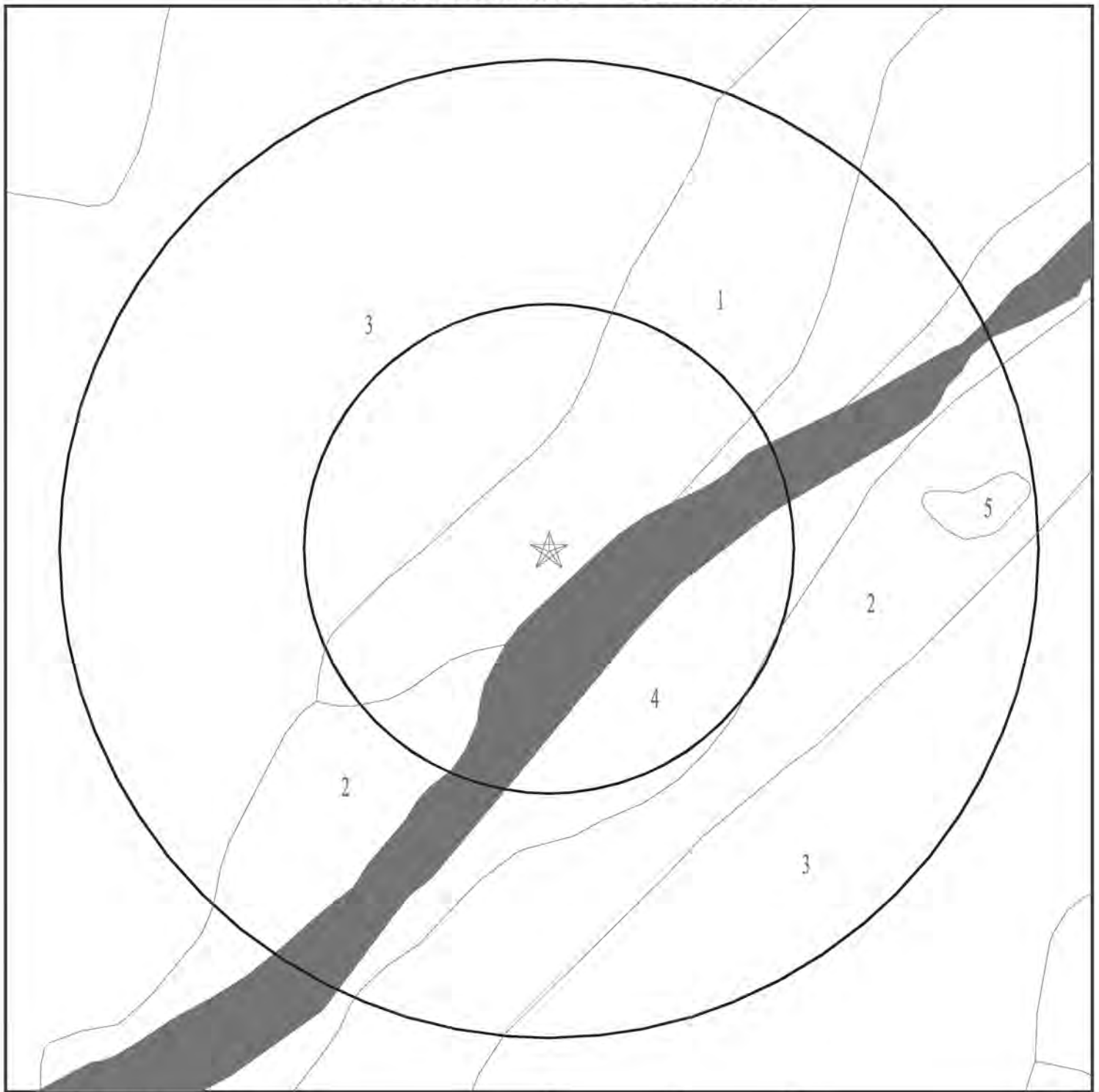
Era: Cenozoic
System: Tertiary
Series: Miocene
Code: Tm (decoded above as Era, System & Series)

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 - 4922940.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano CA 92675
LAT/LONG: 33.496732 / 117.65777

CLIENT: Stantec
CONTACT: Dion Monge
INQUIRY #: 4922940.2s
DATE: May 01, 2017 2:26 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: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	11 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 6.1
2	11 inches	61 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 1	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CORRALITOS

Soil Surface Texture: loamy 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6
2	9 inches	59 inches	stratified sand to loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6

Soil Map ID: 3

Soil Component Name: SORRENTO

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	11 inches	clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1
2	11 inches	61 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: RIVERWASH

Soil Surface Texture: sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 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), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified coarse sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

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 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CA3010030	1/4 - 1/2 Mile NW

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CADW60000031511	1/4 - 1/2 Mile NE
4	CADW60000005099	1/4 - 1/2 Mile WNW
A5	8658	1/2 - 1 Mile WNW
A6	7923	1/2 - 1 Mile WNW
A7	8655	1/2 - 1 Mile WNW
A8	8656	1/2 - 1 Mile WNW
9	CADW60000005098	1/2 - 1 Mile SW
10	8657	1/2 - 1 Mile NW
11	CADW60000035244	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 4922940.2s



- 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

SITE NAME: Watt - San Juan Capistrano
 ADDRESS: Calle Arroyo & Paseo Tirador
 San Juan Capistrano CA 92675
 LAT/LONG: 33.496732 / 117.65777

CLIENT: Stantec
 CONTACT: Dion Monge
 INQUIRY #: 4922940.2s
 DATE: May 01, 2017 2:26 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

NW

FRDS PWS

CA3010030

1/4 - 1/2 Mile
Higher

Epa region:	09	State:	CA
Pwsid:	CA3010030		
Pwsname:	CITY OF SAN JUAN CAPISTRANO		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06059
Status:	Active	Pop svrd:	40000
Pwssvconn:	11143	Source:	Purch_surface_water
Pws type:	CWS	Owner:	Local_Govt
Contact:	CURRY, WILLIAM		
Contact or gname:	CURRY, WILLIAM		
Contact phone:	949-487-4307	Contact address1:	32400 PASEO ADELANTO
Contact address2:	Not Reported	Contact city:	SAN JUAN CAPISTRANO
Contact state:	CA	Contact zip:	92675
Activity code:	A		

Facid:	2759		
Facname:	NORTH OPEN SPACE WELL - TRT CL	XCLD	
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	2760		
Facname:	ROSENBAUM WELL 01 - TRT CL	XCLD	
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Location Information:			
Name:	CITY OF SAN JUAN CAPISTRANO		
Pwstypcd:	CWS	Primsrccd:	SWP
Popsvrd:	40000		
Add1:	32400 PASEO ADELANTO		
Add2:	Not Reported		
City:	SAN JUAN CAPISTRANO	State:	CA
Zip:	92675	Phone:	949-487-4307
Cityserv:	SAN JUAN CAPISTRANO	Cnty serv:	Orange
Stateserv:	CA	Zip serv:	Not Reported

Enforcement Information:			
Violation id:	9608011	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Enforcement Information:			
Violation id:	9608011	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Information:			
Violation id:	9608010	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving
Enforcement Information:			
Violation id:	9608010	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal
Enforcement Information:			
Violation id:	9608009	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal
Enforcement Information:			
Violation id:	9608009	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving
Enforcement Information:			
Violation id:	9608008	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal
Enforcement Information:			
Violation id:	9608008	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving
Enforcement Information:			
Violation id:	9608007	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal
Enforcement Information:			
Violation id:	9608007	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving
Enforcement Information:			
Violation id:	9608006	Orig cd:	S
Enf fy:	2013	Enf act date:	09/25/2013
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal
Enforcement Information:			
Violation id:	9608006	Orig cd:	S
Enf fy:	2013	Enf act date:	08/14/2013
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving
Enforcement Information:			
Violation id:	9608004	Orig cd:	S
Enf fy:	2012	Enf act date:	07/24/2012
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Information:

Violation id:	9608003	Orig cd:	S
Enf fy:	2012	Enf act date:	07/24/2012
Enf act detail:	St Violation/Reminder Notice	Enf act cat:	Informal

Violations Information:

Violation id:	9608011	Orig cd:	S
State:	CA	Viol fy:	2013
Contamcd:	2950		
Contamnm:	TTHM		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	St2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2013
Cmpedt:	03/31/2013		

Violations Information:

Violation id:	9608010	Orig cd:	S
State:	CA	Viol fy:	2013
Contamcd:	2456		
Contamnm:	Total Haloacetic Acids (HAA5)		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	St2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2013
Cmpedt:	03/31/2013		

Violations Information:

Violation id:	9608009	Orig cd:	S
State:	CA	Viol fy:	2012
Contamcd:	2950		
Contamnm:	TTHM		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	St2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	10/01/2012
Cmpedt:	12/31/2012		

Violations Information:

Violation id:	9608008	Orig cd:	S
State:	CA	Viol fy:	2012
Contamcd:	2456		
Contamnm:	Total Haloacetic Acids (HAA5)		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	St2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State mcl:	Not Reported	Cmpbdt:	10/01/2012
Cmpedt:	12/31/2012		
Violations Information:			
Violation id:	9608007	Orig cd:	S
State:	CA	Viol fy:	2012
Contamcd:	2456		
Contamnm:	Total Haloacetic Acids (HAA5)		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	SI2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	07/01/2012
Cmpedt:	09/30/2012		
Violations Information:			
Violation id:	9608006	Orig cd:	S
State:	CA	Viol fy:	2012
Contamcd:	2950		
Contamnm:	TTHM		
Viol code:	30		
Viol name:	Monitoring, Routine (IDSE)		
Rule code:	220		
Rule name:	SI2 DBP		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	07/01/2012
Cmpedt:	09/30/2012		
Violations Information:			
Violation id:	9608004	Orig cd:	S
State:	CA	Viol fy:	2011
Contamcd:	2955		
Contamnm:	Xylenes, Total		
Viol code:	03		
Viol name:	Monitoring, Regular		
Rule code:	310		
Rule name:	VOC		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2011
Cmpedt:	12/31/2011		
Violations Information:			
Violation id:	9608003	Orig cd:	S
State:	CA	Viol fy:	2011
Contamcd:	1040		
Contamnm:	Nitrate		
Viol code:	03		
Viol name:	Monitoring, Regular		
Rule code:	331		
Rule name:	Nitrates		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2011
Cmpedt:	12/31/2011		
PWS ID:	CA3010030		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	CAPISTRANO VALLEY WD		
	SAN JUAN CAPISTRANO, CA 92693		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addressee / Facility: Not Reported

Facility Latitude: 33 30 06

Facility Longitude: 117 39 42

City Served: SAN JUAN CAPIST

Treatment Class: Mixed (treated and untreated)

Population: 29500

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: CAPISTRANO VALLEY WD

Violation Type: MCL, Monthly (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 1995-10-01 - 1995-10-31

Violation ID: 9608002

Enforcement Date: Not Reported

Enf. Action: Not Reported

2

NE

**1/4 - 1/2 Mile
Higher**

CA WELLS

CADW60000031511

Objectid: 31511
Latitude: 33.500643
Longitude: -117.651685
Site code: 335006N1176517W001
State well numbe: 08S07W06P004S
Local well name: 'MW-04'
Well use id: 1
Well use descrip: Observation
County id: 30
County name: Orange
Basin code: '9-1'
Basin desc: San Juan Valley
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000031511

3

North

**1/4 - 1/2 Mile
Higher**

Site ID: 083003225T
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 18 ft
Date: 10/1998

AQUIFLOW

51972

4

WNW

**1/4 - 1/2 Mile
Higher**

CA WELLS

CADW60000005099

Objectid: 5099
Latitude: 33.498362
Longitude: -117.665536
Site code: 334984N1176655W001
State well numbe: 08S08W01Q008S
Local well name: 'MW-07'
Well use id: 1
Well use descrip: Observation
County id: 30
County name: Orange

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '9-1'
Basin desc: San Juan Valley
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000005099

A5
WNW
1/2 - 1 Mile
Lower

CA WELLS 8658

Water System Information:

Prime Station Code:	08S/08W-12L03 S	User ID:	TEE
FRDS Number:	3010030009	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	333000.0 1174000.0	Precision:	Undefined
Source Name:	ZONE 1 - ABANDONED		
System Number:	3010030		
System Name:	CAPISTRANO VALLEY WD		
Organization That Operates System:	P.O. BOX 967		
	SAN JUAN CAPISTR 92693		
Pop Served:	29500	Connections:	9029
Area Served:	SAN JUAN CAPISTRANO		

A6
WNW
1/2 - 1 Mile
Lower

CA WELLS 7923

Water System Information:

Prime Station Code:	07S/08W-25P02 S	User ID:	TEE
FRDS Number:	3010030002	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	333000.0 1174000.0	Precision:	1 Mile (One Minute)
Source Name:	ROSENBAUM		
System Number:	3010030		
System Name:	CAPISTRANO VALLEY WD		
Organization That Operates System:	P.O. BOX 967		
	SAN JUAN CAPISTR 92693		
Pop Served:	29500	Connections:	9029
Area Served:	SAN JUAN CAPISTRANO		
Sample Collected:	21-MAR-11	Findings:	310. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	21-MAR-11	Findings:	380. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	21-MAR-11	Findings:	44. MG/L
Chemical:	CALCIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	21-MAR-11	Findings:	4.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	21-MAR-11	Findings:	2.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	21-MAR-11	Findings:	0.32 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	21-MAR-11	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAR-11	Findings:	1.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	29-AUG-11	Findings:	3.88 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	29-AUG-11	Findings:	2.85 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	29-AUG-11	Findings:	3.12 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	23-NOV-11	Findings:	8.54 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	23-NOV-11	Findings:	3.38 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	23-NOV-11	Findings:	3.12 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	14-JAN-13	Findings:	1400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	14-JAN-13	Findings:	640. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	14-JAN-13	Findings:	190. MG/L
Chemical:	CALCIUM		
Sample Collected:	14-JAN-13	Findings:	41. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	14-JAN-13	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	14-JAN-13	Findings:	950. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	14-JAN-13	Findings:	0.57 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	14-JAN-13	Findings:	8.68 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	14-JAN-13	Findings:	2.73 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	14-JAN-13	Findings:	2.21 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08-APR-13	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-APR-13	Findings:	8.21 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08-APR-13	Findings:	2.44 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08-APR-13	Findings:	1.9 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	27-JUN-13	Findings:	1400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	27-JUN-13	Findings:	560. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	27-JUN-13	Findings:	170. MG/L
Chemical:	CALCIUM		
Sample Collected:	27-JUN-13	Findings:	36. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	27-JUN-13	Findings:	0.25 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	27-JUN-13	Findings:	1000. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	27-JUN-13	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	27-JUN-13	Findings:	1400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	27-JUN-13	Findings:	6.9
Chemical:	PH, LABORATORY		
Sample Collected:	27-JUN-13	Findings:	290. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	27-JUN-13	Findings:	360. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	27-JUN-13	Findings:	550. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	27-JUN-13	Findings:	160. MG/L
Chemical:	CALCIUM		
Sample Collected:	27-JUN-13	Findings:	35. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	27-JUN-13	Findings:	97. MG/L
Chemical:	SODIUM		
Sample Collected:	27-JUN-13	Findings:	2.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	27-JUN-13	Findings:	150. MG/L
Chemical:	CHLORIDE		
Sample Collected:	27-JUN-13	Findings:	260. MG/L
Chemical:	SULFATE		
Sample Collected:	27-JUN-13	Findings:	0.25 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	27-JUN-13	Findings:	4.2 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	27-JUN-13	Findings:	1000. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	27-JUN-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	27-JUN-13	Findings:	1100. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	27-JUN-13	Findings:	13.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	27-JUN-13	Findings:	4.21 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	27-JUN-13	Findings:	0.635 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	27-JUN-13	Findings:	2.82 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	27-JUN-13	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	27-JUN-13	Findings:	0.221 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	27-JUN-13	Findings:	0.462 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	29-AUG-13	Findings:	4.2 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	29-AUG-13	Findings:	1.64 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	29-AUG-13	Findings:	1.93 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	17-SEP-13	Findings:	10. UNITS
Chemical:	COLOR		
Sample Collected:	17-SEP-13	Findings:	1400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	17-SEP-13	Findings:	540. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	17-SEP-13	Findings:	160. MG/L
Chemical:	CALCIUM		
Sample Collected:	17-SEP-13	Findings:	36. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	17-SEP-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	17-SEP-13	Findings:	1000. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	17-SEP-13	Findings:	3.2 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	22-OCT-13	Findings:	3.41 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	22-OCT-13	Findings:	1.45 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	22-OCT-13	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	29-OCT-13	Findings:	10. UNITS
Chemical:	COLOR		
Sample Collected:	29-OCT-13	Findings:	1400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	29-OCT-13	Findings:	550. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	29-OCT-13	Findings:	160. MG/L
Chemical:	CALCIUM		
Sample Collected:	29-OCT-13	Findings:	36. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	29-OCT-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	29-OCT-13	Findings:	930. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	29-OCT-13	Findings:	7.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	19-NOV-13	Findings:	10. UNITS
Chemical:	COLOR		
Sample Collected:	19-NOV-13	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	19-NOV-13	Findings:	790. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	19-NOV-13	Findings:	560. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	19-NOV-13	Findings:	160. MG/L
Chemical:	CALCIUM		
Sample Collected:	19-NOV-13	Findings:	39. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	19-NOV-13	Findings:	0.24 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	19-NOV-13	Findings:	890. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	19-NOV-13	Findings:	5.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	17-DEC-13	Findings:	15. UNITS
Chemical:	COLOR		
Sample Collected:	17-DEC-13	Findings:	1500. US
Chemical:	SPECIFIC CONDUCTANCE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	17-DEC-13	Findings:	580. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	17-DEC-13	Findings:	170. MG/L
Chemical:	CALCIUM		
Sample Collected:	17-DEC-13	Findings:	38. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	17-DEC-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	17-DEC-13	Findings:	960. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	17-DEC-13	Findings:	7.8 NTU
Chemical:	TURBIDITY, LABORATORY		

A7
WNW
1/2 - 1 Mile
Lower

CA WELLS 8655

Water System Information:

Prime Station Code:	08S/08W-01K01 S	User ID:	TEE
FRDS Number:	3010030005	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	333000.0 1174000.0	Precision:	Undefined
Source Name:	WELL 01 - ABANDONED		
System Number:	3010030		
System Name:	CAPISTRANO VALLEY WD		
Organization That Operates System:	P.O. BOX 967		
	SAN JUAN CAPISTR 92693		
Pop Served:	29500	Connections:	9029
Area Served:	SAN JUAN CAPISTRANO		

A8
WNW
1/2 - 1 Mile
Lower

CA WELLS 8656

Water System Information:

Prime Station Code:	08S/08W-01K02 S	User ID:	TEE
FRDS Number:	3010030006	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	333000.0 1174000.0	Precision:	Undefined
Source Name:	WELL 02 - ABANDONED		
System Number:	3010030		
System Name:	CAPISTRANO VALLEY WD		
Organization That Operates System:	P.O. BOX 967		
	SAN JUAN CAPISTR 92693		
Pop Served:	29500	Connections:	9029
Area Served:	SAN JUAN CAPISTRANO		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

9
SW
1/2 - 1 Mile
Lower

CA WELLS CADW60000005098

Objectid: 5098
Latitude: 33.488991
Longitude: -117.666784
Site code: 334890N1176668W001
State well numbe: 08S08W12L001S
Local well name: 'MW-03'
Well use id: 1
Well use descrip: Observation
County id: 30
County name: Orange
Basin code: '9-1'
Basin desc: San Juan Valley
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000005098

10
NW
1/2 - 1 Mile
Higher

CA WELLS 8657

Water System Information:

Prime Station Code:	08S/08W-01K03 S	User ID:	TEE
FRDS Number:	3010030001	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	333014.4 1174000.8	Precision:	1,000 Feet (10 Seconds)
Source Name:	HOLLYWOOD WELL 2A		
System Number:	3010030		
System Name:	CAPISTRANO VALLEY WD		
Organization That Operates System:	P.O. BOX 967		
	SAN JUAN CAPISTR 92693		
Pop Served:	29500	Connections:	9029
Area Served:	SAN JUAN CAPISTRANO		

11
NE
1/2 - 1 Mile
Higher

CA WELLS CADW600000035244

Objectid: 35244
Latitude: 33.504527
Longitude: -117.646643
Site code: 335045N1176466W001
State well numbe: 08S07W06J004S
Local well name: 'MW-05'
Well use id: 1
Well use descrip: Observation
County id: 30
County name: Orange

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code:	'9-1'
Basin desc:	San Juan Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000035244

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92675	41	4

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92675

Number of sites tested: 1

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^R 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 IRRA 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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**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Appendix E – Historical Records

Appendix E HISTORICAL RECORDS

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

Inquiry Number: 4922940.9

May 02, 2017

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.ednet.com

EDR Aerial Photo Decade Package

05/02/17

Site Name:

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 9267
EDR Inquiry # 4922940.9

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Dion Monge



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:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1988	1"=500'	Flight Date: September 13, 1988	USDA
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1967	1"=500'	Flight Date: May 07, 1967	USGS
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: December 12, 1952	USDA
1949	1"=500'	Flight Date: May 05, 1949	USDA
1946	1"=500'	Flight Date: December 29, 1946	USGS
1938	1"=500'	Flight Date: June 21, 1938	USDA

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INQUIRY #: 4922940.9

YEAR: 2012

— = 500'





INQUIRY #: 4922940.9

YEAR: 2010

— = 500'





INQUIRY #: 4922940.9

YEAR: 2009

— = 500'





INQUIRY #: 4922940.9

YEAR: 2005

— = 500'





INQUIRY #: 4922940.9

YEAR: 1994

 = 500'





INQUIRY #: 4922940.9

YEAR: 1990

— = 500'





INQUIRY #: 4922940.9

YEAR: 1988

— = 500'



M-77

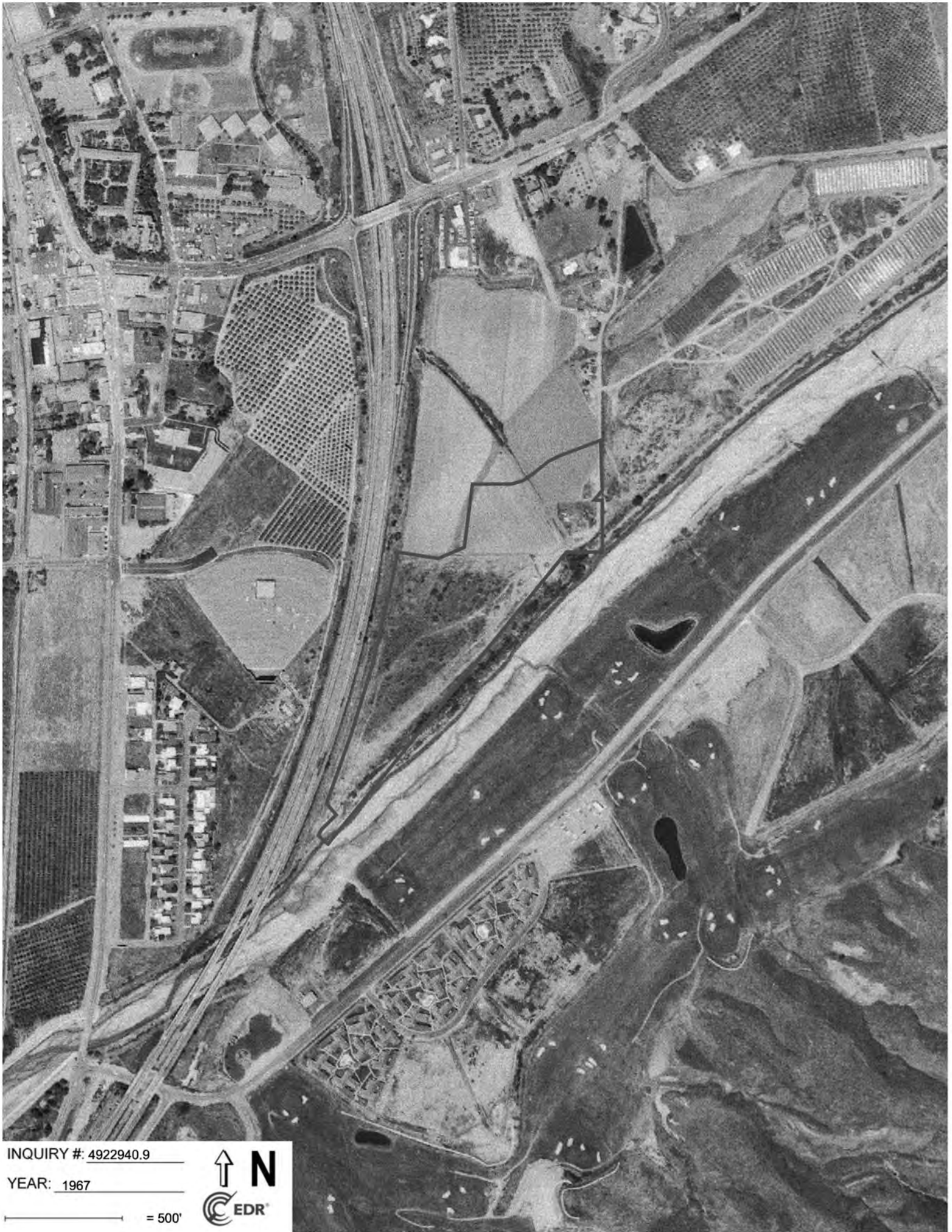


INQUIRY #: 4922940.9

YEAR: 1977

— = 500'





INQUIRY #: 4922940.9

YEAR: 1967

— = 500'





INQUIRY #: 4922940.9

YEAR: 1963

— = 500'





INQUIRY #: 4922940.9

YEAR: 1952

— = 500'





INQUIRY #: 4922940.9

YEAR: 1949

— = 500'





INQUIRY #: 4922940.9

YEAR: 1946

— = 500'





INQUIRY #: 4922940.9

YEAR: 1938

500'



Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

Inquiry Number: 4922940.4

May 01, 2017

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/01/17

Site Name:

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 9267
EDR Inquiry # 4922940.4

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Dion Monge



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec 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:**

P.O.#	NA	Latitude:	33.496732 33° 29' 48" North
Project:	Watt - San Juan Capistrano	Longitude:	-117.65777 -117° 39' 28" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	438899.96
		UTM Y Meters:	3706550.47
		Elevation:	82.00' above sea level

Maps Provided:

2012	1902
1981	
1975	
1968	
1949	
1948	
1942, 1947	
1906	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Dana Point
2012
7.5-minute, 24000



San Juan Capistrano
2012
7.5-minute, 24000

1981 Source Sheets



San Juan Capistrano
1981
7.5-minute, 24000
Aerial Photo Revised 1977

1975 Source Sheets



Dana Point
1975
7.5-minute, 24000
Aerial Photo Revised 1967

1968 Source Sheets



San Juan Capistrano
1968
7.5-minute, 24000
Aerial Photo Revised 1967



Dana Point
1968
7.5-minute, 24000
Aerial Photo Revised 1967

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949 Source Sheets



Dana Point
1949
7.5-minute, 24000
Aerial Photo Revised 1946



San Juan Capistrano
1949
7.5-minute, 24000
Aerial Photo Revised 1946

1948 Source Sheets



San Juan Capistrano
1948
7.5-minute, 24000
Aerial Photo Revised 1946



Dana Point
1948
7.5-minute, 24000
Aerial Photo Revised 1946

1942, 1947 Source Sheets



SANTIAGO PEAK
1942
15-minute, 50000



SAN JUAN CAPISTRANO
1947
15-minute, 50000

1906 Source Sheets



Capistrano
1906
30-minute, 125000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

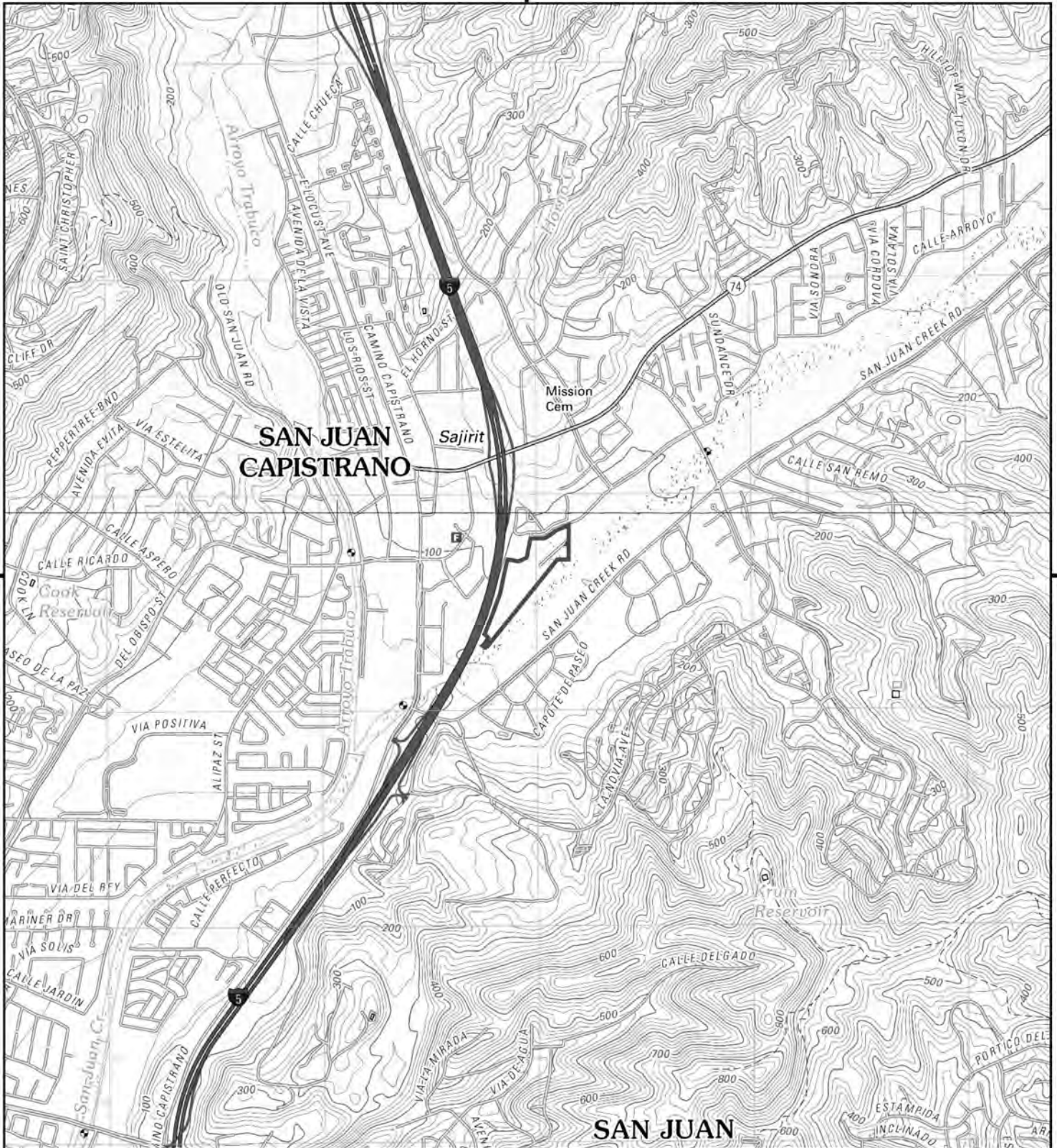
1902 Source Sheets



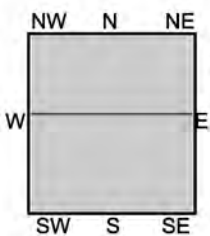
Corona
1902
30-minute, 125000



Capistrano
1902
30-minute, 125000



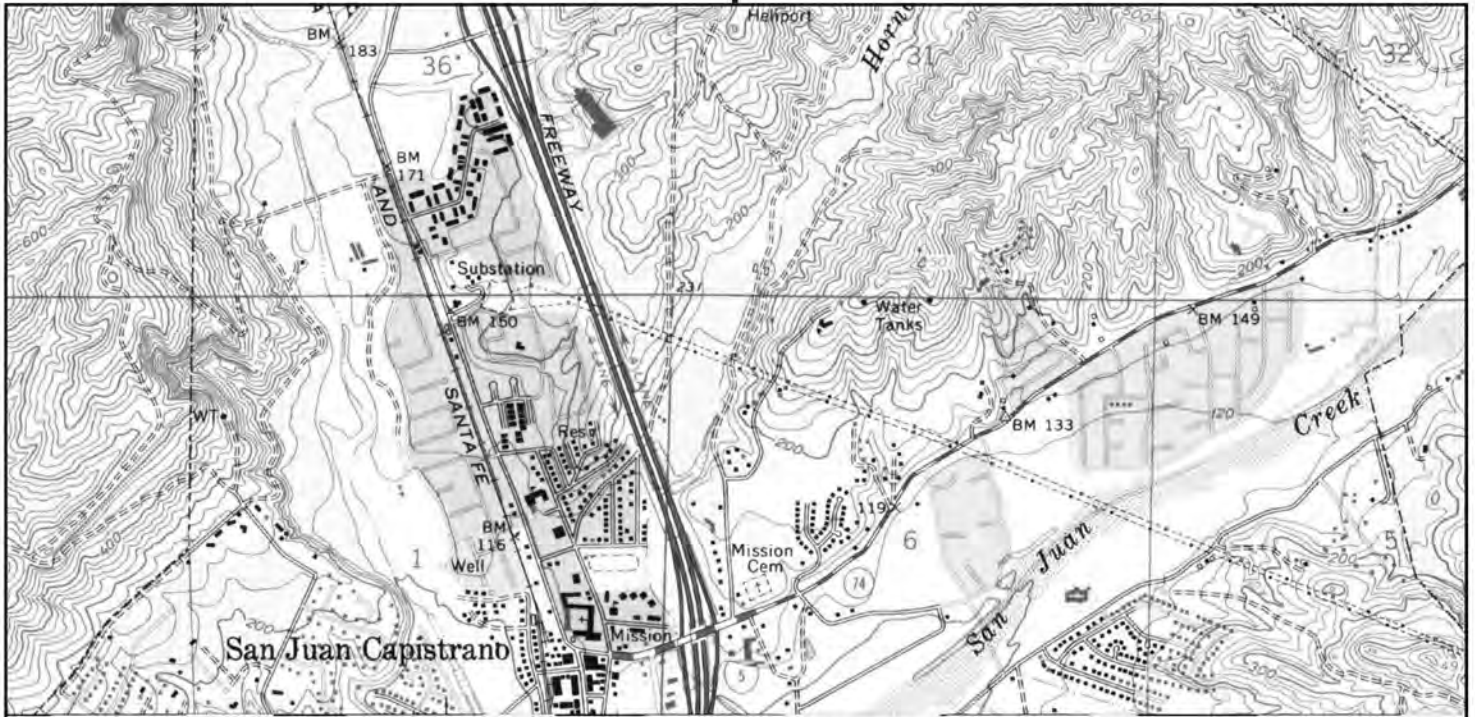
This report includes information from the following map sheet(s).



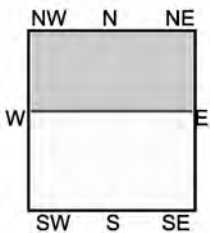
TP, Dana Point, 2012, 7.5-minute
N, San Juan Capistrano, 2012, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





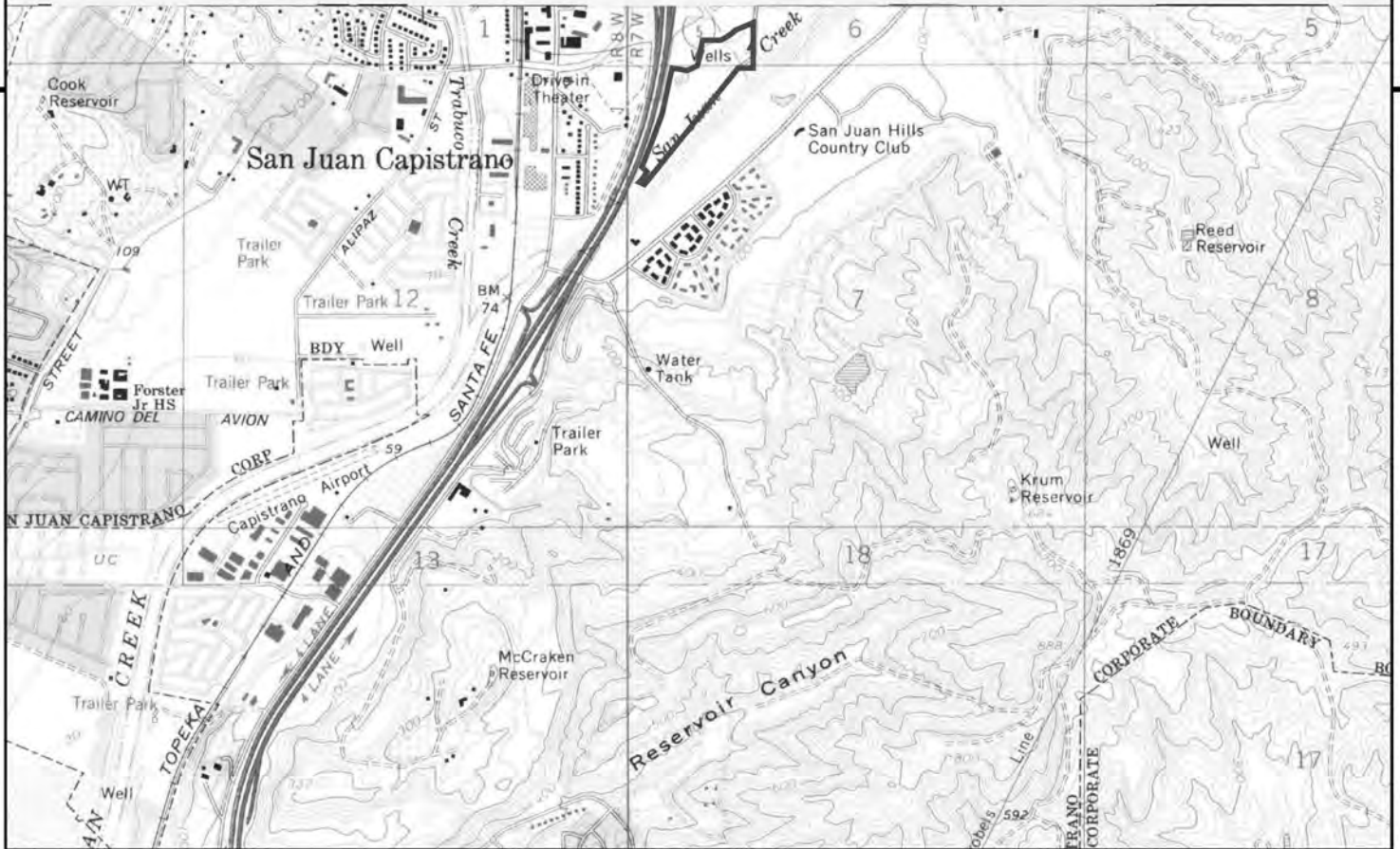
This report includes information from the following map sheet(s).



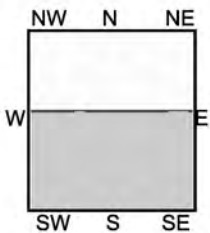
N, San Juan Capistrano, 1981, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
 ADDRESS: Calle Arroyo & Paseo Tirador
 San Juan Capistrano, CA 92675
 CLIENT: Stantec





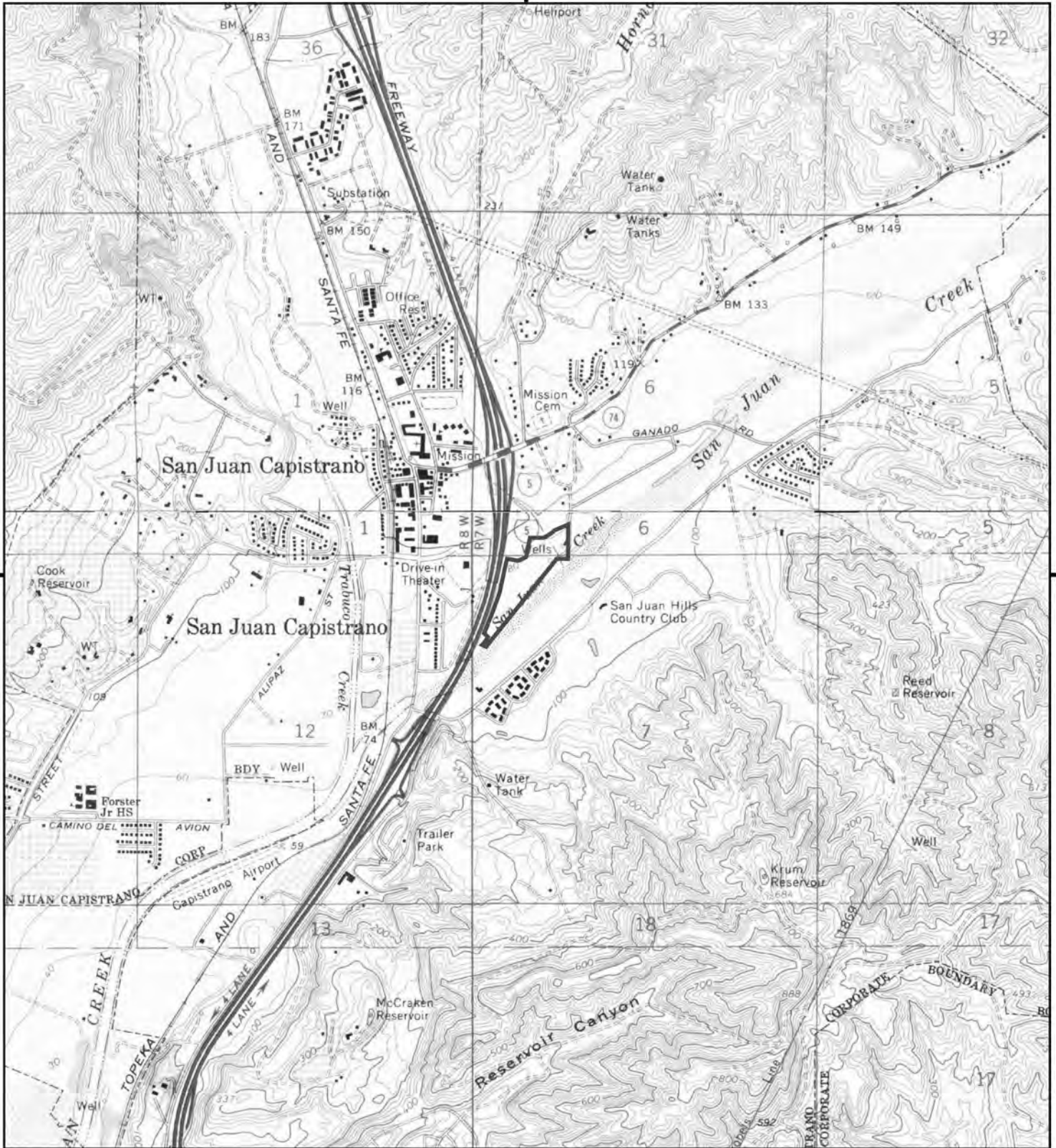
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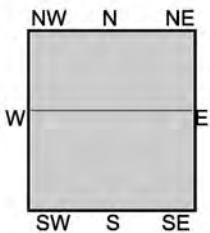
TP, Dana Point, 1975, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





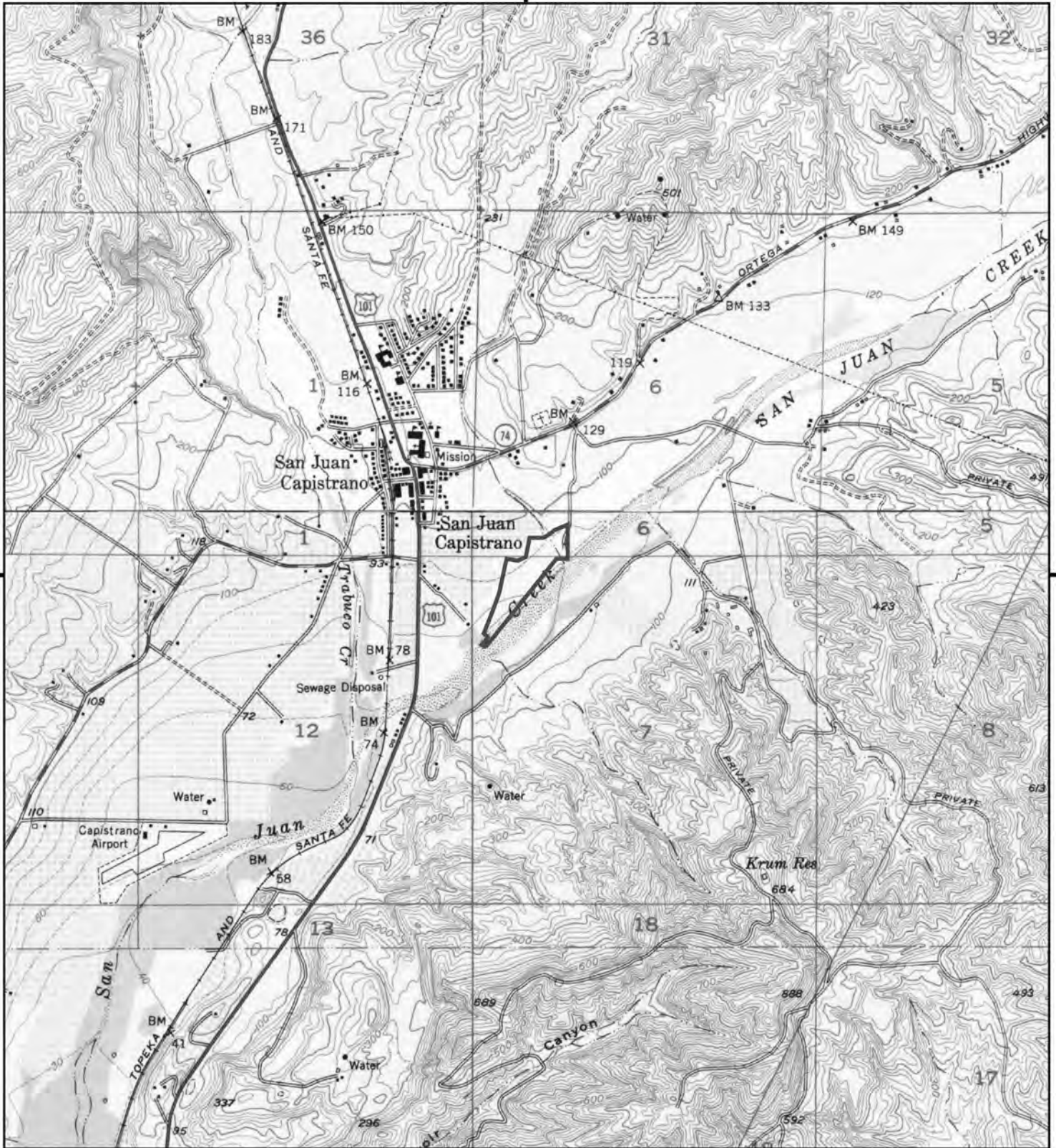
This report includes information from the following map sheet(s).



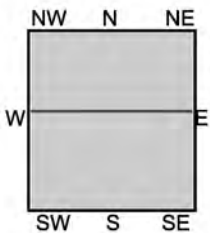
TP, Dana Point, 1968, 7.5-minute
N, San Juan Capistrano, 1968, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





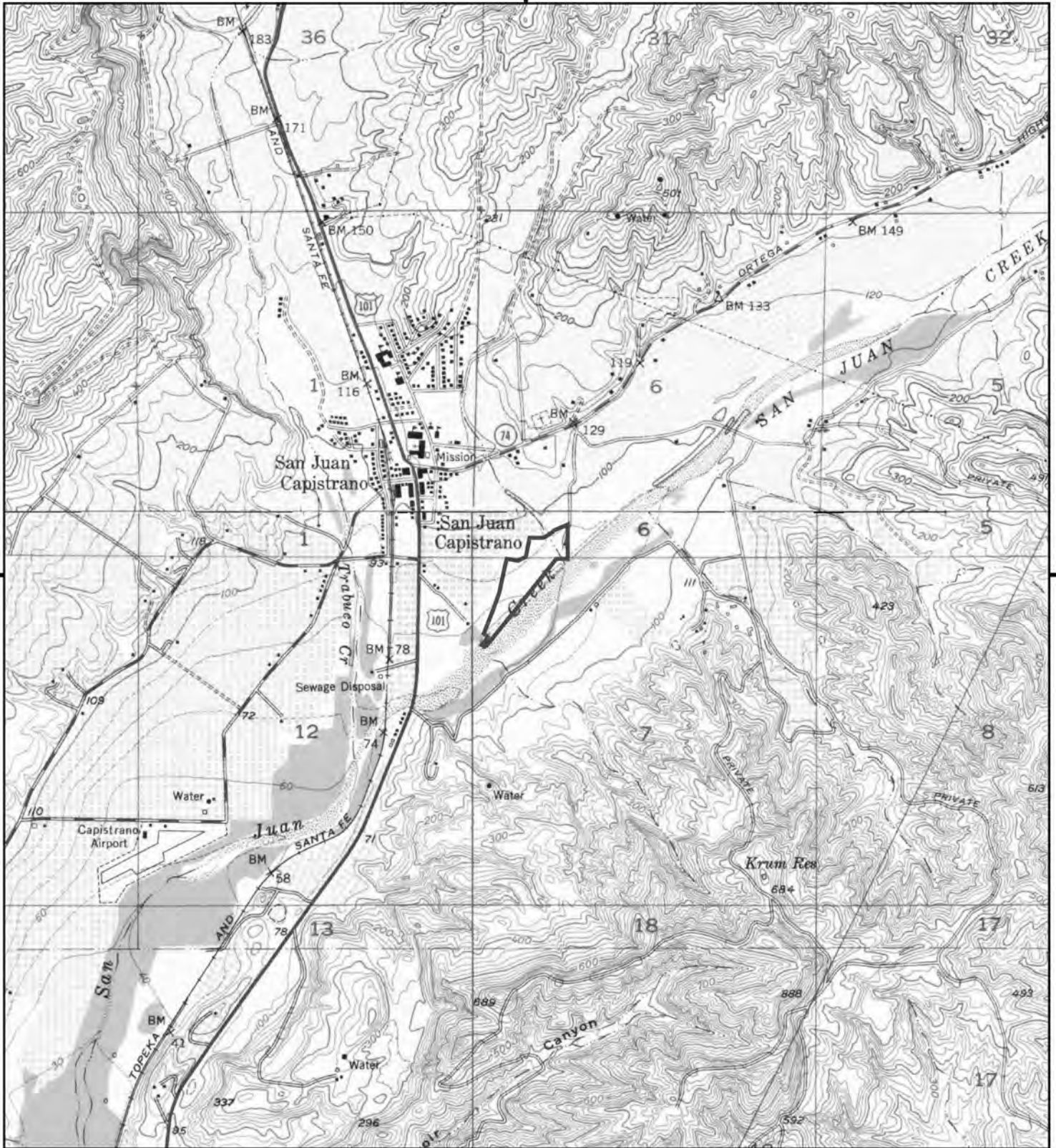
This report includes information from the following map sheet(s).



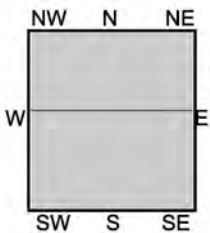
TP, Dana Point, 1949, 7.5-minute
N, San Juan Capistrano, 1949, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





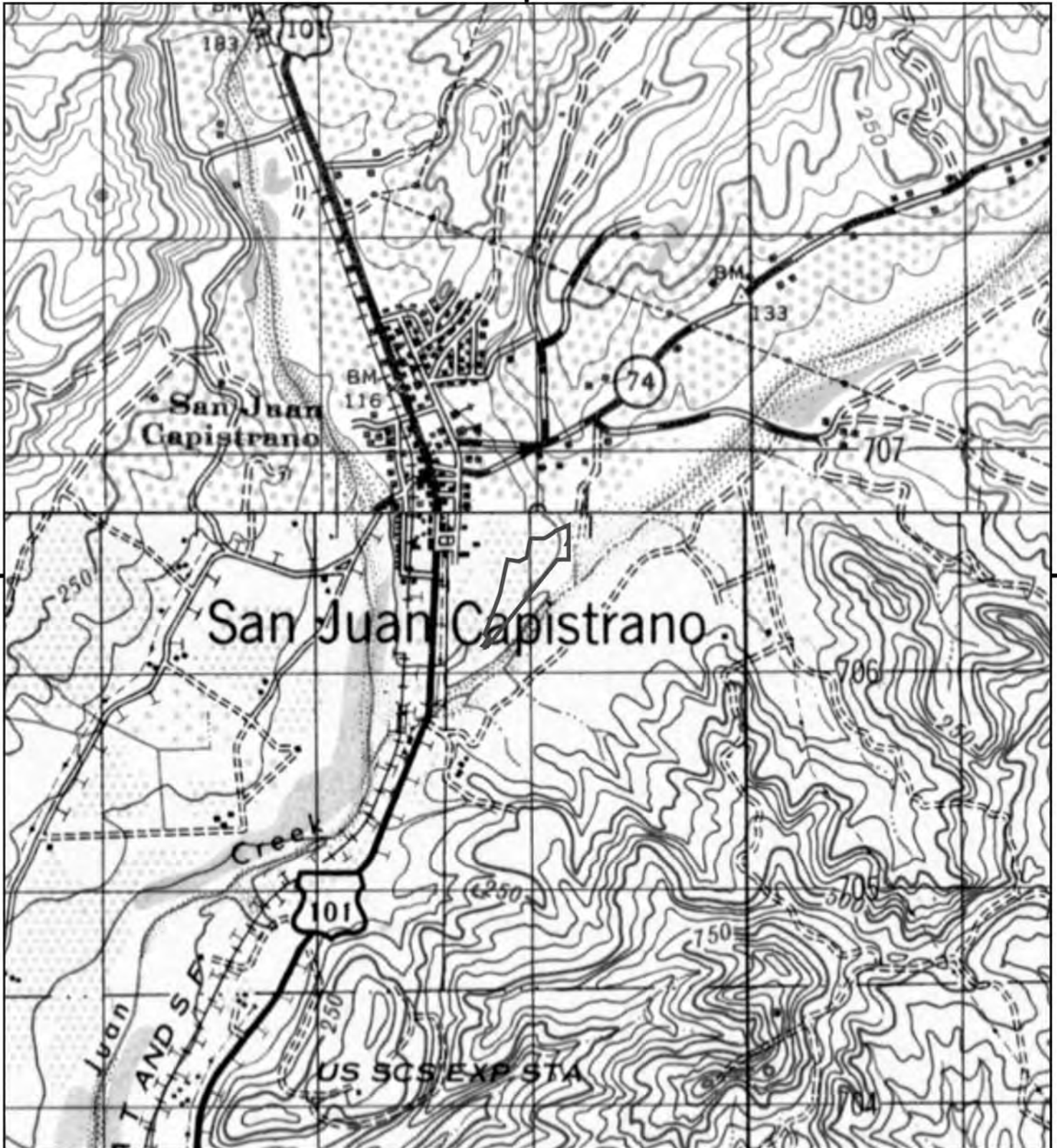
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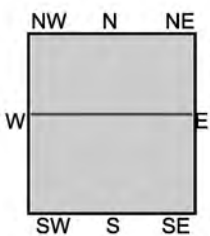
TP, Dana Point, 1948, 7.5-minute
N, San Juan Capistrano, 1948, 7.5-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





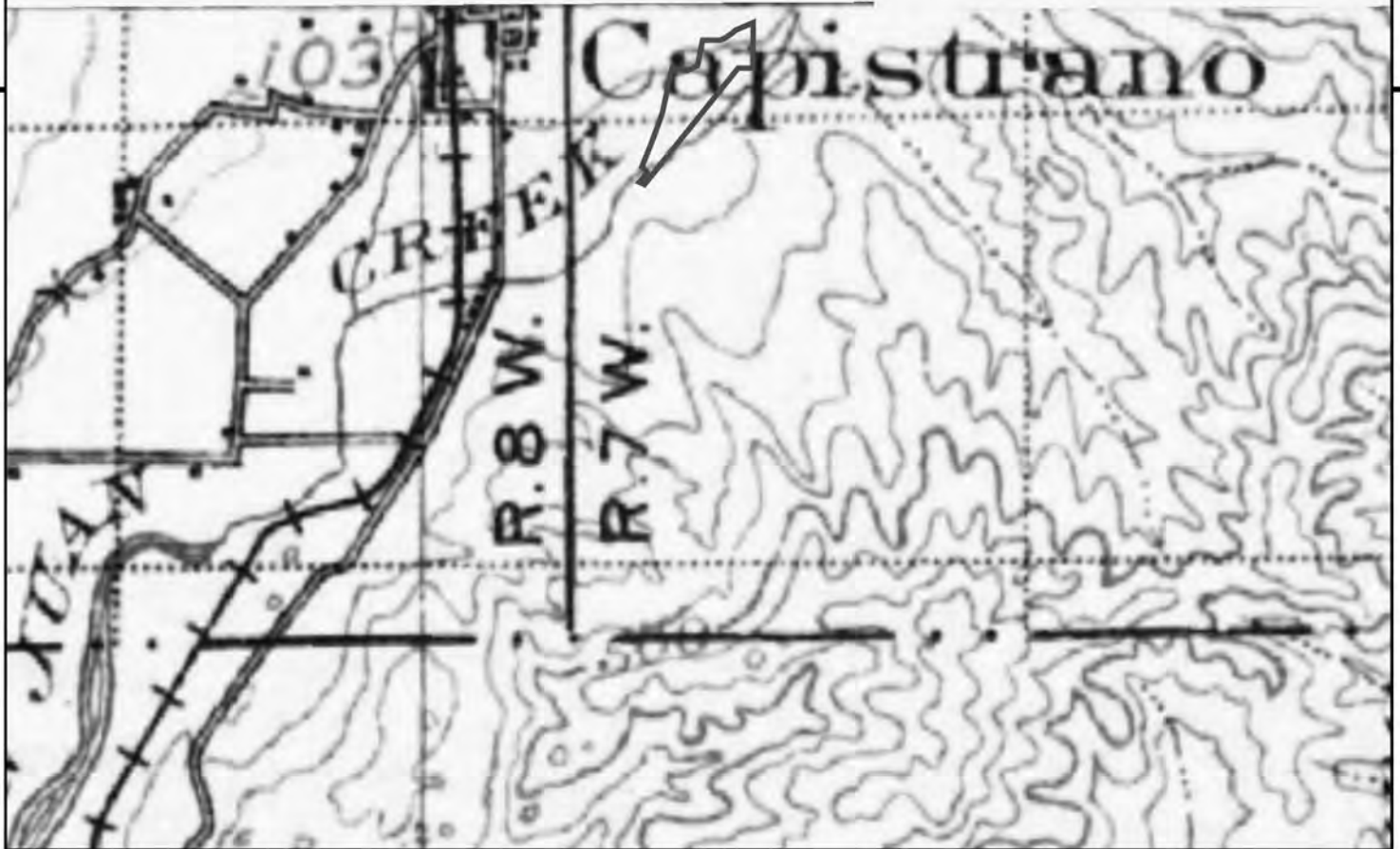
This report includes information from the following map sheet(s).



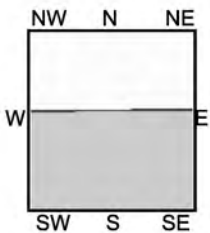
TP, SAN JUAN CAPISTRANO, 1947, 15-minute
N, SANTIAGO PEAK, 1942, 15-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





This report includes information from the following map sheet(s).



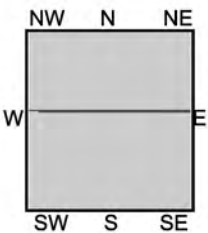
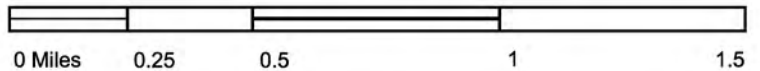
TP, Capistrano, 1906, 30-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec





This report includes information from the following map sheet(s).



TP, Capistrano, 1902, 30-minute
N, Corona, 1902, 30-minute

SITE NAME: Watt - San Juan Capistrano
ADDRESS: Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675
CLIENT: Stantec



Watt - San Juan Capistrano

Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

Inquiry Number: 4922940.5
May 02, 2017

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

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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.

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>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1985	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1972	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

CALLE ARROYO

2013	pg A2	Cole Information Services	
2008	pg A4	Cole Information Services	
2003	pg A6	Cole Information Services	
1999	pg A9	Cole Information Services	
1995	pg A12	Cole Information Services	
1992	pg A14	Cole Information Services	
1985	pg A16	Haines Criss-Cross Directory	
1980	pg A17	Haines Criss-Cross Directory	
1975	pg A18	Haines Criss-Cross Directory	
1972	-	Haines Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

PASEO TIRADOR

2013	-	Cole Information Services	Street not listed in Source
2008	-	Cole Information Services	Street not listed in Source
2003	-	Cole Information Services	Street not listed in Source
1999	-	Cole Information Services	Street not listed in Source
1995	-	Cole Information Services	Street not listed in Source
1992	-	Cole Information Services	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
1972	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

CALLE ARROYO 2013

27121 SILVERADO SENIOR SERVICES
 27123 CAYMUS MEDICAL
 27125 JOE VERDE SALES & MARKETING
 27127 CENTER FOR AUTISM & RELATED DISORD
 CHARLES HARTMAN & ASSOCIATES
 DEVELOPMENT PLANNING & FINANCIAL G
 EQUIPMENT CAPITAL CONSULTING
 GLOBAL AIRPARTS DIRECT IN
 MEDUSIND SOLUTIONS INC
 MORAN UTILITY SERVICE
 PRENDIVILLE INSURANCE AGENCY
 RICHARD PRICE & ASSOCIATES
 SILVERADO HOSPICE
 SIZE KARIN INSURANCE AGENCY
 TLG GROUP
 WINE DOGGY BAG
 27129 AXSYS GROUP
 COAST TO COAST LENDING
 GATEWAY COMMUNITY NAZARENE
 GIFFORD PATRICIA J MD
 TSG INDEPENDENT PROPERTY MGMT INC
 27131 24 HOUR FITNESS
 DANIEL FRY
 FOX HOWARD B CHIROPRACTIC INC
 FRY DANIEL DC
 PAMS AEROBIC & CASUAL WEAR
 ROSENBAUM CAROL MASSAGE THERAPY
 27231 CASA DE AMMA
 27252 ORTEGA EQUESTRIAN CENTER
 27282 LARK ENGINEERING CO
 27292 PACIFIC SOUTHWEST GROUP INC
 WEST COAST METALS
 27302 ENDERLE TERRI J CPA
 KANOY CHARLES A CLU
 WENGER & BAUER CPAS INC
 WENGER & KANOY
 27312 COASTAL RESOURCE MANAGEMENT
 RESORTS MARKETING INC
 27322 ARTHUR STOCKTON
 CAPISTRANO VALLEY COUNSELING CENTER
 COMMUNITY COUNSELING CENTER
 DAN H SNAVELY DC
 NELSON MICHAEL KEITH DC
 UNLOCK YOURSELF
 27352 NEUROWAVES
 27372 RIMROCK CAPITAL
 27382 HOPE BY THE SEA
 27392 WILSON CHARLES DDS
 27412 CHEC FAMILY RESOURCE CENTER
 27422 CARLOSNEGRETELAWOFFICE

CALLE ARROYO 2013 (Cont'd)

27432	HOPE BY THE SEA
27442	PACIFIC HILLS TREATMENT CENTER
27452	KELLY MCKINNON & ASSOCIATES
	LAUNCH PAD THE
27462	ODELL JAN DDS INC
27512	BRIGHTSTAR CARE SAN JUAN CAPISTRANO
	NAFICY MITCHEL K MD INC
27601	DELORIS DAVIS
27603	BRUCE REMSBERG
27605	MATTHEW MUSSELMAN
27607	CHARLES YOUNG
27611	VALERIE SOURBEER
27901	ROBERT MASON
27911	BRUCE LISTER
27921	RICHARD YEOMANS
27931	JOSEPH DUARTE
27941	BRIAN LEAHY
28432	MISSION TRAILS STABLES
31551	JENNIFER SECOFISKY
31555	WILLIAM KENNEDY
31561	JAZZMIN JOHNSON-TAYLOR
31565	STEVE HOPKINS

CALLE ARROYO 2008

27121 CENTER FOR UNIVERSAL TRUTH
 GOLDEN YEARS RETIREMENT SERVICE
 SHOOK CHRISTINE PHD MFT
 SILVERADO HOSPICE
 SILVERADO SENIOR LIVING
 27123 HEADRICK CHASE & ASSOCIATES INC
 ORMONDE PRESENTATIONS INC
 27125 JOE VERDE GROUP
 27127 BRIAN FAULKNER LAW FIRM
 BROADMOOR CO
 CHARLES HARTMAN & ASSOCIATES
 DEVELOPMENT PANNING & FINANCING GR
 FARMERS & KARIN SIZE
 MCQUISTON DRAFTING SERVICE
 OPUS MEDICAL
 PACIFIC HILLS TREATMENT CENTER
 PATRICK GARRETT PRENDIVILLE
 PRENDIVILLE INSURANCE AGENCY
 REY INSURANCE AGENCY
 RICHARD PRICE & ASSOCIATES INC
 SILVERADO HOSPICE
 SIZE INSURANCE SERVICES INC
 SWELL PROCESSING
 TLG GROUP
 27129 AMERICAN HERTITAGE APPAREL LLC
 BHPC MARKETING INC
 GATEWAY COMMUNITY NAZARENE CHURCH
 LEADINGMD COM INC
 SAN REMO RECREATION CENTER HOA
 TSG INDEPENDENT INC
 27131 FOX CHIROPRACTIC SPORTS REHAB CENTER
 FOX HOWARD B CHIROPRACTIC INC
 KAREN KATZMARK
 KATZMARK KAREN LYNN
 SYNERGY CAPITAL MORTGAGE CORP
 TWENTY FOUR HOUR FITNESS CENTER CORP
 WESTERN INTERNATIONAL
 27231 CASA DE AMMA
 27252 1144 BT
 KATHY HOLMAN
 ORTEGA RANGERS 4H HORSE PROJECT
 OTRA INC
 27282 BAIER & BAIER INC
 LARK ENGINEERING CO
 27292 PACIFIC SOUTHWEST GROUP INC
 27302 CHARLES A KANOY
 ENDERLE TERRI J CPA
 WALNUT STREET SECURITIES
 WENGER & BAUER CPAS INC
 WENGER & KANOY

CALLE ARROYO 2008 (Cont'd)

27312 PHILIP VANDERMOST & ASSOCIATES
VANDERMOST CONSULTING SERVICES

27322 BLAINE WITTE MA MFT
CULLINANE ANNE MFCC
KORBY CONSTRUCTION
MICHAEL K NELSON DC
NOVASTAR HOME MORTGAGE INC
SLEEPY HOLLOW PRODUCTION
STARRC MARKETING & INVESTMENTS

27352 T G INTERNATIONAL INSURANCE BROKERAG
TRAVEL GUARD INC

27372 RIMROCK CAPITAL MANAGEMENT LLC
RIMROCK LOW VILATILITY FUND LP

27392 FREEDLANDER CO
SUN AMERICA INVESTMENT GROUP INC
WILSON CHARLES DDS

27412 HOPE BY THE SEA
JAPAN PRINTING PRODUCTS USA INC

27422 LAW OFFICES OF CARLOS F NEGRETE A PR
QUIXOTE SOFTWARE NET INC

27432 B T DENOVO CORP
JAMES GOODE ESQ
PICERNE ASSOCIATES INC

27442 DADERIAN CONSULTING INC
MSC A PACIFIC MEDCON CO INC
PAUL V KUSHNER
STEGO INDUSTRIES LLC

27452 KELLY MCKINNON & ASSOCIATES
LAUNCHPAD THERAPY FOR KIDS

27461 AT & T CAPITOL CORP

27462 AIRLINE ADVERTISING BUREAU INC
JAN M O DELL DDS

27514 PAMPERED PORCUPINE
PHYLLIS CROW MFCC

27601 DELORIS DAVIS

27603 BRUCE REMSBERG

27605 JESUS MORENO

27607 OCCUPANT UNKNOWN

27609 PETRA PINEDA

27611 MIXED GREENS
OCCUPANT UNKNOWN

27901 ROBERT MASON

27911 BRUCE LISTER

27921 RICHARD YEOMANS

27931 WALTER PRADO

27941 BRIAN LEAHY

31555 WILLIAM KENNEDY

31561 OCCUPANT UNKNOWN

31565 ALBERTO FERNANDEZ

CALLE ARROYO 2003

27121 CTR FOR UNIVERSAL TRUTH
LOREN SHOOK

27123 HEADRICK CHASE & ASSOCS
KEITH MORRISON

27125 JOANNE VERDE

27127 BALANCE PERFECT
BASSI TRADING INC
BROADMOOR CO
BROWN RICE FINANCIAL SERVICES
DEVELOPMENT PLA PLNG & FNNCNG
EDUCATION FUNDING SERVICE CORP
EQUIPMENT CAPITAL CONSULTING
HARTMAN CHARLES & ASSOCS
HOUSEWORKS
MCQUISTON DRAFTING SERVICE
MEN & ASSOCS INC
OPUS MEDICAL INC
REICHARDT LAND SERVICES
TERRY GARDNER
TLG GROUP

27129 BHPC
BHPC GLOBAL LICENSING
BHPC MARKETING INC
INNOVATE TECHNOLOGY INC
MEDICA
MEDICAL BILLING SERVICE
ORTHO SUPPLY INC

27131 CONNIE FORSEY MASSAGE THERAPY
CSB PARTNERSHIP
FINNIE BRYAN DC
FOX CHIROPRACTIC
GOLDEN YEARS RETIREMENT SRVC
PEGGY NOWELL
ROSENBAUM CAROL MASSAGE THRPY
WESTERN INTERNATIONAL

27252 BERG TERI HORSE TRAINING & LSN
JOHN HOLMAN
KATHY HOLMAN
MITCHELL LESLEY PRFRMNC HRS
ORTEGA EQUESTRIAN CTR
RIO VISTA VERDE RIDING SCHOOL

27282 BAIER & BAIER INC
LARK ENGINEERING

27292 ARGUS REALTY INVESTORS LP
FRYER FINANCIAL SERVICES INC

27302 CHARLES KANOY
KANOY CHARLES A CLU
OCCUPANT UNKNOWN
SARA E MILBURN
WENGER & KANOY

CALLE ARROYO 2003 (Cont'd)

27312 OCCUPANT UNKNOWN
27322 ANNE CULLINANE
ANNE CULLINANE
BROWN LOLA PHD NCC
JOANNA FUTERMAN INC
LINDA HENDRICKSON
MICHAEL K NELSON DC
MICHAEL NELSON
NELSON MICHAEL KEITH DC
ORTEGA CHIROPRACTIC
27352 OCCUPANT UNKNOWN
TG INTERNATIONAL INSRNC BRKRG
27362 BAXTER BARBARA INS SERVICES
ROBCO INSURANCE SERVICES INC
27372 INCENDIA DIGITAL
27382 OCCUPANT UNKNOWN
27392 APEC/RETAIL
ELECTRICAL & COMM SYSTEMS INC
MARCIA CALDWELL
SHA
27412 ART BOX ENTERTAINMENT
OCCUPANT UNKNOWN
RIDGE LANDSCAPE ARCHITECTS
27422 A HMO CONSUMER LAW CTR
AA CAPISTRANO VALLEY LAW CTR
AA STATEWIDE EVICTION SERVICE
AAA SOUTH ORANGE COUNTY EVCTN
CARLOS NEGRETE
NEGRETE CARLOS F LAW OFC
27432 KELLY MIYASHITA
PICERNE ASSOCS INC
27442 STEPHEN SAMUELIAN
27452 NEOMEDIX CORP
OCCUPANT UNKNOWN
27462 AIRLINE ADVERTISING BUREAU INC
DR JAN ODELL
ODELL JAN DDS
27514 COMMUNITY COUNSELING CTR
REBECCA HOLLIS
27601 JUAN SANCHEZ
27605 MICHELLE VUKELICH
27607 TREVOR RATHFON
27609 OCCUPANT UNKNOWN
27611 MIXED GREENS
27901 JOHN MASON
27911 BRUCE LISTER
27921 RICHARD YEOMANS
27931 FRANK PRADO
27941 BRIAN LEAHY
31551 PAUL ROBISON

CALLE ARROYO 2003 (Cont'd)

31555 WILLIAM KENNEDY
31561 DOROTHY HUFF
31565 FRED KNEE

CALLE ARROYO 1999

27121 AUTOMATIC ANSWER THE
 PROTECTIVE SECURITY
 27123 AMIABLE TECHNOLOGIES INCORPORATED
 27125 TELASSIST INCORPORATED
 US BASEBALL CARDS INCORPORATED
 VERDE JOE SALES TRAINING
 27127 BASSI TRADING INCORPORATED
 CHARCHOL HARTMAN & ASSOCIATES
 EDUCATIONAL FUNDING SERVICES INCORPORATED
 HARTMAN CHARLES & ASSOCIATES
 INSURANCE DATA SERVICES
 MARINE MIDLAND BANKS EDUCATIONAL FUNDING SERVICES
 MCQUISTON DRAFTING SERVICE
 PRICE RICHARD & ASSOCIATES INCORPORATED
 REICHARDT LAND SERVICES
 RICE BROWN FINANCIAL
 SHORECLIFF COMMUNICATIONS
 SOUTH CAPISTRANO ENTERPRISES
 TEL STAR MORTGAGE
 VERDE JOE SALES TRAINING
 27129 BUEN DISTRIBUTION
 LIFE CHURCH OF SOUTH ORANGE COUNTY
 27131 24 HOUR FITNESS SAN JUAN CAP
 AMORE BRIDAL
 DANIEL FRY
 FAMILY FITNESS CENTERS
 GLOBAL PACIFIC INFORMATION SERVICES INCORPORATED
 KAREN KATZMARK
 PAMS & CINDYS PLACE
 QUALITY PHYSICIAN BILLING
 RICCHIO CHIROPRACTIC FITNESS
 SURF CITY SQUEEZE
 27252 BERG TERI HORSE TRAINING & LESSONS
 HOLMAN KATHY
 MITCHELL LESLEY PERFORMANCE HORSES
 ORTEGA EQUESTRIAN CENTER
 RIO VISTA VERDE RIDING SCHOOL
 27292 ARROYO TELECOM
 MARBELLA COMPANY INCORPORATED
 27302 CENTER FOR STUDENT MISSIONS THE
 KANOY CHARLES A CLU
 MILBURN SARA ELIZABETH ATTORNEY
 WALNUT STREET SECURITIES
 WENGER & BAUER CPAS INCORPORATED
 WENGER & KANOY
 27312 CONCEPT DEVELOPMENT INCORPORATED
 27322 A COPE CENTER
 COLLINS JOHN C & ASSOCIATES
 CONCEPT BUILDING MAINTENANCE INCORPORATED
 CULLINANE ANNE MFCC

CALLE ARROYO 1999 (Cont'd)

27322 DIXSON HENDRICKSON LINDA MFCC
 GRIEFCARE
 MARICH ACCEPTANCE SOUTH COAST
 NELSON MICHAEL KEITH DC
 ORTEGA CHIROPRACTIC
 SMITH & ASSOCIATES INCORPORATED
 27352 GRAPHCOM
 T G INTERNATIONAL INSURANCE BROKERAGE INCORPORATED
 TRAVEL GUARD INCORPORATED
 27362 BAXTER BARBARA INS SERVICES
 PETERSEN BARBARA INS SERVICES
 ROBCO INSURANCE SERVICES INCORPORATED
 27372 CAPISTRANO SWEEPER SERVICE
 ORANGE SWEEPING SERVICE
 SOLAG DISPOSAL COMPANY
 27382 FULTON ROBERT E COMPANY
 27392 ECSI
 FIRST ONE LENDING CORPORATION
 ROONEY ENGINEERING
 SOCOPAC COMPANY
 SUMMIT LENDING
 27412 ADVANTAGE PLUS
 UNIVERSAL AMERICAN MORTGAGE
 27422 AA CAPISTRANO VALLEY LAW CENTER
 AA STATEWIDE EVICTION SERVICE
 AAA SOUTH ORANGE COUNTY EVICTION SERVICE
 CAPISTRANO VALLEY LAW CENTER
 NEGRETE CARLOS F LAW OFFICES OF
 27432 APPLIED ENVIRONMENTAL SERVICE
 BRAMALEA CALIFORNIA INCORPORATED
 INDIA DIGITAL SATELLITE SYSTEMS INCORPORATED
 LENNAR HOMES
 27442 BALBOA EQUITY FUND
 NORWEST MORTGAGE
 PACIFIC MEDCON INCORPORATED
 SACON CONSTRUCTION
 TOWERCO INVESTMENT GROUP
 TRANS PACIFIC HOLDING GROUP
 27461 BROWNING COHEN INCORPORATED
 EICHLER S GLENN INCORPORATED
 HILL ROM
 INSURANCE DATA
 LLOYD ENTERPRISES
 MARICH ACCEPTANCE CORPORATION
 NEW ENGLAND THE
 PEKAREK-CRANDELL INCORPORATED
 SAN JUAN
 27462 AIRLINE ADVERTISING BUREAU INCORPORATED
 AVCO FINANCIAL SERVICES
 FRANCE TELECOM INCORPORATED

CALLE ARROYO 1999 (Cont'd)

27462 ODELL JAN DDS
USA TODAY SKY RADIO SALES
27512 ORANGE COUNTY OF HEALTH CARE AGENCY
ORANGE COUNTY OF HUMAN RESOURCES
ORNG CNTY OF CONTD HEALTH CARE AGENCY CONTD
ORNG CNTY OF HEALTH CARE AGENCY
ORNG CNTY OF INTGRD WST MANAGEMENT
27514 COMMUNITY COUNSELING CENTER
SAN JUAN COMMUNITY TASK FORCE
27601 DELORIS DAVIS
27603 BRUCE REMSBERG
27607 WILLIAM CASEY
27609 DENNIS PARKER
27901 OCCUPANT UNKNOWN
27911 BRUCE LISTER
27921 RICHARD YEOMANS
27931 WALTER PRADO
27941 BRIAN LEAHY
31555 WILLIAM KENNEDY
31565 ALBERTO FERNANDEZ

CALLE ARROYO 1995

27123 QUIXOTE SPORTS INC
 ROBERTS INSURANCE SVC
 27125 OXFORD FINANCIAL GROUP
 POLARIS EQUITIES INC
 U S BASEBALL CARDS INC
 27127 BASSI TRADING INC
 CALCON ELECTRIC SUPPLY INC
 CHARCHOL HARTMAN & ASSOC
 EDUCATIONAL FUNDING SVC
 JOE VERDE SALES TRAINING
 MC QUISTON DRAFTING SVC
 TEL STAR MORTGAGE INC
 ZERBONI LAW OFFICES
 27129 BUENO DISTRIBUTION
 LIFE CHURCH SADDLEBACK VALLEY
 27131 BURKE MECHANICAL ENGINEERING
 FAMILY FITNESS CTR
 KEKOAS TROPICAL JUICE BAR
 PERFORMANCE HEALTH CARE
 27252 KATHY HOLMAN
 ORTEGA EQUESTRIAN CTR
 TERI BERG HORSE TRAINING
 27282 APPLIED ENVIRONMENTAL SVC
 27292 INAMERICA FINANCIAL SVC
 ROBERT L THATCHER
 UNIVERSAL HEALTH SVC
 27302 CHARLES A KANOY
 DFS
 SARA E MILBURN
 WENGER & BAUER INC
 WENGER & KANOY
 27322 CAPISTRANO VALLEY CHIRO OFCS
 JOHN C COLLINS & ASSOC
 KORBY CONSTRUCTION CO
 27332 ORTEGA CHIROPRACTIC
 27352 ADVANCED TRAFFIC SVC INC
 T G INTL INSURANCE
 TRAVEL GUARD INC
 27372 SAN CLEMENTE COMMERCIAL INC
 SOLAG DISPOSAL CO
 27382 ROBERT E FULTON CO
 27392 AIRMARK
 SOCOPAC CO
 27422 CARLOS F NEGRETE LAW OFFICES
 FRANK C NUNES
 27432 LUPO & ASSOC INC
 27442 BALBOA EQUITY FUND
 SACON CONSTRUCTORS INC
 27452 JACK TARR DEVELOPMENT CO
 27461 ADVANCED HOSPITAL SYSTEMS

CALLE ARROYO 1995 (Cont'd)

27461 EPT LANDSCAPE ARCHITECTURE
LLOYD ENTERPRISES
MARICH MANAGEMENT CORP
NEW ENGLAND FINANCIAL ADVISORS
RICHARD PRICE & ASSOC INC
RUSTY PELICAN RESTAURANTS
S GLENN EICHLER INC
SUPPORT SYSTEMS INTL
27462 EMBASSY PUBLISHING
27512 COUNTY HEALTH CARE AGENCY
27514 COMMUNITY COUNSELING CTR
27911 LISTER, BRUCE E
27921 OCCUPANT UNKNOWNN
27931 PRADO, FRANK
27941 GATES, ROBERT E

CALLE ARROYO 1992

27123 COAST CONCRETE
 LIFE KIT INC
 PEAK FINANCIAL
 27125 OXFORD FNCL GROUP
 POLARIS EQUITIES
 US BASEBALL CARDS
 27127 BASSI TRADING INC
 CHARCHOL&HARTMAN
 MCQUISTON DRFTG SRV
 STONERIDGE HOMES
 VERDE J SALES TRNNG
 27129 LIFE CH SADDLBCK
 27131 ADVANCED HEALTH CTR
 FAMILY FITNESS CNTR
 SOUTH CO MORTGAGE
 27252 GATES, BRAD
 HOLMAN, KATNY
 ORTEGA EQUESTRN CTR
 SILVER FOX FARMS
 27282 BURTON ADVERTISING
 NEW PRODUCTS MRKTG
 REMEMORY INC
 27292 AHHHHH GRAPHICS
 27302 D F S
 KANOY CHARLES A CLU
 KANOY, CHARLES A
 MILBURN SARA E ATTY
 WENGER&BAUER CPA
 27322 BALDERMAN&ASSOCIATE
 NELSON MICHAEL K DC
 THORPE STEVEN L DC
 27352 ADVANCED TRAFFIC SV
 T G INTL INS BRKRGE
 TRAVEL GUARD INC
 27382 CROWN VLY DEVL
 LENOX GROUP
 PETERS WILLIAM&ASC
 27392 AIRMARK
 OMNITOURS
 27422 A A A SOUTH ORANGE
 NUNES FRANK C ATTY
 27432 LUPO&ASSOCIATES
 27442 SACON CONSTR INC
 27461 ADVANCED HOSP SYSTM
 B ALEXLANDER CO
 BLAIR BARRY DESIGN
 BUNGANICH, MICHAEL J
 C I S CORPORATION
 E P T LNDSCP ARCH
 EICHLER S GLENN INC

CALLE ARROYO 1992 (Cont'd)

27461	EMPLOYERS NEWSLETTR
	ERIKSSON, PETERS T
	LLOYD ENTERPRISES
	NEW ENGLAND FNCL
	PRICE RICH&ASC INC
	RUSTY PELICAN REST
	SUPPORT SYSTMS INTL
27462	LAND CO THE
	S H C ASSOCIATES
27512	ORG CO HEALTH NRSNG
27514	COMNTY COUNSELING
27911	LISTER, BRUCE E
27931	PRADO, FRANK
27941	GATES, ROBERT E
31555	KENNEDY, W H
31565	MCLENNAN, BONNIE

CALLE ARROYO 1985

CALLE ARROYO 92675
SAN JN CPSTRNO

27252	MORRISON MARY BETH	661-9226 +5
	ORTEGA EQUESTRN CTR	661-9978 4
27282	EQUUS FINANCIAL	240-2477 +5
27302	BUNCE BOB ASSOCTS	240-1441 +5
	FABRICK SARA E ATTY	831-8763 4
	INTEGRATED RES EQTY	831-1962 +5
	KANOY CHARLES A CLU	661-8889 +5
	MCGANN S P ATTY	831-8007 4
	WENGER&BAUER CPAS	831-1961 4
	WENGER&BAUER CPAS	661-6969 +5
27312	SZABO MARC ASSOCTS	643-2220 3
27392	ORTEGA PROPERTIES	643-2490 3
	SANDERSON&KNUTSON	240-0408 +5
27512	GRAHAM S ROBERT MD	240-7701 +5
	PHYSICIAN ESTBLSHMT	240-1003 +5
27901	MASON ED	493-0492
27911	FRISTED ERIC G	496-4191 +5
27921	STACHOWSKI MIKE V	661-2157 3
27931	PRADO FRANK	240-1348 4
27941	GATES ROBT E	493-1804
31551	BESHIRI MICHAEL MAJ	493-1190 +5
31555	KENNEDY W H	493-7664 8
31561	TESSMER TOM	661-3102 4
31565	GREEN HARRISON	661-8664 4
★	14 BUS	10 RES 11 NEW

CALLE ARROYO 1980

CALLE ARROYO 92675
SAN JN CPSTRNO

25932	DENMAN LAURA	496-1478	+0
25942	XXXX	00	
25961	CHAPMAN E D	496-6396	7
27901	MASON ADRIENNE	493-0492	5
27911	STERZENBACH ROBT	493-9697	4
27941	GATES ROBT E	493-1804	4
31551	LEWIS A	493-9828	8
31555	KENNEDY W H	493-7664	8
31561	COLE P	493-0155	9
31565	HOLLIMAN A E	493-1024	6
★	0 BUS	10 RES	1 NEW

CALLE ARROYO 1975

CALLE ARROYO 92675

SAN JUAN CAPISTRANO

27901 MASON ED 493-0492+5

27911 STERZENBACH ROBT 493-9697 4

27941 GATES ROBT E 493-1804 4

* 0 BUS 3 RES 1 NEW

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 92675

Inquiry Number: 4922940.3

May 01, 2017

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrmet.com

Certified Sanborn® Map Report

05/01/17

Site Name:

Watt - San Juan Capistrano
Calle Arroyo & Paseo Tirador
San Juan Capistrano, CA 9267
EDR Inquiry # 4922940.3

Client Name:

Stantec
25864-F Business Center Drive
Redlands, CA 92374
Contact: Dion Monge



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PO # NA

Project Watt - San Juan Capistrano

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: E62B-4E2A-AFDF

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- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT SWC OF CALLE ARROYO AND PASEO
TIRADOR, SAN JUAN CAPISTRANO, CALIFORNIA 92675**

Appendix F – Agency Records

Appendix F AGENCY RECORDS

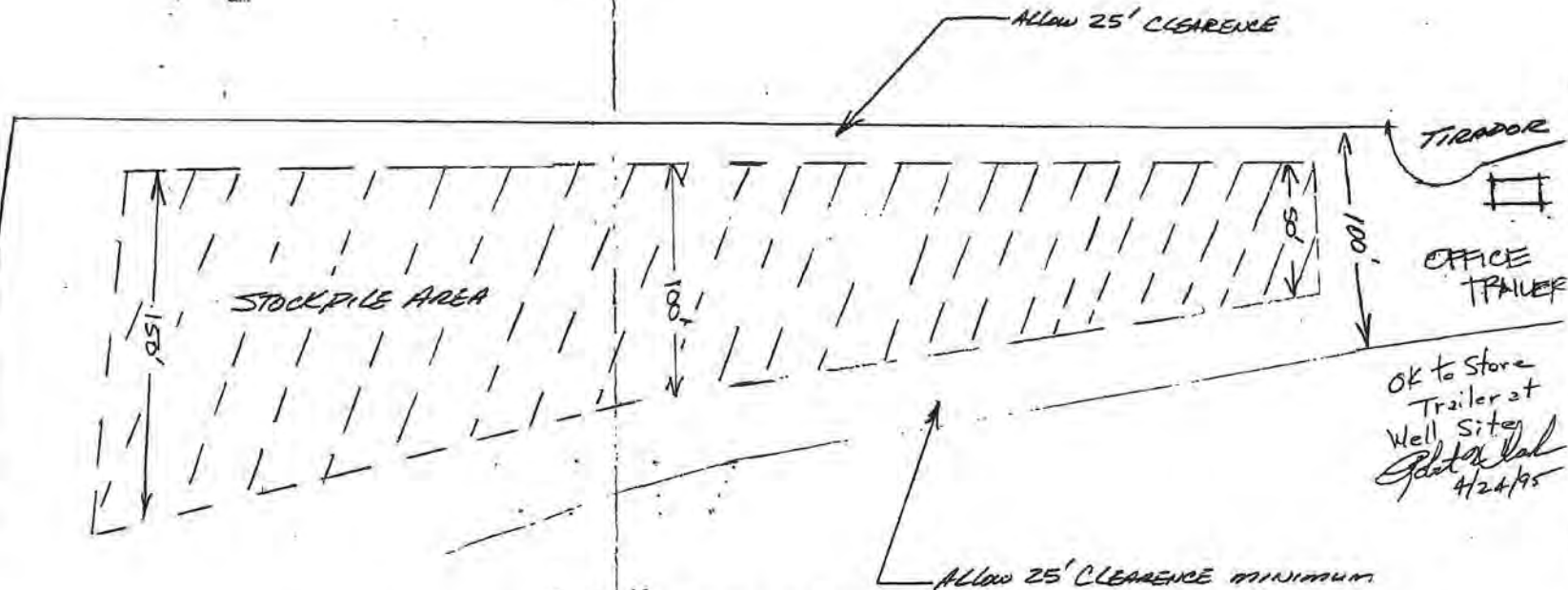
ORIGINAL!

An OSHA permit is required for excavations over 5' 0" deep and demolition or construction of structures over 3 stories in height.

ORIGINAL

1

Highway 5 Northbound



DEPARTMENT OF COMMUNITY PLANNING AND DEVELOPMENT

These plans are approved as in conformance with the Land Use Management Code and the rules and regulations of the Department of Community Planning and Development. No changes will be permitted during the construction which effect the site plan or the location of the buildings without the express authorization of the Department of Community Planning and Development.

Prior to the issuance of a certificate of use and occupancy for this project, the applicant must be in full compliance with the Department of Community Planning and Development and the rules and regulations of the Department of Community Planning and Development. The applicant must also be in full compliance with the rules and regulations of the Department of Community Planning and Development.

UP provided

Date 4-24-95

APPROVED BY: [Signature]

SAN JUAN CREEK

CITY OF SAN JUAN CAPISTRANO
APPROVED

It is Unlawful to Make Any Changes or Alterations Without Written Permission from the Building Official. The Approval of These Plans Shall Not Permit or Be an Approval of Violation of Any Provisions of City Ordinance or State Law.

By: [Signature] BUILDING OFFICIAL
Date: 4/24/95 Permit No. 997624

BUILDING
DIVISION SET

HOURS

Construction Permitted
During These Hours Only:
Mon- Fri: 7 AM-6PM
Sat: 8:30 AM-4:30 PM
Sunday: None
Federal Holidays: None
Sat: Earth Hauling
8:30 AM- 12:30 PM

STOCKPILE AREA - CITY OF SAN JUAN CAPISTRANO

PASED TIRADOR AT SAN JUAN CREEK

ESTIMATED QUANTITY 50,000 CUBIC YARDS

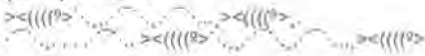
From: Lima, Lucas@Waterboards on behalf of RB9_Records, WB@Waterboards
To: Monge, Dion
Subject: RE: Public Records search request
Date: Thursday, May 04, 2017 2:26:27 PM

Good afternoon Dion.

We could find no records for the addresses requested.

Sincerely,

Lucas Lima | Public Records Coordinator
San Diego Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108
(619) 521-3377



From: Monge, Dion [mailto:Dion.Monge@stantec.com]
Sent: Wednesday, May 03, 2017 3:24 PM
To: RB9_Records, WB@Waterboards <rb9_records@waterboards.ca.gov>
Subject: Public Records search request

Good afternoon,

We are conducting a Phase 1 ESA for a property in San Juan Capistrano. I have reviewed Geotracker and did not find any documents but was wondering if there might be anything older that is not listed on Geotracker. The only known address and the property APNs are listed below:

27122 Paseo Tirador, San Juan Capistrano
APNs: 666-131-07, 666-131-09, 666-131-13, 666-131-14, 666-131-15, 666-131-16

Thank you for your help!

Dion Monge
Associate Scientist
Stantec
25864-F Business Center Drive, Redlands CA 92374-4515
Phone: (909) 335-6116
Cell: (909) 556-6516
Fax: (909) 335-6120
Dion.Monge@stantec.com

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 Please consider the environment before printing this email.

From: [Munn, Joshua@Waterboards](mailto:Munn,Joshua@Waterboards)
To: [Monge, Dion](#)
Subject: FW: San Juan Capistrano Landfill
Date: Friday, May 12, 2017 11:41:10 AM
Attachments: [image008.png](#)
[image004.png](#)
[image014.png](#)
[666-131-09 stewart title rpt.pdf](#)
[666-131-09 Property Detail Report.pdf](#)
[OCWR Landfill List.pdf](#)
[RE San Juan Capistrano Landfill.msg](#)

Dion,

Based on the information received and the attached documents it does not appear that your site is a former landfill. Please refer to the email chain below and attached information.

Regards,

Josh Munn, P.G. 8892
Engineering Geologist
Land Disposal Unit
Division of Water Quality
State Water Resources Control Board
1001 I Street, 15th Floor
Sacramento, CA 95814
916-341-5813
fax 916-341-5844
joshua.munn@waterboards.ca.gov



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From: Odermatt, John@Waterboards
Sent: Friday, May 12, 2017 9:28 AM
To: Munn, Joshua@Waterboards
Cc: St.Pierre, Brianna@Waterboards; Grove, Amy@Waterboards
Subject: FW: San Juan Capistrano Landfill

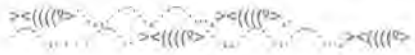
Josh,

Please see email string below and attached pdf info (from the County of Orange Waste and Recycling Department) concerning the "landfill" in San Juan Capistrano. Again, no one in this area seems to know

anything about it and WMUDS appears to be the only reference to it so far. Fyi and consideration ...
John

Regards,

John R. Odermatt, M.Sc., PG, Senior Engineering Geologist
California Regional Water Quality Control Board - San Diego Region
2375 Northside Drive, Suite 100,
San Diego, CA 92108-2700
OFFICE TEL: 619-521-5906
GENERAL OFFICE TEL: 619-516-1990



RWQCB WEB PAGES:

Drought/Water Conservation information:

http://www.waterboards.ca.gov/water_issues/programs/conservation_portal/emergency_regulation.shtml

San Diego Water Board Home Webpage: www.waterboards.ca.gov/sandiego



From: Grove, Amy@Waterboards
Sent: Friday, May 12, 2017 9:18 AM
To: Odermatt, John@Waterboards <John.Odermatt@waterboards.ca.gov>
Subject: FW: San Juan Capistrano Landfill

FYI. This is from David regarding the San Juan Capistrano Landfill. It doesn't look like that parcel is a landfill at all.

Amy L. Grove, P.G. 9258
San Diego Water Board, Land Discharge Unit
2375 Northside Drive, Suite 100
San Diego, CA 92108

From: Tieu, David [OCWR] [<mailto:david.tieu@ocwr.ocgov.com>]
Sent: Friday, May 12, 2017 8:58 AM
To: Grove, Amy@Waterboards <Amy.Grove@waterboards.ca.gov>

Subject: FW: San Juan Capistrano Landfill

Hi Amy,

Just want to loop back to you regarding the inquiry on the "San Juan Capistrano Landfill". I double checked with Kathy Cross of the LEA if they had any information on this landfill within their database. The LEA has an extensive list and there is no reference of this landfill in their system or CalRecycle's database. Also there is no reference that either Prima, Del Obispo, and Forster Canyon went by these names.

I also checked our records and we could not find this landfill within our system. We've catalogued all of our landfills and have performed environmental assessments on all of our former landfills. The list also contains proposed disposal sites that were considered but never built such as Irvine Park (#5/6) and Goldenwest (#14). It's highly unlikely a disposal site operated by the County would have been missed by OCWR or the regulators for this long (see attached list).

We also obtained a property detail report and title report for the subject property (APN 666-131-09). There is no information in the reports that indicate it being a former disposal site. We've also reached out to Dion Monge of Stantec to get some additional information about the parcel but have not heard back.

David

From: Tieu, David [OCWR]

Sent: Tuesday, May 09, 2017 2:59 PM

To: Amy Grove (Amy.Grove@waterboards.ca.gov) <Amy.Grove@waterboards.ca.gov>

Subject: FW: San Juan Capistrano Landfill

Amy,

Del Obispo Station No. 3 was a former dump operated by the County. It is located in the City of Dana Point near Pacific Coast Highway and Dana Point Harbor (see map). It is located near San Juan Creek but further downstream from the site map that was provided. I looked at our Environmental Assessment Report for Del Obispo to see if I could correlate the WDID number or other information in the attachments. None of it matches. The description pulled up could still be either Forster or Del Obispo, just not sure. I'll need to make some phone calls and dig a little deeper and get back to you.

David

From: Grove, Amy@Waterboards [<mailto:Amy.Grove@waterboards.ca.gov>]

Sent: Tuesday, May 09, 2017 9:12 AM

To: Tieu, David [OCWR] <David.Tieu@ocwr.ocgov.com>

Subject: FW: San Juan Capistrano Landfill

David,

I was just looking at this site again, and it occurred to me that this may be the Del Obispo Burn Site. I have never been to the site, but based on the location of the property in question, this could be it. Do you know anything about that site?

Amy L. Grove, P.G. 9258
San Diego Water Board, Land Discharge Unit
2375 Northside Drive, Suite 100
San Diego, CA 92108

From: Grove, Amy@Waterboards
Sent: Tuesday, May 9, 2017 6:40 AM
To: Tieu, David [OCWR] (David.Tieu@ocwr.ocgov.com) <David.Tieu@ocwr.ocgov.com>
Subject: FW: San Juan Capistrano Landfill

Amy L. Grove, P.G. 9258
San Diego Water Board, Land Discharge Unit
2375 Northside Drive, Suite 100
San Diego, CA 92108

From: Munn, Joshua@Waterboards
Sent: Monday, May 8, 2017 4:11 PM
To: Dion.Monge@stantec.com
Cc: Grove, Amy@Waterboards <Amy.Grove@waterboards.ca.gov>; Odermatt, John@Waterboards <John.Odermatt@waterboards.ca.gov>; St.Pierre, Brianna@Waterboards <Brianna.St.Pierre@waterboards.ca.gov>; Christensen, Ember@Waterboards <Ember.Christensen@waterboards.ca.gov>
Subject: RE: San Juan Capistrano Landfill

Good Afternoon,

Leslie Graves retired earlier this year and Brianna St. Pierre has just recently been assigned as the new Land Disposal Program Manager at the State Water Board (her contact information is included below). In regard to information pertaining to the San Juan Capistrano Landfill, we will have to refer you to the San Diego Regional Water Quality Control Board (Region 9). Please contact Amy Grove or John Odermatt (Region 9 RWQCB).

We did look through our records at the State Board and due to the age of the site we found limited information from in reference to Waste Discharge System ID "9 300005NUR" (see attached spreadsheet). NUR numbers were generally assigned to facilities that weren't necessarily issued waste discharge requirements, or were not under regulations. This was possibly a site that was likely a dump that was closed and not put under a closure permit before regulations took effect leaving little information available. Additionally, Forster Canyon Landfill is another landfill less than one mile to the south of your site that may also be an interest to you with a list of documentation. I've provided a link to the GeoTracker casefile http://geotracker.waterboards.ca.gov/profile_report?global_id=L10004423988.

San Diego Region Water Quality Control Board (Region 9)

- **Amy Grove**
Engineering Geologist
Land Discharge Unit

(619) 521-3920

Amy.Grove@waterboards.ca.gov

- **John Odermatt**

Senior Engineering Geologist

Program Manager

Land Discharge Unit

(619) 521-5906

John.Odermatt@waterboards.ca.gov

State Water Resources Control Board

- **Brianna St. Pierre, P.G.**

Senior Engineering Geologist

Land Disposal Program Manager

Land Disposal Unit

(916) 341-5810

Brianna.St.Pierre@waterboards.ca.gov

Please feel free to contact me anytime with questions.

Regards,

Josh Munn, P.G.

Engineering Geologist

Land Disposal Unit

Division of Water Quality

State Water Resources Control Board

1001 I Street, 15th Floor

Sacramento, CA 95814

916-341-5813

fax 916-341-5844

joshua.munn@waterboards.ca.gov



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From: Monge, Dion [<mailto:Dion.Monge@stantec.com>]

Sent: Monday, May 08, 2017 1:26 PM

To: Christensen, Ember@Waterboards

Cc: Langley, Nadine@Waterboards; Munn, Joshua@Waterboards

Subject: San Juan Capistrano Landfill

Hi All,

Sorry to email all of you but I've tried sending Leslie Graves this email to a couple different addresses and it was kicked back to me. I'm guessing she is no longer with the board. Anyway, The reason that I am emailing is that I am working on a Phase 1 Environmental Assessment for a property in San Juan Capistrano. One of the elements of the assessment is to review agency documents and environmental databases for the property in question to see if there are any chemical releases or landfills in the site vicinity. The property we are looking at is shown on the attached "aerial with stockpile" and is the area outlined in red. So when I pulled the environmental database report, a landfill listing identified as "San Juan Capistrano Landfill" came up. In looking at the OC Landfills website, I don't see any active, inactive, or closed landfill sites by the name of San Juan Capistrano Landfill and none of the listed landfills on the OC Landfills website correspond with the referenced location. I also spoke with Kathryn Cross at OC Waste and Recycling and she said they don't have anything on records by the name of "San Juan Capistrano Landfill" and to contact the regional board's land disposal unit since the database listing I have references a waste discharge system ID. So that's what led me to you. I attached a screenshot of this database listing, it indicates that it is 300' north of San Juan Creek and gives a waste discharge system ID of "9 300005NUR".

Can you help me with getting information on this listing because I am concerned that it is on or near the site we are looking at? The proposed use of the site we are looking at is residential so obviously we want to be cautious and do our due diligence. Please let me know as soon as you are able and please feel free to contact me by my mobile number below.

Thank you very much

Dion Monge

Associate Scientist

Stantec

25864-F Business Center Drive, Redlands CA 92374-4515

Phone: (909) 335-6116

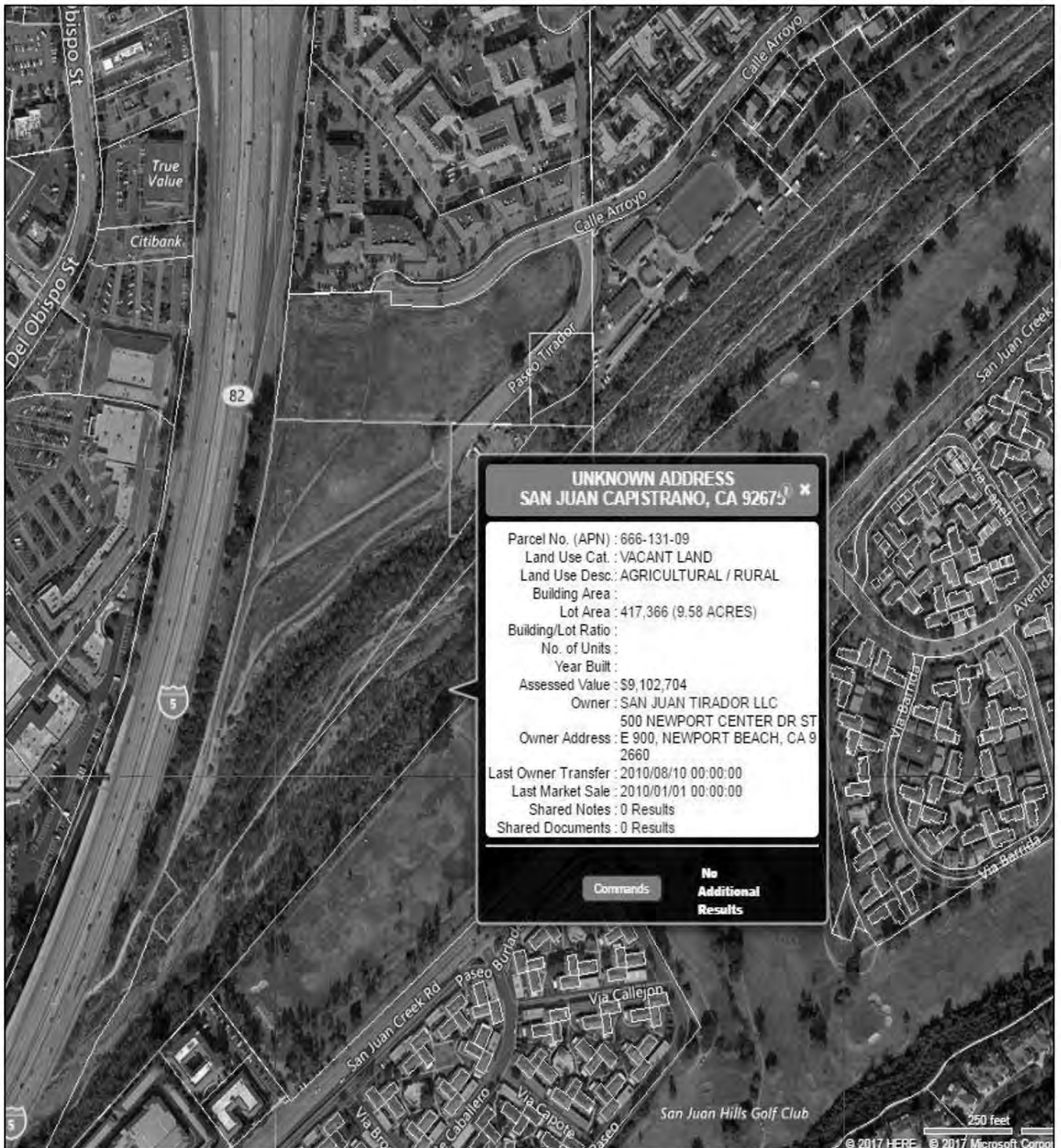
Cell: (909) 556-6516

Fax: (909) 335-6120

Dion.Monge@stantec.com

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UNKNOWN ADDRESS
SAN JUAN CAPISTRANO, CA 92675 *

Parcel No. (APN) : 666-131-09
Land Use Cat : VACANT LAND
Land Use Desc : AGRICULTURAL / RURAL
Building Area :
Lot Area : 417,366 (9.58 ACRES)
Building/Lot Ratio :
No. of Units :
Year Built :
Assessed Value : \$9,102,704
Owner : SAN JUAN TIRADOR LLC
500 NEWPORT CENTER DR ST
Owner Address : E 900, NEWPORT BEACH, CA 9
2660
Last Owner Transfer : 2010/08/10 00:00:00
Last Market Sale : 2010/01/01 00:00:00
Shared Notes : 0 Results
Shared Documents : 0 Results

Commands

No
Additional
Results

Property Detail Report for:



, SAN JUAN CAPISTRANO, CA, 92675-

Owner Information:

Owner Name: **SAN JUAN TIRADOR LLC**
 Mailing Address: **500 NEWPORT CENTER DR STE 900, NEWPORT BEACH, CA, 92660-7025**
 Vesting Code: Phone Number:

Location Information:

Legal Description: **TR 103 LOT 31 POR OF LOT AND POR OF ABAND STR**
 County: **ORANGE** FIPS Code: **06059** Census Trct/Blk: **042312 / 2**
 APN: **666-131-09** Alternative APN: Map Ref:
 Twnshp-Rnge-Sect: **--** Legal Book/Page: Tract No: **103**
 Legal Lot: **31** Legal Block:
 Subdivision:

Last Market Sale Information:

Sale Date: **1/1/2010** Sale Price: 1st Mtg Amount:
 Sale Doc No: **2010-00383420** Price Per SqFt: 1st Mtg Int Type:
 Transfer Doc No: **2010000383420** Price Per Acre: 2nd Mtg Amount:
 1st Mtg Doc No: 2nd Mtg Int Type:
 Sale Type:
 Deed Type:
 Title Company:
 Lender:
 Seller Name:

Property Characteristics:

Building Area: Total Rooms: Construction:
 Living Area: Bedrooms: Heat Type:
 Garage Area: Baths: **0** Air Cond:
 Basement Area: Fireplace: Roof Type:
 Parking Type: No of Stories: Roof Material:
 Yr Built/Effective: **/** Quality: Style:
 Pool Code:

Tax and Value Information:

Assessed Value: **\$9,102,704** Assessed Year: **2016** Est Market Val:
 Land Value: **\$9,102,704** Property Tax: **\$95,494** Assessor Appd Val:
 Improvement Value: Improvement %: Tax Exemption:

Site Information:

Assessor Acres: **9.581** Zoning: Land Use Code: **430**
 Assessor Lot SqFt: **417,366** No of Buildings: Land Use Desc: **AGRICULTURAL LAND**
 Lot W/D: **/** Res/Comm Units: County Use Code: **5**
 Calculated Acres: **11.2415** Sewer Type:
 Calculated Lot SqFt: **489,680** Water Type:

real estate reports



Subject Property

Situs Na Call Assessor At 714-
San Juan Capistrano
CA 92675
APN: 666-131-09

Prepared For:

Data Provided By:

LINDA STANDAART
Glendale

Data Provided By:

LINDA STANDAART
Glendale

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Subject Property : **Situs Na Call Assessor At 714- San Juan Capistrano CA 92675**

Owner Information

Owner Name : **San Juan Tirador Llc**

Mailing Address : **500 Newport Center Dr #900, Newport Beach CA 92660-7025**

Location Information

Legal Description : **Tr 103 Lot 31 Por Of Lot And Por Of Aband Str**

County : **Orange, Ca**

Market Area : **OR**

Census Tract / Block : **320.23**

APN : **666-131-09**

Legal Lot : **31**

Tract : **103**

Legal Block : **1000**

School District : **Capistrano**

Owner Transfer Information

Recording/Sale Date : **01/04/2013 / 01/04/2013**

Deed Type : **Grant Deed**

Document # : **7318**

Last Market Sale Information

Recording/Sale Date : **12/01/2006 / 11/28/2006**

Document # : **808893**

Sale Type : **N**

Deed Type : **Grant Deed**

Seller Name : **Ortega Land Co Llc**

Prior Sale Information

Prior Rec/Sale Date : **05/01/1989 / 04/00/1989**

Prior Doc Number : **227980**

Property Information

Land Use : **Agricultural
(nec)**

Lot Acres : **11.90**

Lot Size : **518,364**

County Use : **Rural**



Property Detail

Tax Information

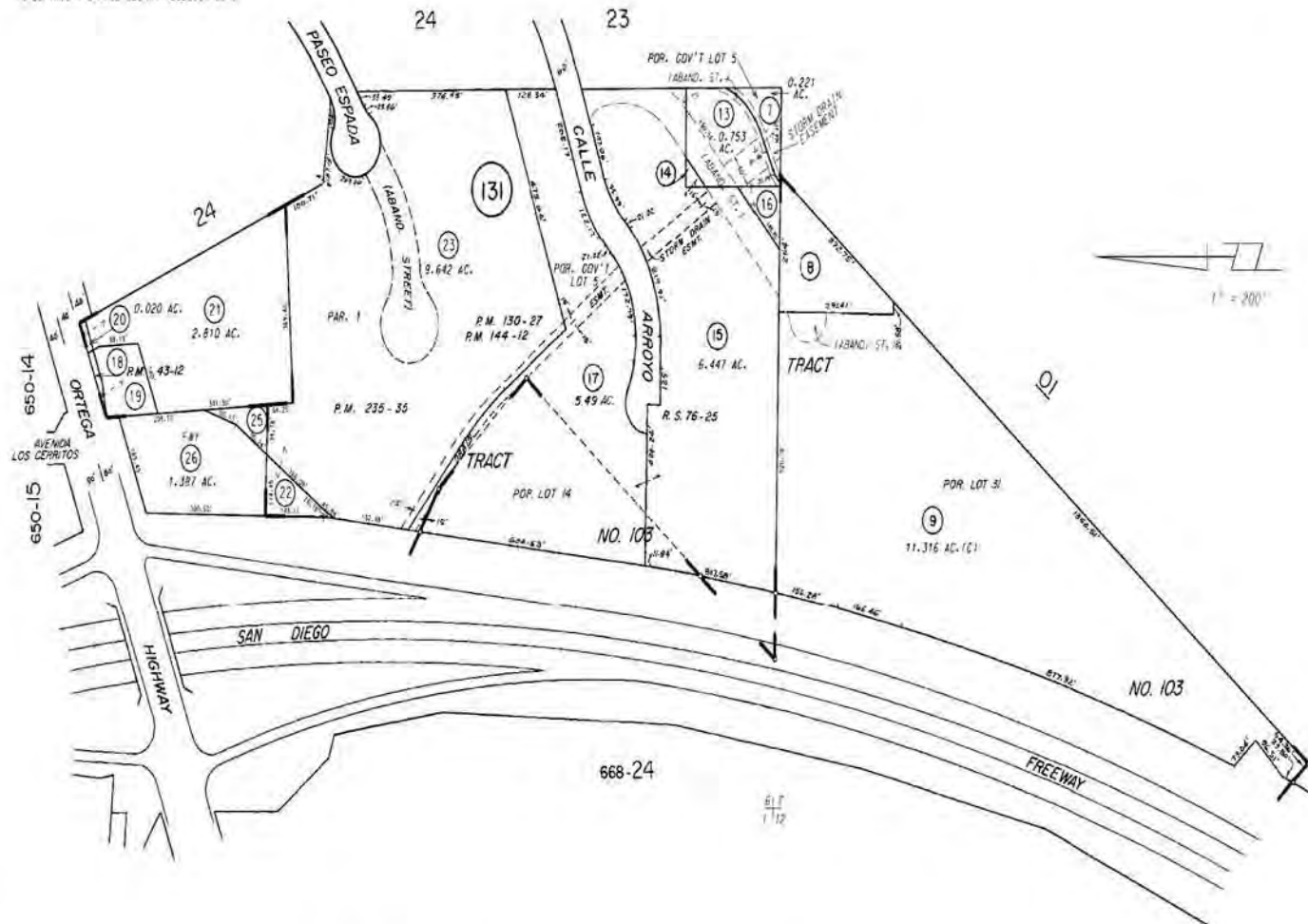
Total Value :	\$9,102,704	Tax Year :	2016	MWD WATER	\$109.16/0.00
				STDBY CHG Tax /	
				Rate :	
Land Value :	\$9,102,704	Property Tax :	\$95,494.32	VECTOR	\$12.15/0.00
				CONTROL CHG	
				Tax / Rate :	
Total Taxable	\$9,102,704	Tax Rate Area :	23012	MOSQ/FIRE ANT	\$6.72/0.00
Value :				ASSMT Tax / Rate :	
Assessed Year :	2016	Water Tax :	ORANGE CO	TOTAL OF SPECIAL	\$128.03/0.00
				ASSESSMENTS	
				Tax / Rate :	



Comparables

No comparables data for selected property.

666-13



ASSESSOR'S MAP
BOOK 666 PAGE 13
COUNTY OF ORANGE

--	--

Assessor Map

Transaction History

Sales History

Rec. Date :	01/04/2013	08/10/2010	12/01/2006	11/30/2005
Sale Date :	01/04/2013	07/30/2010	11/28/2006	11/21/2005
Sale Price :		\$8,800,000		
Rec.Doc.No :	7318	383420	808893	957847
Doc. Type :	GRANT DEED	TRUSTEE'S DEED	GRANT DEED	GRANT DEED
Sale Price Type :		UNKNOWN	N	UNKNOWN
Buyer :	San Juan Tirador Llc	Ca Paseo Tirador Llc	Lb Of Centra Tirador Llc	Ortega Land Co Llc
Seller :	Ca Paseo Tirador Llc	First American Title Ins	Ortega Land Co Llc	Ortega Properties Inc
Title Company :	Fidelity National Title	First American Title Insurance	First American Title	Chicago Title Co
Other Doc No :				

Rec. Date :	12/16/1997	05/01/1989
Sale Date :	12/05/1997	04/00/1989
Sale Price :		
Rec.Doc.No :	645530	227980
Doc. Type :	DEED (REG)	CORPORATION GRANT DEED
Sale Price Type :	FULL	FULL
Buyer :	Ortega Properties Inc	Real Estate Holdings Inc
Seller :	Real Estate Holdings Inc	Ortega Properties Inc
Title Company :	Chicago Title Insurance Compan	Chicago Title Insurance Compan
Other Doc No :		

Transaction History

Mortgage History

1st Mortgage Details

Mtg. Date :	01/24/2017	01/12/2015	12/01/2006	11/30/2005
Mtg. Amt :	\$10,000,000	\$12,000,000	\$57,120,000	\$7,500,000
Mtg. Doc. No :	30645	9912	808894	957848
Doc. Type :	CONSTRUCTION DEED OF TRUST	DEED OF TRUST	CONSTRUCTION DEED OF TRUST	DEED OF TRUST
Loan Type :		CONVENTIONAL		CONVENTIONAL
Mtg. Rate Type :				FIXED RATE LOAN
Mtg. Term :				
Mtg. Rate :				
Lender :	Farmers & Merchants Bk/ Ing Bch	Farmers & Merchants Bk/ Ing Bch	Lehman Ali Inc	First Bk
Borrower 1 :	San Juan Tirador Llc	San Juan Tirador Llc	Lb Of Centra Tirador Llc	Ortega Land Co Llc
Borrower 2 :				
Borrower 3 :				
Borrower 4 :				

Mtg. Date :	12/16/1997
Mtg. Amt :	\$9,000,000
Mtg. Doc. No :	
Doc. Type :	
Loan Type :	CONVENTIONAL
Mtg. Rate Type :	
Mtg. Term :	
Mtg. Rate :	
Lender :	Bank Of America
Borrower 1 :	Ortega Properties Inc
Borrower 2 :	
Borrower 3 :	
Borrower 4 :	



Transaction History

Foreclosure History

Doc Type :	NOTICE OF TRUSTEE'S SALE	NOTICE OF DEFAULT
Recording Date :	07/08/2010	03/31/2010
Fore. Doc. No :	322923	149551
Orig Mtg Amt :	\$57,120,000	\$57,120,000
Orig Doc Date :	12/01/2006	12/01/2006
Lender Name :	Lehman Ali Inc	Lehman Ali Inc



Neighbors

31896 PLAZA DR # B

Owner Name : Capistrano Home Center Llc	Sale Price : \$30,000
Sale Date : 07/13/2006	Property Tax : \$62,404.30
Total Value : \$5,948,843	Lot Acres : 3.37
Land Use : Commercial (nec)	APN : 668-241-23
Recording Date : 07/17/2006	

31878 DEL OBISPO ST

Owner Name : Plaza Del Obispo Llc	Recording Date : 05/19/2006
Sale Date : 05/11/2006	Property Tax : \$176,160.60
Total Value : \$16,798,902	Lot Acres : 7.00
Land Use : Commercial (nec)	Living Area : 4,087
Stories : 1	APN : 668-241-22
Yr Blt / Eff Yr Blt : 1966 /	

SITUS NA CALL ASSESSOR AT 714-

Owner Name : San Juan Tirador Llc	Property Tax : \$1,105.78
Total Value : \$102,784	Lot Acres : 0.12
Land Use : Agricultural (nec)	APN : 666-131-16

31874 DEL OBISPO ST

Owner Name : Stroscher Theodore H	Recording Date : 08/00/1988
Total Value : \$6,869,764	Property Tax : \$72,051.58
Land Use : Commercial (nec)	Lot Acres : 2.80
Stories : 1	Living Area : 31,979
Yr Blt / Eff Yr Blt : 1979 /	APN : 668-241-19

SITUS NA CALL ASSESSOR AT 714-

Owner Name : San Juan Tirador Llc	Property Tax : \$1,976.76
Total Value : \$185,920	Lot Acres : 0.17
Land Use : Agricultural (nec)	APN : 666-131-07



Neighbors

SITUS NA CALL ASSESSOR AT 714-

Owner Name :	San Juan Tirador Llc	Property Tax :	\$7,657.70
Total Value :	\$728,164	Lot Acres :	0.55
Land Use :	Agricultural (nec)	APN :	666-131-13

SITUS NA CALL ASSESSOR AT 714-

Owner Name :	San Juan Tirador Llc	Property Tax :	\$400.28
Total Value :	\$36,406	Lot Acres :	0.39
Land Use :	Agricultural (nec)	APN :	666-131-14

31876 CAMINO CAPISTRANO

Owner Name :	Stroscher Theodore H	Property Tax :	\$33,148.02
Total Value :	\$3,161,274	Lot Acres :	0.77
Land Use :	Commercial (nec)	Living Area :	9,000
Stories :	1	APN :	668-241-21
Yr Blt / Eff Yr Blt :	1980 /		

Sales Document

RECORDING REQUESTED BY
FIDELITY NATIONAL TITLE

Recorded in Official Records, Orange County
Renee Ramirez, Assistant Clerk-Recorder



38.00

2013000007318 12:44 pm 01/04/13
117 406 G02 5 Non-dis
0.00 0.00 20.00 0.00 12.00 0.00 0.00 0.00

AND WHEN RECORDED MAIL DEED
AND TAX STATEMENT TO:

San Juan Tirador LLC
500 Newport Center Dr. #900
Newport Beach, CA 92660
Attn:

Escrow No.
Order No. 23018612-EB

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

Assessor's Parcel No.

In accordance with Section 11932 of the California Revenue and Taxation Code, Grantor has declared the amount of the transfer tax that is due by a separate statement that is not being recorded with this Grant Deed.

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

CA PASEO TIRADOR LLC, a Delaware limited liability company,

hereby GRANT(S) to:

San Juan Tirador, LLC, a Delaware limited liability company,

the following described real property in the County of Orange, State of California:

SEE EXHIBIT "A" ATTACHED HERETO.

Dated: 1/4, 2013

IN WITNESS WHEREOF, said Grantor has caused its name and seal to be affixed hereto and this instrument to be executed as of the date mentioned above.

CA PASEO TIRADOR LLC,
a Delaware limited liability company

By: PROPERTY ASSET MANAGEMENT INC.,
a Delaware corporation,
its managing member

By: [Signature]
Name: Jeffrey Fitts
Its: Authorized Signatory

CA PASEO TIRADOR LLC - GRANT DEED

STATE OF New York)
COUNTY OF New York)

On January 3, 2013, before me, Deanna Emilio Notary Public, personally appeared Jeffrey Pitts, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of New York that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

DEANNA EMILIO
Notary Public, State of New York
No. 01EM0171062
Qualified in New York County
Term Expires July 23, 2015

Deanna Emilio
Signature, a Notary Public

My commission expires on July 23, 2015

(Official Seal)

CA PASEO TIRADOR LLC – GRANT DEED

- 2 -

**NOTARY SEAL
GOVERNMENT CODE SECTION 27361.7**

I CERTIFY UNDER PENALTY OF PERJURY THAT THE NOTARY SEAL ON THE DOCUMENT TO WHICH THIS STATEMENT IS ATTACHED READS AS FOLLOWS:

NAME OF NOTARY DEANNA EMILIO

DATE COMMISSION EXPIRES JULY 23, 2015

COMMISSION NUMBER 01EM6171082 / COUNTY OF NEW YORK / STATE OF NEW YORK

PLACE OF EXECUTION NEWPORT BEACH

DATE January 4, 2013

SIGNED *Deanna Emilio*

Notary Seal Affidavit (notarysealaff)(04-06)

EXHIBIT "A" TO GRANT DEED

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

THAT PORTION OF LOT 31 OF TRACT NO. 103, IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 11, PAGES 29 TO 33 INCLUSIVE, OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, BOUNDED GENERALLY NORTHWESTERLY BY THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTHWESTERLY LINE OF SAID LOT WITH THAT CERTAIN COURSE HAVING A BEARING AND DISTANCE OF SOUTH 24° 40' 42" WEST 176.77 FEET, AS DESCRIBED IN DEED 41616 TO THE STATE OF CALIFORNIA, RECORDED IN BOOK 8033, PAGE 776 OF OFFICIAL RECORDS, IN SAID OFFICE; THENCE ALONG THE NORTHERLY PROLONGATION OF SAID COURSE, NORTH 24° 40' 42" EAST 29.80 FEET; THENCE NORTH 46° 16' 10" EAST 96.51 FEET; THENCE NORTH 40° 50' 28" WEST 73.04 FEET TO THE INTERSECTION THEREOF WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 5630.00 FEET; THENCE NORTHERLY ALONG SAID CURVE FROM A TANGENT WHICH BEARS NORTH 22° 34' 55" EAST, THROUGH AN ANGLE OF 8° 55' 42", AN ARC DISTANCE OF 877.32 FEET; THENCE TANGENT TO SAID CURVE, NORTH 13° 39' 13" EAST 166.46 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 2750.00 FEET; THENCE NORTHERLY ALONG SAID LAST MENTIONED CURVE, THROUGH AN ANGLE OF 3° 15' 22", AN ARC DISTANCE OF 156.28 FEET TO THE INTERSECTION THEREOF WITH THE NORTHERLY LINE OF SAID LOT.

EXCEPT THAT PORTION THEREOF CONVEYED BY THE STATE OF CALIFORNIA, BY DIRECTOR'S 69 DEED D-2510, RECORDED IN BOOK 3441, PAGE 235 OF OFFICIAL RECORDS IN SAID OFFICE.

ALSO EXCEPT FROM THAT PORTION OF SAID LAND DESCRIBED IN THE DEED RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS, ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LAND OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE

- 3 -

CA PASED TIRADOR LLC - GRANT DEED

LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LAND, AS RESERVED IN DEED FROM CARL L. STROSCHER AND OTHERS, RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL MINERALS, OILS, GASES AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, NOT OTHERWISE RESERVED, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, WITHOUT, HOWEVER, THE RIGHT TO DRILL, DIG OR MINE THROUGH THE SURFACE OR THE UPPER 500 FEET THEREOF, AS RESERVED IN THE DEED FROM THE STATE OF CALIFORNIA, RECORDED IN BOOK 11244, PAGE 1165 OF OFFICIAL RECORDS.

PARCEL B:

PARCEL 3, AS SHOWN ON A MAP FILED IN BOOK 130, PAGE 27 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ALL OIL, OIL RIGHTS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LANDS, RECORDED IN BOOK 4110, PAGE 525 OF OFFICIAL RECORDS.

PARCEL C:

BEGINNING AT THE NORTHEAST CORNER OF LOT 32 OF TRACT NO. 103, AS SHOWN ON A MAP RECORDED IN BOOK 11, PAGES 29, 30, 31, 32 AND 33 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA; RUNNING THENCE NORTH 0° 29' WEST 237.46 FEET; THENCE NORTH 89° 30' WEST 183.46 FEET; THENCE SOUTH 0° 29' EAST 237.46 FEET; THENCE SOUTH 89° 30' EAST 183.46 FEET TO THE POINT OF BEGINNING CONTAINING 1 ACRE, MORE OR LESS.

EXCEPTING THEREFROM ANY PORTION INCLUDED WITHIN THE FOLLOWING:

BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTH LINE OF SECTION 6, TOWNSHIP 8 SOUTH, RANGE 7 WEST, SAN BERNARDINO BASE & MERIDIAN, WITH THE SOUTHEASTERLY LINE OF MISSION TRACT NO. 5, WHICH POINT IS DISTANT SOUTH 89° 30' EAST 279.13 FEET FROM THE SOUTHWEST CORNER OF THE ABOVE MENTIONED SECTION 6; RUNNING THENCE NORTH 39° 57' EAST 9.07 FEET ALONG THE SOUTHEASTERLY LINE OF SAID MISSION TRACT NO. 5; THENCE LEAVING THE EAST LINE OF MISSION TRACT NO. 5 AND RUNNING SOUTH 89° 03' EAST 895.12 FEET TO A LARGE WILLOW TREE ON THE SOUTH LINE OF THE ABOVE MENTIONED SECTION 6; THENCE NORTH 89° 30' WEST 900.85 FEET ALONG THE SOUTH LINE OF SAID SECTION 6, TO THE POINT OF BEGINNING.

Loan Document

we
Recording Requested By
Fidelity National Title

RECORDING REQUESTED BY
AND WHEN RECORDED, MAIL TO:

FARMERS AND MERCHANTS BANK
OF LONG BEACH
2411 E. Coast Hwy, Suite 300
Corona Del Mar, California 92625
Attention: Rick Robinson
Loan No. 90-290-0046-5

Assessor's Parcel Nos.: Portions of 666-131-09 and 666-131-15

25000257-MB

**CONSTRUCTION DEED OF TRUST, ASSIGNMENT OF
RENTS, SECURITY AGREEMENT AND FIXTURE FILING**

This Construction Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing (this "**Deed of Trust**") is made to be effective on the 10th day of January, 2017, by SAN JUAN TIRADOR, LLC, a Delaware limited liability company ("**Trustor**"), whose address is 500 Newport Center Drive, Suite 900, Newport Beach, California 92660, to FARMERS AND MERCHANTS TRUST COMPANY OF LONG BEACH, a California corporation, as Trustee ("**Trustee**"), for the benefit of FARMERS AND MERCHANTS BANK OF LONG BEACH, a California corporation, as Beneficiary ("**Lender**").

THIS DEED OF TRUST ALSO CONSTITUTES A FIXTURE FILING UNDER DIVISION 9 OF THE CALIFORNIA UNIFORM COMMERCIAL CODE AND COVERS GOODS WHICH ARE OR ARE TO BECOME FIXTURES ON THE REAL PROPERTY DESCRIBED ON EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF. TRUSTOR IS A RECORD OWNER OF AN INTEREST IN SAID REAL PROPERTY.

GRANT IN TRUST:

Trustor irrevocably grants, transfers and assigns to Trustee, in trust, for the benefit of Lender, with power of sale, all of Trustor's interest in that certain real property located in the Orange County, California, described as:

**[SEE EXHIBIT "A" ATTACHED HERETO AND
INCORPORATED HEREIN BY THIS REFERENCE]**

TOGETHER WITH: All right, title and interest which Trustor now has or may later acquire in such real property and all appurtenances, easements, covenants, rights of way, tenements, hereditaments and appurtenances thereunto belonging or in any way appertaining thereto now or hereafter, and all of the estate, right, title, interest, claim, demand, reversion or remainder whatsoever of Trustor therein or thereto, at law or in equity, now or hereafter in possession or expectancy, including, without limitation, all mineral, oil, and gas rights and royalties and profits therefrom, all water and water rights and shares of stock pertaining to water and water rights, and all sewers, pipes, conduits, wires and other facilities furnishing utility or services to the real property (collectively, the "**Land**");

2650/030899-0030
10146010

Recorded in Official Records, Orange County
Hugh Nguyen, Clerk-Recorder

102.00

2017000030645 8:00 am 01/24/17

47 NC-5 D11 A36 U08 F15 26
0.00 0.00 0.00 0.00 75.00 0.00 0.00 0.00

TOGETHER WITH: All right, title and interest which Trustor now has or may later acquire in and to all buildings, structures and improvements now or hereafter erected on the Land, including, without limitation, all plant equipment, apparatus, machinery and fixtures of every kind and nature whatsoever now or hereafter located on or forming part of said buildings, structures and improvements (collectively, the **"Improvements"**; the Land and Improvements being hereinafter sometimes collectively referred to as the **"Premises"**);

TOGETHER WITH: All right, title and interest which Trustor now has or may later acquire in and to the land lying in the bed of any street, road, highway or avenue now or hereafter in front of or adjoining the Premises;

TOGETHER WITH: Any and all awards heretofore or hereafter made by any governmental authorities (federal, state, local or otherwise) to Trustor and all subsequent owners of the Premises which may be made with respect to the Premises as a result of the exercise of the right of eminent domain, the alteration of the grade of any street or any other injury to or decrease of value of the Premises, which said award or awards are hereby assigned to Lender;

TOGETHER WITH: Any and all unearned premiums accrued, accruing or to accrue, and the proceeds of insurance now or hereafter in effect with respect to all or any portion of the Premises;

TOGETHER WITH: Any and all claims or demands which Trustor now has or may hereafter acquire against anyone with respect to any damage to all or any portion of the Premises;

TOGETHER WITH: Any and all claims under and proceeds of any insurance policies by reason of or related to a loss of any kind sustained to the Premises, now or hereafter, whether or not such policies name Lender as an insured and whether or not such policies are required by Lender, and whether or not such claims thereunder are characterized as personal claims;

TOGETHER WITH: All goods, equipment, machinery, furniture, furnishings, trade fixtures, appliances, inventory, building materials, apparatus, utensils, vehicles, wiring, pipes, conduits, elevators, escalators, heating and air conditioning equipment, chattels and articles of personal property, including, without limitation, any interest therein now or at any time hereafter affixed to, attached to or used in any way in connection with or to be incorporated at any time into the Premises or placed on any part thereof wheresoever located, whether or not attached to or incorporated in the Premises, together with any and all accessions, accessories, attachments, and replacements thereof, appertaining and adapted to the complete and compatible use, enjoyment, occupancy, operation or improvement of the Premises;

TOGETHER WITH: All instruments, investment property, deposit accounts, accounts, contract rights, general intangibles, and other intangible property and rights now or hereafter relating to the foregoing property, or the operation thereof or used in connection therewith, including, without limitation, all options, letters of intent, and rights of first refusal of any nature whatsoever, covering all or any portion of such property, together with any modifications thereof, and deposits or other payments made in connection therewith, existing and future development rights, permits and approvals, air rights, density bonus rights, and transferable development rights; all of Trustor's right, title, and interest in and to any awards, remunerations, settlements, or

compensation heretofore made or hereafter made by any and all courts, boards, agencies, commissions, offices, or authorities, of any nature whatsoever for any governmental unit (federal, state, local or otherwise) to the present or any subsequent owner of the foregoing property, including those for any vacation of, or change of grade in, any streets affecting the foregoing property and any and all licenses and privileges obtained by Trustor from non-governmental sources;

TOGETHER WITH: All leases of the Premises, Personalty, Fixtures, or any part thereof, now or hereafter entered into and all right, title and interest of Trustor thereunder, including, without limitation, cash or securities deposited thereunder to secure performance by the lessees of their obligations thereunder (whether such cash or securities are to be held until the expiration of the terms of such leases or applied to one or more of the installments of rent coming due immediately prior to the expiration of such terms), all other rights and easements of Trustor now or hereafter existing pertaining to the use and enjoyment of the Premises; and all right, title and interest of Trustor in and to all declarations of covenants, conditions and restrictions as may affect or otherwise relate to the Premises;

TOGETHER WITH: All permits, plans, licenses, specifications, subdivision rights, security interests, contracts, contract rights, public utility deposits, prepaid sewer and water hook-up charges, or other rights as may affect or otherwise relate to the Property (as hereinafter defined);

TOGETHER WITH: All rents, income, issues and profits (subject, however, to the rights given in this Deed of Trust to Lender to collect and apply same), including, without limitation, the accounts, revenues, and proceeds of any business operation conducted by or on behalf of Trustor on or through the use of the Premises, prepaid municipal and utility fees, bonds, revenues, income, and other benefits to which Trustor may now or hereafter be entitled to, or which are derived from, the Property or any portion thereof or interest therein.

The foregoing listing is intended only to be descriptive of the property encumbered hereby, and not exclusive or all inclusive. It is the intent of Trustor to encumber hereby all property located or to be located upon the above-described real property. Said real property (or the leasehold estate if this Deed of Trust encumbers a leasehold estate), buildings, improvements, appurtenances, Fixtures, Personalty, additions, accretions, and other property are herein referred to as the "**Property**." As used herein, the term "**Fixtures**" shall include all articles of personal property hereinabove described, now or hereafter attached to, placed upon for a definite term, or otherwise used in connection with the Property, and shall include trade fixtures and goods which are or are to become fixtures. As used herein, the term "**Personalty**" shall include all furniture, furnishings, equipment, machinery, goods, contract rights, general intangibles, money, deposit accounts, instruments, accounts, leases, chattel paper and other personal property described in this Deed of Trust (other than Fixtures) of any kind or character now existing or hereafter arising or acquired, now or hereafter located upon, within or about the Property, or which otherwise pertains to the use, ownership, management, operation, construction, leasing and sale of the Property, and all products and proceeds thereof, and all of Trustor's right, title, and interest in and to all such property.

Trustor makes the foregoing grant to Trustee, and to Lender, as applicable, to hold the Property in trust for the benefit of Lender and for the purposes and upon the terms and conditions hereinafter set forth.

FOR THE PURPOSE OF SECURING:

- (1) Payment of the sum of Ten Million and No/100 Dollars (\$10,000,000), together with interest thereon and certain additional costs and expenses related to or incurred in connection with or as provided in that certain Promissory Note of even date herewith (the "Note") executed by Trustor, payable to Lender, or order, and all extensions, modifications or renewals thereof (including, without limitation, any extension, modification, or renewal of the Note at a different rate of interest or on different terms),
- (2) Performance of each and every term, covenant and condition of that certain Construction Loan Agreement of even date herewith by and between Trustor and Lender, and all modifications, renewals or extensions thereof (the "Agreement");
- (3) Payment of all other sums, with interest, advanced, paid, or incurred by Lender or Trustee under the terms of this Deed of Trust to protect the Property or Lender's security interest therein;
- (4) Payment of such additional sums, with interest, as the then record owner of the Property may later borrow from Lender, in those instances in which the later obligations are evidenced by a promissory note or notes reciting that it or they are so secured (which additional obligations shall be referred to as "future advances" in this Deed of Trust); and
- (5) Trustor's performance of each agreement in this Deed of Trust. TRUSTOR AND LENDER AGREE AS FOLLOWS:

RIGHTS AND DUTIES OF THE PARTIES

1. **Payment and Performance by Trustor; Title.** Trustor represents and warrants to and for the benefit of Lender and Trustee that Trustor holds good and marketable title of record to the Property in fee simple. Trustor shall promptly: (a) pay when due all sums payable under the Note and all future advances; and (b) perform each and every term, covenant and condition of this Deed of Trust and any other obligation secured by this Deed of Trust.
2. **Payment By Trustor of Taxes and Other Impositions.** The term "**Taxes**" shall mean all taxes, bonds and assessments, both general and special, affecting or levied upon the Property or any part thereof, assessments on water company stock, if any, all taxes or excises levied or assessed against Trustor, the Property, or any part thereof, in addition to or as a. substitution in whole or in part for any real estate taxes or assessments, all taxes or excises measured by or based in whole or in part upon the rents, operating income, or any other factor relating to the Property, or any part thereof, and all license fees, taxes and excises imposed upon Lender (but not any federal or state income taxes imposed upon Lender) and measured by or based in whole or in part upon the obligations secured hereby. The term "**Other Impositions**" shall mean any fine, fee, charge, or other imposition in connection with the Property or Trustor, payment of which Lender shall deem to be necessary, in Lender's sole and absolute opinion and judgment, to protect, preserve,

and defend Lender's interests hereunder. Trustor shall pay all Taxes, insurance premiums, and Other Impositions attributable to the Property, at least ten (10) days before delinquency directly to the payee thereof, or in such other manner as Lender may designate in writing. Trustor shall promptly furnish to Lender all notices of amounts due under this paragraph, and if Trustor shall make payment directly, Trustor shall furnish to Lender receipts evidencing payments of Taxes within ten (10) days after payment thereof and shall promptly deliver to Lender receipts evidencing all other payments above required.

At the request of Lender following the occurrence and continuation of an Event of Default, or otherwise upon written agreement between Trustor and Lender, or as provided by applicable law, Trustor shall pay to Lender, on each day on which monthly installments of principal and/or interest are payable under the Note, until the Note is paid in full, an amount equal to one-twelfth (1/12) of the annual insurance premium on all policies of insurance required by this Deed of Trust, and one-twelfth (1/12) of the sum of annual Taxes and Other Impositions, plus additional amounts reasonably estimated by Lender for the purpose of paying future installments of Taxes, Other Impositions, and insurance premiums. In such event, Trustor further agrees to cause all bills, statements, or other documents relating to Taxes, Other Impositions, and insurance premiums to be sent or mailed directly to Lender. Upon receipt of such bills, statements, or other documents, and provided Trustor has deposited sufficient funds with Lender pursuant to this paragraph 2 and the Agreement, Lender shall pay such amounts as may be due thereunder out of the funds so deposited with Lender for that purpose. If at any time and for any reason the funds deposited with Lender are or will be insufficient to pay such amounts as may then or subsequently be due, Lender shall notify Trustor and Trustor shall immediately deposit an amount equal to such deficiency with Lender. Notwithstanding the foregoing, nothing contained herein shall cause Lender to be deemed a trustee of said funds or to be obligated to pay any amounts in excess of the amount of funds deposited with Lender pursuant to this paragraph 2 and the Agreement. Lender shall not be obligated to pay or allow any interest on any sums held by Lender pending disbursement or application hereunder, and Lender may impound or reserve for future payment of Taxes, Other Impositions, and insurance such portion of such payments as Lender may in its reasonable discretion deem proper, applying the balance on the principal of or interest on the obligations secured hereby. Should Trustor fail to deposit with Lender (exclusive of that portion of said payments which has been applied by Lender on principal of or interest on the indebtedness secured hereby) sums sufficient to fully pay such Taxes, Other Impositions, or insurance premiums, at least ten (10) days before delinquency thereof, Lender may, at Lender's election, but without any obligation so to do, advance any amounts required to make up the deficiency, which advances, if any, shall be secured hereby and shall be repayable to Lender as herein elsewhere provided, or at the option of Lender, the latter may, without making any advance whatsoever, apply any sums held by it upon any obligation of Trustor secured hereby. Shall any Event of Default occur or exist on the part of Trustor in the payment or performance of any of Trustor's and/or any guarantor's obligation in connection with the above Note, Lender may, at Lender's option, apply any sums or amounts in its possession or under its control, received pursuant hereto or as rents or income of the Property or otherwise, upon any indebtedness or obligation of the Trustor secured hereby in such manner and order as Lender may elect. The receipt, use or application of any such sums paid by Trustor to Lender hereunder shall not be construed to affect the maturity of any indebtedness secured by this Deed of Trust or any of the rights or powers of Lender or said Trustee under this Deed of Trust or any other obligation secured hereby.

In the event of the passage, after the date of this Deed of Trust, of any law or judicial decision deducting from the value of the Property for the purposes of taxation any lien thereon, or changing in any way the laws now in force for the taxation of deeds of trust or obligations secured by deeds of trust, or the manner of operation of any such Taxes so as to adversely affect the interest of Lender, or imposing payment of the whole or any portion of any Taxes upon Lender, then and in such event, Trustor shall bear and pay the full amount of such Taxes; provided that if for any reason payment by Trustor of any such new or additional Taxes would be unlawful or if the payment thereof would constitute usury or render the Note, or other indebtedness secured hereby, wholly or partially usurious under any of the terms or provisions of the Note, or this Deed of Trust, or otherwise, Lender may, at its option, (i) upon one hundred twenty (120) days' written notice to Trustor, declare the whole indebtedness secured by this Deed of Trust, together with accrued interest thereon, to be immediately due and payable, or (ii) upon thirty (30) days' written notice to Trustor, pay that amount or portion of such Taxes as renders the Note, or other indebtedness secured hereby, unlawful or usurious, in which event Trustor shall concurrently therewith pay the remaining lawful nonusurious portion or balance of such Taxes.

3. Trustor to Pay Ground Rents and Obligations that Could Result in Liens on the Property. Trustor shall fully and faithfully pay and perform each and every obligation, and otherwise satisfy all conditions and covenants, which are or may be secured by any deed of trust upon the Property, or any portion thereof, existing of record as of the date this Deed of Trust is recorded. Trustor shall pay at or prior to maturity any and all ground rents and any liens, charges and encumbrances that are, later become, claim to be or appear to Lender to be prior or superior to the lien of this Deed of Trust, including, without limiting the generality of the foregoing, any and all claims for (a) work or labor performed, (b) materials and services supplied in connection with any work of demolition, alteration, improvement of or construction upon the Property, and (c) fees, charges and liens for utilities provided to the Property.

4. Trustor to Maintain Insurance.

(a) Trustor shall maintain insurance covering the Property against loss or damage by fire and other risks as shall from time to time be required by Lender in its sole opinion and judgment as necessary to protect the security interest of Lender in the Property. The insurance shall be maintained with such companies, in such amounts, for such terms, and in form and content reasonably satisfactory to Lender. Lender shall be named as the primary loss payee under all of the insurance policies, and Trustor shall assure that Lender receive a certificate from each insurance company that acknowledges Lender's position as loss payee and that states that the insurance policy cannot be terminated as to Lender except upon thirty (30) days' prior written notice to Lender. Such policies of insurance shall include, without limitation, the following: (i) insurance against loss or damage to the Property (including contents) by fire or other risk embraced by coverage of the type known as the broad form or extended coverage (or special extended coverage) in the amount required by Lender, but in no event less than one hundred percent (100%) of the full replacement cost of the Improvements, Fixtures and Personalty included within the Property without deduction for depreciation of any kind or the unpaid balance of the Note, whichever is greater, (i) above in the amount required by Lender, but in any event, such coverage shall insure Lender for loss of gross rental income and other revenues from the Property in excess of twelve (12) months, and (iii) comprehensive public liability insurance against claims for personal injury, death, or property damage occurring on, in, or about the Property, or arising from

or connected with the use, conduct, or operation of Trustor's business in the amount from time to time required by Lender.

(b) If such insurance, together with written evidence of the premium having been paid, are not delivered to Lender at least five (5) days prior to the expiration of such insurance, Lender shall have the right, but without obligation to do so, without notice to or demand upon Trustor and without releasing the Trustor from any obligation under this Deed of Trust, to obtain such insurance or like insurance through or from any insurance agency or company acceptable to it, pay the premium for such insurance, and add the amount of the premium to the loan secured by this Deed of Trust, and this amount shall bear interest at the applicable rate of interest set forth in the Note. Neither the Trustee nor Lender shall be responsible for such insurance or for the collection of any insurance monies, or for any insolvency of any insurer or insurance underwriter.

(c) In the event that the Property is sold to Lender at any trustee's sale under this Deed of Trust (see paragraph 17, below), Trustor hereby assigns to Lender all unearned premiums on all policies of insurance covering the Property and agrees that any and all unexpired insurance covering the Property shall inure to the benefit of and pass to Lender at the time of such Trustee's sale.

5. Insurance Proceeds, Condemnation Proceeds and Other Recoveries.

(a) All settlements, awards, damages and proceeds in excess of Two Hundred Fifty Thousand Dollars (\$250,000) received by Trustor or any other person under any fire, earthquake or other hazard insurance policy, for losses existing as of or occurring after the effective date of this Deed of Trust, or in connection with any condemnation for public use of or injury to the Property (or any part of or interest in the Property) are assigned to Lender and may, at the option of Lender, be applied by Lender as provided in section (c) of this paragraph 5.

(b) All causes of action, whether accrued before or after the date of this Deed of Trust, of any type for any damage or injury to the Property (or any portion of or interest in the Property), or in connection with the sale or other transaction being financed by the funds that are secured by this Deed of Trust, or in connection with or affecting the Property (or any portion of or interest in the Property), including causes of action arising in tort or contract and causes of action in fraud or concealment of a material fact, are assigned to Lender, and the proceeds of any such causes of action, to the extent in excess of Two Hundred Fifty Thousand Dollars (\$250,000) may, at the option of Lender, be applied by Lender as provided in section (c) of this paragraph 5. Lender may, at its option, appear in and prosecute in its own name any action or proceeding to enforce any such cause of action and may make any compromise or settlement of any such action or proceeding. Trustor agrees to execute such further assignments of any settlements, awards, damages and causes of action as Lender from time to time may request.

(c) Settlements, awards, proceeds and damages (collectively, "Awards") received by Lender under the provisions of section (a) and section (b) of this paragraph 5, at the option of Lender, may (i) if a default has occurred hereunder or if Lender determines its security hereunder has been impaired be applied by Lender to the outstanding balance due on the Note, or any other obligation secured by this Deed of Trust, in such order as Lender may determine; (ii) be used by Lender, without reducing the principal balance of the Note or any other obligation secured

by this Deed of Trust, to replace, restore or reconstruct the Property to a condition satisfactory to Lender; or (iii) any such amount may be divided in any manner among any such application, use or release. Awards received by Lender under the provisions of section (a) and section (b) of this paragraph 5 may, at the option of Lender, be released to Trustor to replace, restore or reconstruct the Property to a condition satisfactory to Lender in the event that Lender's security interest has not been impaired thereby in the opinion of Lender, and provided no default under paragraph 14 exists. No such application, use or release of the Award shall cure or waive any default or notice of default under this Deed of Trust or invalidate any act done pursuant to such notice.

6. Maintenance and Preservation of the Property.

(a) Trustor shall, except as contemplated by the Agreement: (i) keep the Property, and every portion thereof, in good condition and repair and replace from time to time, or at any time, any Fixtures, Personalty or other items comprising the Property which may become obsolete or worn out, with Fixtures, Personalty or other items of at least the same utility and quality, each such replacement to be free of any liens or security interests of any kind or character other than the lien of this Deed of Trust, or any other document or instrument securing the indebtedness hereunder; (ii) not remove or demolish the Property, or any part thereof (excluding, without limitation, the Grading Improvements and any demolition in connection with site preparation or construction of the Improvements); (iii) complete or restore promptly and in good and workmanlike manner the Property, or any part thereof, which may be damaged or destroyed; (iv) comply with and not suffer violations of (A) any and all laws, ordinances, rules, regulations, standards and orders, including, without limitation, making any alterations or additions required to be made to, or safety appliances and devices required to be installed or maintained in or about, the Property, or any portion thereof, under any such laws, ordinances, rules, regulations, standards or orders now or hereafter adopted, enacted or made applicable to the Property, or any portion thereof, and payment of any fees, charges or assessments arising out of or in any way related to treatment of the Property, or any portion thereof, as a source of air pollution, traffic, storm water runoff, or other adverse environmental impacts or effects, and (B) any and all covenants, conditions, restrictions, equitable servitudes and easements, whether public or private, of every kind and character, and (C) any and all requirements of insurance companies and any bureau or agency which establishes standards of insurability, which laws, covenants or requirements affect the Property and/or pertain to acts committed or conditions existing thereon, or the use, management, operation or occupancy thereof by Trustor and anyone holding under Trustor, including (but without limitation) such work of alteration, improvement or demolition as such laws, covenants or requirements mandate; (v) not commit or permit waste of the Property, or any portion thereof; (vi) do all other acts which from the character or use of the Property may be reasonably necessary to maintain and preserve its value; (vii) perform all obligations required to be performed in leases or conditional sales or like agreements affecting the Property or the operation, occupation or use thereof (and, if not previously assigned, in the event of default, all right, title and interest of Trustor under any such leases, conditional sales or like agreements shall be automatically assigned to Lender hereunder, together with any deposits made in connection therewith); (viii) make payment of any and all charges, assessments or fees imposed in connection with the delivery, installation or maintenance of any utility services or installations on, to or for the Property, or any portion thereof; (ix) not create any deed of trust, liens or encumbrances upon the Property subsequent hereto, the parties hereby having specifically bargained in contemplation of the fact that any subsequent encumbrance upon the Property would adversely affect Lender's

security interests hereunder; (x) make no further assignment of rents of the Property; and (xi) execute and, where appropriate, acknowledge and deliver such further documents or instruments as Lender or Trustee deem necessary or appropriate to preserve, continue and perfect the security provided for herein, including (but without limitation) assignments of Trustor's interest in leases of the Property.

(b) Except as expressly set forth in the Loan Agreement, no material changes are to be made in any plans and/or specifications as approved by Lender without Lender's prior written consent. All such work shall be performed promptly and in good and workmanlike manner, using first quality materials in conformity with plans and specifications approved in advance by Lender, and shall be diligently prosecuted to completion free of liens and encumbrances, other than this Deed of Trust and any other document or instrument evidencing or securing the indebtedness secured hereby.

(c) Without limiting the generality of this paragraph 6, Trustor hereby warrants, represents and covenants to Lender that Trustor and the Property presently complies with, and will in the future comply fully with, all applicable federal, state and local laws, ordinances, rules and regulations, and all permits and approvals issued thereunder, affecting Trustor's qualification to do business, the construction of any improvements to be located upon the Property, the sale, operation, leasing or financing of the Property and the intended occupancy, use and enjoyment thereof, including, but not limited to, all applicable subdivision laws, licenses and permits, building codes, zoning ordinances, environmental protection laws, flood disaster laws, and all laws pertaining to industrial hygiene and the environmental conditions on, under or about the Property, including, but not limited to, soil and groundwater condition. Trustor further warrants, represents and covenants that Trustor does not presently, and will not in the future, use, store, manufacture, generate, transport to or from, or dispose of any toxic substances, hazardous wastes, radioactive materials, flammable explosives or related material on or in connection with the Property or the business of Trustor on the Property; except as are described in **Exhibit "B"** attached hereto and incorporated herein, and which are used, stored or maintained in full and complete compliance with all such laws ("**Permitted Toxic Materials**"). Trustor further warrants, represents and covenants to Lender that Trustor does not presently, and will not, permit any lessee or other user of the Property to use, store, manufacture, generate, transport to or from, release or dispose of any toxic substances, hazardous materials, hazardous wastes, radioactive materials, flammable explosives or related materials, except Permitted Toxic Materials, on or in connection with the Property or the business of said lessee or other user of the Property. Trustor further warrants, represents and covenants to Lender that as to the Permitted Toxic Materials, Trustor shall obtain and continue to maintain all necessary permits and approvals for the Permitted Toxic Materials, and comply with all laws, ordinances, rules and regulations, and all permits and approvals issued thereunder, pertaining thereto. ("**Toxic substances**," "**hazardous materials**" and "**hazardous wastes**" shall include, but not be limited to, such substances, materials and wastes which are or become regulated under applicable federal, state or local laws, ordinances, rules or regulations pertaining to environmental protection or hazardous substances.) Without the prior written consent of Lender, Trustor shall not seek, make or consent to any change in the zoning, conditions of use, or any other applicable land use permits, approvals or regulations pertaining to the Property, or any portion thereof, which would constitute a violation of the warranties, representations and covenants herein contained, or would otherwise impair the ability of Trustor to complete construction of any improvements now underway or to be constructed, constituting the Property,

or would change the nature of the use or occupancy of the Property to a use other than as contemplated under the Agreement. Within five (5) days of (i) any contact from any federal, state, or local governmental agency concerning any environmental protection laws, including, but not limited to, any notice of any proceeding or inquiry with respect to the presence of any hazardous wastes, toxic substances or hazardous materials on the Property or the migration thereof from or to other property, (ii) any and all claims made or threatened by any third party against or relating to the Property concerning any loss or injury resulting from toxic substances, hazardous wastes, or hazardous materials, or (iii) Trustor's discovery of any occurrence or condition on any property adjoining or in the vicinity of the Property that could cause the Property, or any part thereof, to be subject to any restrictions on the ownership, occupancy, transferability, or loss of the Property under any federal, state, or local laws, ordinances, rules, or regulations, Trustor shall deliver to Lender a report regarding such contact and setting forth in detail and describing any action which Trustor proposes to take with respect thereto, signed by Trustor.

(d) If Trustor has executed any unsecured agreement regarding hazardous materials containing any warranties and/or indemnities by Trustor in favor of Lender pertaining to the presence or release of hazardous and/or toxic materials or other similar substances upon, within or from the Property (hereinafter "**Hazardous Substances Indemnity**"), then the covenants, duties, and liabilities of Trustor, and the rights and remedies of Lender with respect to the subject of hazardous and/or toxic materials, shall be governed by the provisions of the Hazardous Substances Indemnity in addition to the provisions of this Deed of Trust; provided, however, that the provisions of the Hazardous Substances Indemnity shall prevail and exclusively govern the subject matter to the extent of any duplication, conflict or inconsistency between such provisions and the provisions of this Deed of Trust, and payment or performance of Trustor's obligations under said Hazardous Substances Indemnity shall not be secured by this Deed of Trust but shall be and remain unsecured obligations of the Trustor, unless expressly otherwise therein provided.

(e) Trustor shall deliver to Lender such affidavits, reports, certificates or other written instruments as may be reasonably requested by Lender, pertaining to Trustor's compliance with this paragraph 6. Lender may conclusively assume that the statements, facts, information and representations contained herein and/or in any affidavits, orders, receipts or other written instruments that are filed with Lender or exhibited to it, are true and correct. Lender may rely thereon without any investigation or inquiry. By accepting or approving anything required to be observed, performed, fulfilled, or given to Lender pursuant to this paragraph 6, Lender shall not be deemed to have warranted or represented the sufficiency, legality, effectiveness or legal effect of the same, or of any term, provision or condition thereof, or of Trustor's compliance with the terms of this Deed of Trust, and such acceptance or approval thereof shall not be or constitute any warranty or representation to anyone with respect thereto by Lender.

7. Legal Actions and Payment of Related Costs. Trustor shall appear in and defend any action or proceeding that may, in the Lender's judgment, affect the Lender's security interest under this Deed of Trust or any of the rights or powers of Lender or Trustee under this Deed of Trust. Whether or not Trustor so appears or defends, Trustor shall pay all costs and expenses, including, without limitation, cost of evidence of title and reasonable attorneys' fees, that are incurred by Trustor, Lender or Trustee in any such action or proceeding in which Lender or Trustee may appear, by virtue of being made a party defendant or otherwise, and irrespective of whether the interest of Lender or Trustee in the Property is directly questioned by such action or proceeding

or whether Lender's rights or interests are otherwise adversely affected thereby, or whether Lender is or shall become a party, including by way of intervention. Trustor promises and agrees to give Lender notice in writing of the pendency of any such action or proceeding promptly, but in any event no later than fifteen (15) days, after Trustor first obtains knowledge of the pendency of such action or proceeding. Trustor shall cooperate with Lender in any action that is brought by Lender to protect its security interest under this Deed of Trust. Trustor will, upon demand by Lender, commence any action or proceeding required to protect or facilitate Lender's recovery of Awards under paragraph 5 of this Deed of Trust. If Trustor fails to bring any such action or proceeding, then Lender may, but need not, do so, and Trustor shall pay to Lender all costs, expenses and reasonable attorneys' fees that are incurred by Lender in doing so. Whenever, under this Deed of Trust, or any other document or instrument evidencing or securing the indebtedness secured hereby, Trustor is obligated to appear in and defend Lender or defend or prosecute any action or proceeding, Lender shall have the right of full participation in any such action or proceeding, with counsel of Lender's choice, and all costs and expenses incurred by Lender in connection with such participation (including, without limitation, attorneys' fees) shall be reimbursed by Trustor to Lender within ten (10) days of demand. In addition, Lender shall have the right to approve any counsel retained by Trustor in connection with the prosecution or defense of any such action or proceeding by Trustor. All costs or expenses required to be reimbursed by Trustor to Lender hereunder shall, if not paid upon demand by Lender, thereafter bear interest at the applicable rate of interest set forth in the Note. As used herein, "**proceeding**" shall include litigation (whether by way of complaint, answer, cross-complaint, counter claim or third party claim), arbitration and administrative hearings or proceedings, and shall include commencement of any case or the filing of any petition for relief or other action under any Chapter of the U.S. Bankruptcy Code.

8. Lender's Rights to Inspect the Property. Lender and its agents, employees and contractors, may enter upon the Property at any time during regular business hours to inspect the Property for any purpose relating to Lender's rights and interests under the terms of this Deed of Trust, including, but not limited to, Trustor's compliance with the terms of paragraph 6.

9. Substitution of Trustee. From time to time, by an instrument signed and acknowledged by Lender, and recorded in the Office of the Recorder of the County in which the Property is located, Lender may appoint a substitute trustee or trustees in place of the Trustee. Such instrument shall refer to this Deed of Trust and shall set forth the date and instrument number or book and page of its recordation. Upon recordation of such instrument, the Trustee shall be discharged and the new trustee so appointed shall be substituted as Trustee under this Deed of Trust with the same effect as if originally named Trustee in this Deed of Trust. An instrument recorded pursuant to the provisions of this paragraph 9 shall be conclusive proof of the proper substitution of such new Trustee.

10. Miscellaneous Powers of Lender and Trustee. In addition to any other powers granted in this Deed of Trust to the Trustee, from time to time, upon the written request of Lender and upon the presentation of this Deed of Trust and any obligation secured by this Deed of Trust for endorsement, and without affecting any obligation secured by this Deed of Trust or the performance of the obligations set forth in this Deed of Trust, the Trustee may, without liability and without notice to any person: reconvey all or any part of the Property to Trustor, consent to the making of any map or plat of the Property, join in granting any easement on the Property, join in any agreement subordinating the lien of this Deed of Trust, release any obligation secured by

this Deed of Trust, in whole or in part, with regard to any Trustor, extend or renew the Note or any other obligation secured by this Deed of Trust, accept or release any additional security under this Deed of Trust, or accept and release the guaranty of any additional person or any obligation secured by this Deed of Trust.

11. Assignment and Collection of Rents.

(a) Trustor hereby assigns absolutely to Lender the rents of the Property, with a revocable license to collect such rents as they become due and payable, prior to any default by Trustor under paragraph 14 of this Deed of Trust, being retained by Trustor.

(b) Upon any default by Trustor under paragraph 14 of this Deed of Trust, such license will, automatically, be deemed revoked without the necessity for any act or notice by Lender, and Lender, in person, by agent or by judicially appointed receiver, shall be entitled to enter upon, take possession of and manage the Property and may collect the rents of the Property, and, after so taking possession, shall be entitled to collect any rents that are past due. Lender has, however, no duty to produce rents from the Property nor any responsibility for pursuing or collecting claims or rights of Trustor. If Trustor, at or immediately prior to such taking of possession by or on behalf of Lender, has operated a business upon the Property other than the rental thereof, the authority granted herein to so take possession of the Property shall also include the authority and power to take possession of the receipts of such business and, if appropriate, to operate such business, and the receipts thereof shall be deemed herein to be a form of rents. All rents collected by Lender or the receiver shall be applied first to payment of the costs of management of the Property and of collection of rents, including, but not limited to, costs and expenses of any receivership and attorneys' fees incurred by Lender in connection with the receivership, and then to the Note and any other obligations secured by this Deed of Trust. Lender and the receiver shall be liable to account only for those rents actually received.

(c) At any time, whether or not an event of default exists under this Deed of Trust, or any other agreement or obligation secured by this Deed of Trust, Trustor shall, on demand, deliver to Lender from time to time all security deposits made by lessees to Trustor under the terms of any lease of all or part of the Property. These funds shall be held by Lender, without interest payable to Trustor, as a part of and commingled with Lender's general funds. These funds, however, will be repayable to lessees pursuant to the provisions of the leases under which security deposits are made. In the event of any conflict between the provisions of this paragraph 11 and the provisions of a specific separate assignment of rents and/or assignment of lease(s), the provisions of the specific assignment(s) shall be deemed to govern over the provisions of this paragraph.

12. Reconveyance of the Property. Upon the written request of Lender stating that the Note and all other obligations secured by this Deed of Trust have been discharged, and upon surrender of this Deed of Trust, the Note or any other notes or instruments evidencing such other obligations to the Trustee, and upon payment of the Trustee's fees, the Trustee shall reconvey, without warranty, the Property or that portion of the Property then held by the Trustee under this Deed of Trust. The recitals in any such reconveyance of any matters or facts shall be conclusive proof of the truthfulness of such matters or facts. The grantee in such reconveyance may be described as **"the person or persons legally entitled thereto."** When the Property has been fully reconveyed, the last such reconveyance shall operate as a reassignment of all of the rents of the

Property to the person or persons legally entitled to such rents. Five (5) years after issuance of such full reconveyance, the Trustee may destroy this Deed of Trust and any such notes, unless directed in such request to retain them.

NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED IN THIS DEED OF TRUST, TRUSTOR SHALL HAVE THE RIGHT TO REQUEST, AND LENDER SHALL CAUSE THE TRUSTEE TO ISSUE, PARTIAL RECONVEYANCES OF THE LIEN OF THIS DEED OF TRUST, UPON AND SUBJECT TO THE PROVISIONS OF THE AGREEMENT.

13. Change of Lender's Records. In the event Trustor requests Lender to change any of its records relating to the Property, the Note or this Deed of Trust (including, but not limited to, changes in mailing address or ownership of the Property), Trustor shall pay a reasonable fee prescribed by the Lender to so change its records.

ACCELERATION AND DEFAULT

14. Conditions Under Which Lender May Declare a Default by Trustor. A default under this Deed of Trust shall occur in the event that: subject to any applicable cure period provided in Section 5.1 of the Loan Agreement, (a) any sum payable under the Note is not made when due; (b) any sum the payment of which is required or secured by this Deed of Trust is not made when due; (c) Trustor fails to perform any other obligation required to be performed by Trustor under this Deed of Trust or secured by this Deed of Trust; (d) the Property is or becomes subject to any proceedings for abatement of a public nuisance that is not cured within sixty (60) days of written notice thereof; (e) any material information given to Lender by Trustor, intended to or which does, in fact, induce the granting of any loan secured by this Deed of Trust, was not true in any material respect when given, or any material information requested or required by Lender is withheld or concealed from such application by Trustor; or (f) an Event of Default under the Agreement occurs.

15. Lender's Right to Require Immediate Payment in Full. In the event: (a) of a default under this Deed of Trust, or (b) Trustor sells, transfers, grants, hypothecates, conveys, encumbers, alienates, or assigns (voluntarily, involuntarily, or by operation of law), enters into a contract of sale of (other than a sale that contemplates repayment in full of all amounts due under the Note, this Deed of Trust and the other Loan Documents), or leases, the Property, or any portion of the Property or any interest therein not expressly permitted in the Agreement, or any interest in Trustor not expressly permitted in the Agreement, Lender may, at its option and without further notice to any person, declare the entire principal balance and any other obligations under the Note and/or any other obligations secured by this Deed of Trust, together with accrued interest thereon and any prepayment penalties, immediately due and payable. Trustor shall provide to Lender a complete and exact duplicate copy of any contract providing for the transfer of any interest in the Property, or any deed of trust or similar instrument creating a lien or encumbrance on the Property, immediately upon the execution of any such contract, deed of trust, or other instrument. No waiver of the Lender's right to accelerate shall be effective unless it is in writing.

16. Lender's Right to Perform Acts Trustor Fails to Perform and Indemnification.

(a) If Trustor fails to make any payment when due or to do any act required to be made or performed under this Deed of Trust, then Lender or Trustee, without notice to or demand upon Trustor and without releasing Trustor from any obligation under this Deed of Trust, may, but are not required to, make or do the same in such manner and to such extent as either may deem necessary or desirable to protect the security of this Deed of Trust. Lender and Trustee are authorized to (i) enter upon the Property for such purposes; (ii) appear in and defend any action or proceeding purporting to affect the security of this Deed of Trust or the rights or powers of Lender or Trustee; and (iii) pay, purchase, contest or compromise any encumbrance, charge, lien or claim of lien, in whole, in part and/or in installments, which in the judgment of either Lender or Trustee appears to be prior or superior to the lien of this Deed of Trust, the judgment of Lender or Trustee being conclusive of the matter as among the parties to this Deed of Trust. In exercising the above powers, Lender or Trustee may pay necessary costs and expenses, employ counsel, consultants, any other agents or independent contractors, and pay fees, compensation, and costs thereof Trustor promises and agrees to pay immediately upon demand all amounts so expended by Lender or Trustee (including all such costs, expenses and attorneys' fees) under this paragraph 16, together with any fees charged by Lender in regard to such activity by Lender and interest from the date of expenditure at the applicable rate of interest set forth in the Note, with payment of such amounts being secured by this Deed of Trust.

(b) Trustor hereby indemnifies and agrees to hold harmless Lender and Trustee and their directors, officers, shareholders, agents and employees (individually and collectively the "Indemnitees") from and against: (i) any and all claims, demands, actions, liabilities, or causes of action that are asserted against any Indemnitee by any person or entity if the claim, demand, action, liability, or cause of action, directly or indirectly, relates to a claim, demand, action, liability, or cause of action that the person or entity has or asserts based upon, arising out of, or in connection with, the Property, the conduct of Trustor, any action or non-action by Trustor in connection with the Property, or this Deed of Trust; and (ii) any and all claims, liabilities, losses, costs, or expenses (including court costs and attorneys' fees) that any Indemnitee suffers or incurs as a result of the assertion of any such claim, demand, action, liability or cause of action. The foregoing indemnity shall survive the release of this Deed of Trust, whether such release is as a result of payment of the indebtedness secured hereby, foreclosure, acceptance of a deed in lieu of foreclosure, other action, or otherwise.

17. Trustee's Rights And Duties To Sell The Property.

(a) In the event of a default under this Deed of Trust by Trustor, Lender may then or thereafter execute or cause the Trustee to execute a written notice of such default and of its election to have the Property sold to satisfy the obligations secured by this Deed of Trust. Such notice shall be recorded in the office of the Recorder of the County where the Property is located.

(b) When the minimum period of time required by law following recordation of such notice of default has elapsed, and notice of sale having been given as then required by law, the Trustee, without demand upon Trustor, shall sell the Property at the time and place of sale fixed by it in the notice of sale, either as a whole or in separate parcels, and in such order as Lender may determine, at public auction to the highest bidder for cash or a cash equivalent acceptable to

Trustee, in lawful money of the United States, payable at time of sale. Lender shall have the right, at its option, to offset Lender's bid(s) to the extent of the total amount due Lender, including but not limited to all Trustee's fees, costs, expenses (including, without limitation, premiums for guarantees or other evidence of title), and other amounts secured by this Deed of Trust. The Trustee may postpone the sale of all or any portion of the Property by public notice at such time and place of sale, and from time to time thereafter may postpone such sale by public announcement at the time fixed by the preceding postponement. Additionally, Lender, from time to time before any Trustee's sale, may rescind or cause to be rescinded any notice of default and election to sell or notice of sale by executing and delivering to Trustee a written notice of such rescission, which notice, when recorded, shall also constitute a cancellation of any prior declaration of default and demand for sale. The exercise by Lender of such right of rescission shall not constitute a waiver of any breach or default then existing or subsequently occurring, or impair the right of Lender to execute and deliver to Trustee, as above provided, other declarations or notices of default and demand for sale of the Property to satisfy the obligations hereof, nor otherwise affect any provision, covenant or condition of the Note or the Agreement or any of the rights, obligations or remedies of Trustee to Lender.

(c) The Trustee shall deliver to the purchaser at such sale its deed conveying the Property so sold, but without any covenant or warranty, express or implied. The recitals in such deed of any matters or facts shall be conclusive proof of the truthfulness thereof.

(d) Any person, including Trustor, Lender or Trustee may purchase at such sale. After deducting all costs, fees and expenses of the Trustee and of this Deed of Trust, including, without limitation, cost of evidence of title, cost of environmental assessment, and reasonable attorneys' fees in connection with the sale, the Trustee shall apply the proceeds of the sale to the payment of: first, all sums expended under the terms of this Deed of Trust not then repaid, with interest at the applicable rate of interest set forth in the Note; second, the payment of all other sums then secured by this Deed of Trust; and third, the remainder, if any, to the person or persons legally entitled to such proceeds.

18. Other Remedies if Trustor Defaults.

(a) All of the remedies of Lender and Trustee set forth in this Deed of Trust are intended to be in addition to and not in substitution for any other remedies available to Lender or Trustee at law or in equity. It is expressly understood and agreed that Lender or Trustee, or both, may bring suit in any court of competent jurisdiction to foreclose this Deed of Trust by judicial action or to obtain specific performance of the assignment of rents contained in this Deed of Trust. In connection with any such action, Lender or Trustee may apply to the court for the appointment of a receiver to take possession of the Property, operate the business of Trustor being conducted on the Property, utilize and enforce all agreements of Trustor in respect of the operation of such business, the utilization of any such agreement being at the election of Lender or the receiver, to be exercised at any time after declaration of a default hereunder, receive the rents of the Property and apply the same to the obligations of Trustor under this Deed of Trust and under the Note and any other obligations secured by this Deed of Trust.

(b) Neither the acceptance of this Deed of Trust nor its enforcement in any manner shall prejudice the right of Lender or Trustee to realize upon or enforce any other security

now or later held by Lender or Trustee. Trustor promises and agrees that the rights of Lender and Trustee under this Deed of Trust, and with respect to any other security now or later held by Lender, may be enforced in such order and manner as Lender and Trustee, or either of them, may determine in their sole and absolute discretion.

19. Trustor's Obligations and Lender's Rights Not Waived. By accepting payment of any sum secured by this Deed of Trust after its due date, or by accepting late performance of any obligation secured by this Deed of Trust, or by making any payment or performing any act on behalf of Trustor that Trustor was obligated to make or perform under this Deed of Trust but failed to make or perform, or by adding any payment so made by Lender to the Note secured by this Deed of Trust, Lender does not waive its right either to require prompt payment when due of all other sums so secured or to declare default for failure to make any such prompt payment or to perform any such act. No failure or delay on the part of Lender, Trustee, or any holder of the Note or this Deed of Trust in the exercise of any power, right or privilege hereunder shall operate as a waiver thereof. No single or partial exercise of any such power, right or privilege shall preclude other or further exercise thereof or of any other right, power or privilege. No exercise of any right or remedy of Lender or Trustee under this Deed of Trust shall constitute a waiver of any other right or remedy contained in this Deed of Trust or provided by law. All rights and remedies existing under this Deed of Trust are cumulative to, and not exclusive of, any rights or remedies otherwise available.

20. Successors in Interest. The terms, agreements, and conditions contained in this Deed of Trust shall apply to, be binding upon and inure to the benefit of, all of the parties to this Deed of Trust, their heirs, personal representatives, successors and assigns.

21. Statements Concerning the Status of the Loan. From time to time as required by law, Lender shall furnish to Trustor such statements as may be required concerning the status of the obligations secured by this Deed of Trust. Trustor promises and agrees to pay upon demand for such statements the maximum amount permitted by law.

22. Trustee's Obligations. The Trustee accepts this Trust when this Deed of Trust, duly executed and acknowledged, is made a public record as provided by law. The Trustee is not obligated to notify any party to this Deed of Trust of pending sale under any other deed of trust or of any action or proceeding in which Trustor, Lender or Trustee is a party unless such action is brought by the Trustee. The Trustee shall not be obligated to perform any act required of it under this Deed of Trust unless the performance of such act is requested in writing and the Trustee is reasonably indemnified against loss, costs, liability and expense.

23. Obligations Of Trustor Are Joint And Several; Gender And Number. If more than one person has executed this Deed of Trust as "**Trustor**," the obligations of all such persons under this Deed of Trust shall be joint and several. In this Deed of Trust, whenever the context so requires, the masculine gender includes the feminine and/or neuter, and the singular number includes the plural.

24. No Offsets. No offset or claims which Trustor now or in the future may have against Lender shall relieve Trustor from making payments or performing any other obligations contained in or secured by this Deed of Trust. Despite any right or option that may be granted to

Lender or Trustee by this Deed of Trust or in the evidence of any obligations secured by this Deed of Trust or document ancillary to this Deed of Trust to receive, collect, accept deposit of, use, apply or in any other manner obtain or dispose of any funds or property, the same shall not be deemed to constitute any credit against or to satisfy any obligation secured by this Deed of Trust, in whole or in part, unless and until such funds or property shall be both so obtained and expressly so applied by Lender or Trustee to such satisfaction of such obligation and then only in the manner and to the extent of such application.

25. Governing Law. The loan secured by this Deed of Trust is made pursuant to the laws of the State of California, and the rules and regulations promulgated thereunder. The loan contracts between the parties, including this Deed of Trust, shall be construed and governed by such laws, rules, and regulations.

26. Agreement Changed Only by Writing. This Deed of Trust cannot be changed except by agreement in writing signed by Trustor and Lender.

27. Time. Time is of the essence in connection with all of Trustor's obligations under this Deed of Trust.

28. Notice. Except for any notice required under applicable law to be given in another manner:

(a) any notice to Trustor provided for in this Deed of Trust shall be addressed to Trustor at the address of Trustor set forth above, or to such other address as Trustor may designate by notice to Lender pursuant to the terms of paragraph 28(c), and

(b) any notice to Lender provided for in this Deed of Trust shall be addressed to Lender as follows:

FARMERS AND MERCHANTS BANK
OF LONG BEACH
2411 E. Coast Hwy, Suite 300
Corona Del Mar, California 92625
Attention: Rick Robinson
Loan No. 90-290-0046-5

With a Copy to:

Rutan & Tucker, LLP
611 Anton Boulevard, Fourteenth Floor
Costa Mesa, California 92626-1931
Attention: Bob L. Hagle, Esq.

and to such other address as Lender may designate by notice to Trustor, pursuant to the terms of paragraph 28(c).

(c) Except as otherwise provided by law, all notices, requests, demands, directions, and other communications provided for in this Deed of Trust must be in writing and

sent by facsimile and mail or certified mail to the appropriate party at its respective address. Any notice given by facsimile must be confirmed within forty-eight (48) hours by letter mailed via regular mail to the appropriate party at its respective address. If any notice is given by certified mail, it will be effective when deposited in the mails with first class or airmail postage prepaid; or if given by facsimile and mail, when the facsimile is sent.

29. Titles, Captions, and Headings. The titles, captions, and headings to paragraphs contained in this Deed of Trust are for assistance in identification only and are not to be considered part of the substance of the provisions of this Deed of Trust.

30. Severability of Provisions. If any paragraph, clause or provision of this Deed of Trust is construed or interpreted by a court of competent jurisdiction to be void, invalid or unenforceable, such decision shall affect only those paragraphs, clauses or provisions so construed or interpreted and shall not affect the remaining paragraphs, clauses and provisions of this Deed of Trust.

31. Acknowledgment of Trustor's Understanding of Deed of Trust. The foregoing terms, provisions and conditions of this Deed of Trust have been read and are understood by Trustor. Trustor hereby acknowledges receipt of a copy of this Deed of Trust.

32. Lender's Reliance. The financial accommodations made or to be made by Lender to Trustor are being made, renewed or extended, as applicable, by Lender to Trustor at the request and urging of Trustor and this Deed of Trust is being given in consideration of such financial accommodations, and Lender may rely upon the validity and enforceability of this Deed of Trust in making such financial accommodations.

33. Security Agreement.

(a) Security Interest. This Deed of Trust shall also constitute and serve as a security agreement and financing statement for Personalty, Fixtures, and any of the Property in which a security interest can be perfected under and within the meaning of Division 9 of the California Uniform Commercial Code, and shall grant to Lender, until the obligations secured hereby shall be satisfied, a first priority security interest, including but not limited to a fixture filing, pursuant to Division 9 of the California Uniform Commercial Code with respect to the Personalty and Fixtures. To this end, Trustor shall and hereby does grant to Lender, a first priority security interest in, under and to the Personalty, Fixtures, and any of the Property in which a security interest can be perfected under Division 9 of the California Uniform Commercial Code.

(b) Financing Statements. Trustor authorizes Lender to file such financing statements and cause such financing statements and other assurances as Lender may from time to time require to be recorded and filed at such times and places as may be required or permitted by law to create, perfect and preserve such security interest.

(c) Remedies on Default. Upon default, Lender may, at its option: (i) exercise any remedy permitted by law or in equity, including without limitation, all the rights and remedies of a secured party under the California Uniform Commercial Code in any jurisdiction where enforcement is sought, whether in California or elsewhere; (ii) notify any parties obligated on any of the Personalty or Fixtures to make payment to Lender and enforce collection thereof; (iii) apply

any sums received or collected from or on account of any Personalty or Fixtures, including the proceeds of any sales thereof, to the payment of any indebtedness of Trustor to Lender in any order, including the costs and expenses incurred in preserving and enforcing the rights of Lender and attorneys' fees, in such order and manner as Lender in Lender's sole discretion determines. All of Lender's rights and remedies shall be cumulative and not exclusive.

(d) **Fixture Filing.** This Deed of Trust shall constitute a fixture filing under the California Uniform Commercial Code. Lender's address from which information concerning Lender's security interest can be obtained is set forth in paragraph 28 above, subject to change as therein provided.

34. **Sale of Interest.** Trustor acknowledges and accepts that Lender may, at any time, in Lender's sole discretion sell all or any portion of Lender's interest in the Note and this Deed of Trust to one or more third parties. The sale of all or any part of Lender's interest in the Note or Deed of Trust shall not relieve Trustor of any of Trustor's obligations hereunder.

35. **[Intentionally omitted.]**

36. **Books and Records.** Trustor shall keep and maintain at all times at Trustor's address stated above, or at such other place as Lender may approve in writing from time to time, complete and accurate books or accounts and records adequate to reflect correctly the results of the operation of the Property and copies of all written contracts, leases, rental agreements, concessions, licenses, and other documents and instruments which affect the Property, or any portion thereof or interest therein. Such books, records, contracts, leases, documents, and other instruments shall be subject to examination and inspection by Lender, or Lender's agents or designated auditors, at any reasonable time and from time to time.

37. **Inspection, Appraisal, and Assessments.** Lender may, at any time and from time to time and as and when Lender deems it to be appropriate, whether or not Trustor is then in default, (a) enter upon the Premises during regular business hours, directly or through one or more agents or independent contractors, to inspect any and all Property which is security for the obligations herein described, and (b) cause to be performed and prepared one or more appraisals and/or preliminary or other environmental assessments of the Property, or any portion thereof, in form and content satisfactory to Lender and meeting all requirements or standards of applicable laws, regulations, ordinances, orders, and generally recognized industry standards relating thereto. All costs and expenses incurred by Lender or Trustee in connection with any such inspection, appraisal, or assessment, shall be payable by Trustor upon demand and shall be secured by this Deed of Trust.

All reports and other evidence and work papers relating to such inspections, appraisals, and assessments, shall be and remain the sole property of Lender; provided, however, that Trustor shall be provided with a copy of each report of such inspection, appraisal or assessment so long as (i) Trustor has paid for such reports, (ii) such reports are not otherwise privileged or attorney work product or otherwise protected from disclosure, and (iii) Trustor shall have executed any and all agreements as requested by Lender in connection therewith. Any appraisal or assessment may, at Lender's sole election, be relied upon by Lender in taking any action Lender deems to be necessary or appropriate in connection with the enforcement of its rights and exercise of remedies under or

by virtue of this Deed of Trust, or under any obligation secured hereby, or under any separate obligation pertaining to the Property, or in connection with the protection, maintenance, preservation, remediation, restoration, or repair of the Property. Unless Lender otherwise expressly declares in writing, neither said appraisal nor assessment shall constitute conclusive evidence of the value or condition of the Property or as a representation or warranty by Lender as to the value or condition of the Property, and may not be used or relied upon by Trustor for any purpose.

38. Definitions. All terms not defined herein shall be defined as set forth in the Agreement.

39. Waiver of Right to Trial by Jury; Judicial Reference in the Event of Jury Trial Waiver Unenforceability. EACH PARTY TO THIS DEED OF TRUST HEREBY EXPRESSLY WAIVES ANY RIGHT TO TRIAL BY JURY OF ANY CLAIM, DEMAND, ACTION OR CAUSE OF ACTION (1) ARISING UNDER THIS DEED OF TRUST OR ANY OTHER INSTRUMENT, DOCUMENT OR AGREEMENT EXECUTED OR DELIVERED IN CONNECTION THEREWITH, OR (2) IN ANY WAY CONNECTED WITH OR RELATED OR INCIDENTAL TO THE DEALINGS OF THE PARTIES HERETO OR ANY OF THEM WITH RESPECT TO THIS DEED OF TRUST OR ANY OTHER INSTRUMENT, DOCUMENT OR AGREEMENT EXECUTED OR DELIVERED IN CONNECTION HERewith, OR THE TRANSACTIONS RELATED HERETO OR THERETO, IN EACH CASE WHETHER NOW EXISTING OR HEREAFTER ARISING, AND WHETHER SOUNDING IN CONTRACT OR TORT OR OTHERWISE; AND EACH PARTY HEREBY AGREES AND CONSENTS THAT ANY SUCH CLAIM, DEMAND, ACTION OR CAUSE OF ACTION SHALL BE DECIDED BY COURT TRIAL WITHOUT A JURY. NOTWITHSTANDING THE FOREGOING TO THE CONTRARY, IN THE EVENT THAT THE JURY TRIAL WAIVER CONTAINED HEREIN SHALL BE HELD OR DEEMED TO BE UNENFORCEABLE, EACH PARTY HERETO HEREBY EXPRESSLY AGREES TO SUBMIT TO JUDICIAL REFERENCE ANY CLAIM, DEMAND, ACTION OR CAUSE OF ACTION ARISING HEREUNDER FOR WHICH A JURY TRIAL WOULD OTHERWISE BE APPLICABLE OR AVAILABLE. PURSUANT TO SUCH JUDICIAL REFERENCE, THE PARTIES AGREE TO THE APPOINTMENT OF A SINGLE REFEREE AND SHALL USE THEIR BEST EFFORTS TO AGREE ON THE SELECTION OF A REFEREE. IF THE PARTIES ARE UNABLE TO AGREE ON A SINGLE REFEREE, A REFEREE SHALL BE APPOINTED BY THE COURT TO HEAR ANY DISPUTES HEREUNDER IN LIEU OF ANY SUCH JURY TRIAL. EACH PARTY ACKNOWLEDGES AND AGREES THAT THE APPOINTED REFEREE SHALL HAVE THE POWER TO DECIDE ALL ISSUES IN THE APPLICABLE ACTION OR PROCEEDING, WHETHER OF FACT OR LAW, AND SHALL REPORT A STATEMENT OF DECISION THEREON; PROVIDED, HOWEVER, THAT ANY MATTERS WHICH WOULD NOT OTHERWISE BE THE SUBJECT OF A JURY TRIAL WILL BE UNAFFECTED BY THIS WAIVER AND THE AGREEMENTS CONTAINED HEREIN. THE PARTIES HERETO HEREBY AGREE THAT THE PROVISIONS CONTAINED HEREIN HAVE BEEN FAIRLY NEGOTIATED ON AN ARM'S-LENGTH BASIS, WITH BOTH SIDES AGREEING TO THE SAME KNOWINGLY AND BEING AFFORDED THE OPPORTUNITY TO HAVE THEIR RESPECTIVE LEGAL COUNSEL CONSENT TO THE MATTERS CONTAINED HEREIN. ANY PARTY TO THIS DEED OF TRUST MAY FILE AN ORIGINAL COUNTERPART OR A COPY OF THIS SECTION WITH ANY COURT AS WRITTEN EVIDENCE OF THE CONSENT OF THE PARTIES HERETO TO THE WAIVER OF THEIR RIGHT TO TRIAL BY JURY AND THE

AGREEMENTS CONTAINED HEREIN REGARDING THE APPLICATION OF JUDICIAL REFERENCE IN THE EVENT OF THE INVALIDITY OF SUCH JURY TRIAL WAIVER.

Trustor has initialed this Section 39 to further indicate Trustor's awareness and acceptance of each and every provision hereof.



Trustor's Initials

[SIGNATURES ON FOLLOWING PAGE]

THE UNDERSIGNED TRUSTOR REQUESTS THAT A COPY OF ANY NOTICE OF DEFAULT AND ANY NOTICE OF SALE HEREUNDER BE MAILED TO TRUSTOR AT TRUSTOR'S ADDRESS SET FORTH ABOVE.

TRUSTOR:

SAN JUAN TIRADOR, LLC,
a Delaware limited liability company

By: JH Real Estate Operating Partners, LLC,
a Delaware limited liability company,
its Sole Member

By: [Signature]
Name: Gary C. Otto
Title: Chief Financial Officer

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Orange)

On 1-12-17, before me, Kelly J Acosta,
(Insert name and title of the officer)

Notary Public, personally appeared Gary C. Otto,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Kelly J Acosta

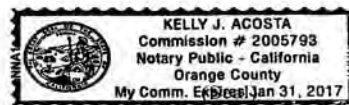


EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

IN THE CITY OF SAN JUAN CAPISTRANO, COUNTY OF ORANGE, STATE OF CALIFORNIA, BEING THOSE PORTIONS OF LOT 31 OF TRACT NO. 103, FILED IN BOOK 11, PAGES 29 THROUGH 35, INCLUSIVE OF MAPS, AND PARCEL 3 OF PARCEL MAP FILED IN BOOK 130, PAGE 27 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWESTERLY CORNER OF SAID PARCEL 3 ALSO BEING A POINT OF THE EASTERLY LINE OF THAT CERTAIN PARCEL OF LAND DESCRIBED IN THE DIRECTOR'S DEED RECORDED IN BOOK 3441, PAGE 234, AS INSTRUMENT NO. D-2510 OF OFFICIAL RECORDS; THENCE SAID EASTERLY LINE THE FOLLOWING THREE (3) COURSES:

1. SOUTH 6° 50' 13" WEST 12.19 FEET TO A CURVE CONCAVE WESTERLY HAVING A RADIUS OF 5630.00 FEET;

2. SOUTHERLY 323.58 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 3° 17' 35" TO A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2750.00 FEET, A RADIAL LINE TO THE BEGINNING OF SAID CURVE BEARS SOUTH 79° 36' 40" EAST AND

3. SOUTHERLY 40.51 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 0° 50' 39" TO THE TRUE POINT OF BEGINNING;

THENCE LEAVING SAID EASTERLY LINE SOUTH 81° 31' 00" EAST 192.92 FEET; THENCE NORTH 62° 31' 10" EAST 151.22 FEET; THENCE NORTH 8° 29' 00" EAST 276.43 FEET; THENCE NORTH 1° 39' 47" EAST 48.17 FEET TO THE SOUTHERLY BOUNDARY OF SAID PARCEL 3; THENCE ALONG SAID BOUNDARY NORTH 88° 20' 13" WEST 310.50 FEET TO SAID EASTERLY LINE OF INSTRUMENT NO. D-2510; THENCE ALONG SAID EASTERLY BOUNDARY THE FOLLOWING THREE (3) COURSES:

1. SOUTH 6° 50' 13" WEST 12.19 FEET TO A CURVE CONCAVE WESTERLY HAVING A RADIUS OF 5630.00 FEET;

2. SOUTHERLY 323.58 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 3° 17' 35" TO A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2750.00 FEET, A RADIAL LINE TO THE BEGINNING OF SAID CURVE BEARS SOUTH 79° 36' 40" EAST; AND

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Exhibit "A"

3. SOUTHERLY 73.09 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 1° 31' 22" TO THE TRUE POINT OF BEGINNING.

SAID LAND IS SHOWN AS PARCEL 2 OF LOT LINE ADJUSTMENT LLA 14-003 RECORDED DECEMBER 21, 2016 AS INSTRUMENT NO. 2016000649365 OF OFFICIAL RECORDS.

EXCEPT FROM THAT PORTION OF SAID LAND DESCRIBED IN THE DEED RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS, ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LAND OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LAND, AS RESERVED IN DEED FROM CARL L. STROSCHIN AND OTHERS, RECORDED FEBRUARY 15, 1955, IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL MINERALS, OILS, GASES AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, NOT OTHERWISE RESERVED, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, WITHOUT, HOWEVER, THE RIGHT TO DRILL, DIG OR MINE THROUGH THE SURFACE OR THE UPPER 500 FEET THEREOF, AS RESERVED IN THE DEED FROM THE STATE OF CALIFORNIA, RECORDED IN BOOK 11244, PAGE 1165 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL OIL, OIL RIGHTS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR,

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DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LANDS, RECORDED IN BOOK 4110, PAGE 525 OF OFFICIAL RECORDS.

APN(S):PORTIONS OF 666-131-09; 666-131-15

EXHIBIT "B"

PERMITTED TOXIC MATERIALS

Trustor shall not permit there to be any hazardous and/or toxic materials at, on, in, around and/or under the Property and improvements, other than those as used in the regular course of business (including any construction work performed at the Property) and for which Trustor or the applicable contractor or subcontractor has licenses from the proper authority, such as a government agency or regulatory body, and further, notwithstanding the foregoing, Trustor hereby expressly covenants, represents and warrants to Lender that all such materials shall be used or stored in strict compliance with the provisions as set forth in paragraph 6(c) of the Deed of Trust for compliance with all state and federal laws, rules, regulations, relating to or governing the use, storage and/or presence of toxic materials and/or hazardous substances.

Notwithstanding any provisions to the contrary contained in this **Exhibit "B"** and paragraph 6(c) of the Deed of Trust, in the event Trustor has executed any unsecured Hazardous Substances Indemnity Agreement ("**Hazardous Substances Indemnity**") in favor of Lender pertaining to the presence or release of hazardous and/or toxic materials or other similar substances upon, within or from the Property, then the covenants, duties and liabilities of Trustor, and the rights and remedies of Lender with respect to the subject of hazardous and/or toxic materials, shall be governed by the provisions of the Hazardous Substances Indemnity in addition to the provisions of the Deed of Trust; provided, however, that the provisions of said Hazardous Substances Indemnity shall prevail and exclusively govern the subject matter to the extent of any duplication, conflict or inconsistency between such provisions and the provisions of this Deed of Trust, and payment or performance of Trustor's obligations under said Hazardous Substances Indemnity shall not be secured by this Deed of Trust, but shall be and remain unsecured obligations of the Trustor.

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Exhibit "B"

Foreclosure Document

RECORDING REQUESTED BY
FIRST AMERICAN TITLE INSURANCE COMPANY

AND WHEN RECORDED MAIL TO
FIRST AMERICAN TITLE INSURANCE COMPANY
3 FIRST AMERICAN WAY NDTs DIVISION
SANTA ANA, CA 92707

Trustee Sale No. 10-25565
Loan No. LB/CENTRA TIRADOR
Title Order No. NCS-432448-LA2-44
Sales Line: (714) 573-1965

Recorded in Official Records, Orange County

Tom Daly, Clerk-Recorder



27.00

2010000322923 08:00am 07/08/10

93 401 N34 7

0.08 0.00 0.00 0.00 19.00 0.00 0.00 0.00

Recording Requested By: DPS
On Behalf Of

Space above this line for recorder's use only

"DPS"

NOTICE OF TRUSTEE'S SALE

YOU ARE IN DEFAULT UNDER A DEED OF TRUST DATED 12-01-2006. UNLESS YOU TAKE ACTION TO PROTECT YOUR PROPERTY, IT MAY BE SOLD AT A PUBLIC SALE. IF YOU NEED AN EXPLANATION OF THE NATURE OF THE PROCEEDINGS AGAINST YOU, YOU SHOULD CONTACT A LAWYER.

On 07-30-2010 at 10:00 AM, FIRST AMERICAN TITLE INSURANCE COMPANY as the duly appointed Trustee under and pursuant to a Construction Deed of Trust and Fixture Filing, Assignment of Leases and Rents and Security Agreement Recorded 12-01-2006, Instrument 2006000808894 of official records in the Office of the Recorder of ORANGE County, California, executed by: LB/CENTRA TIRADOR, LLC, A DELAWARE LIMITED LIABILITY COMPANY, as Trustor, LEHMAN ALI INC., A DELAWARE CORPORATION, as original Beneficiary, will sell at public auction sale to the highest bidder for cash, cashier's check drawn by a state or national bank, a cashier's check drawn by a state or federal credit union, or a cashier's check drawn by a state or federal savings and loan association, savings association, or savings bank specified in section 5102 of the Financial Code and authorized to do business in this state. Sale will be held by the duly appointed trustee as shown below, of all right, title, and interest conveyed to and now held by the trustee in the hereinafter described property under and pursuant to the Deed of Trust. The sale will be made, but without covenant or warranty, expressed or implied, regarding title, possession, or encumbrances, to pay the remaining principal sum of the note(s) secured by the Deed of Trust, interest thereon, estimated fees, charges and expenses of the Trustee for the total amount (at the time of the initial publication of the Notice of Sale) reasonably estimated to be set forth below. The amount may be greater on the day of sale.

Place of Sale:

IN THE FRONT OF THE FLAGPOLES AT THE MAIN ENTRY AREA TO THE PLACENTIA CIVIC CENTER, 401-411 E. CHAPMAN AVE., PLACENTIA, CALIFORNIA

Legal Description:

PARCEL A:

THAT PORTION OF LOT 31 OF TRACT NO. 103, AS PER MAP RECORDED IN BOOK 11, PAGES 29 TO 33 INCLUSIVE OF MISCELLANEOUS MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, BOUNDED GENERALLY NORTHWESTERLY BY THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTHWESTERLY LINE OF SAID LOT WITH THAT CERTAIN COURSE HAVING A BEARING AND DISTANCE OF SOUTH 24° 40' 42" WEST 176.77

FEET, AS DESCRIBED IN DEED 41616 TO THE STATE OF CALIFORNIA, RECORDED IN BOOK 8033, PAGE 776 OF OFFICIAL RECORDS IN SAID OFFICE; THENCE ALONG THE NORTHERLY PROLONGATION OF SAID COURSE, NORTH 24° 40' 42" EAST 29.80 FEET; THENCE NORTH 46° 16' 10" EAST 96.51 FEET; THENCE NORTH 40° 50' 28" WEST 73.04 FEET TO THE INTERSECTION THEREOF WITH A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 5630.00 FEET; THENCE NORTHERLY ALONG SAID CURVE FROM A TANGENT WHICH BEARS NORTH 22° 34' 55" EAST, THROUGH AN ANGLE OF 8° 55' 42", AN ARC DISTANCE OF 877.32 FEET; THENCE TANGENT TO SAID CURVE, NORTH 13° 39' 13" EAST 166.46 FEET TO A TANGENT CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 2750.00 FEET; THENCE NORTHERLY ALONG SAID LAST MENTIONED CURVE, THROUGH AN ANGLE OF 3° 15' 22", AN ARC DISTANCE OF 156.28 FEET TO THE INTERSECTION THEREOF WITH THE NORTHERLY LINE OF SAID LOT.

TOGETHER WITH THAT PORTION OF PASCO TIRADOR STREET WHICH WAS VACATED BY RESOLUTION NO. 08-10-07-01 RECORDED OCTOBER 17, 2008 AS INSTRUMENT NO. 2008000480474 OF OFFICIAL RECORDS.

EXCEPT THAT PORTION THEREOF CONVEYED BY THE STATE OF CALIFORNIA BY DIRECTOR'S DEED D-2510 RECORDED IN BOOK 3441, PAGE 235 OF OFFICIAL RECORDS IN SAID OFFICE.

ALSO EXCEPT FROM THAT PORTION OF SAID LAND DESCRIBED IN THE DEED RECORDED FEBRUARY 15, 1955 IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS, ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFORE, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LAND OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREIN ABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LAND, AS RESERVED IN DEED FROM CARL L. STROSCHEIN AND OTHERS, RECORDED FEBRUARY 15, 1955 IN BOOK 2959, PAGE 307 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL MINERALS, OILS, GASES AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, NOT OTHERWISE RESERVED, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, WITHOUT, HOWEVER, THE RIGHT TO DRILL, DIG OR MINE THROUGH THE SURFACE OR THE UPPER 500 FEET THEREOF, AS RESERVED IN THE DEED FROM THE STATE OF CALIFORNIA, RECORDED IN BOOK 11244, PAGE 1165 OF OFFICIAL RECORDS.

PARCEL B:
PARCEL 3, AS SHOWN ON A MAP FILED IN BOOK 130, PAGE 27 OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

TOGETHER WITH THAT PORTION OF PASCO TIRADOR STREET WHICH WAS VACATED BY RESOLUTION NO. 08-10-07-01 RECORDED OCTOBER 17, 2008 AS INSTRUMENT NO. 2008000480474 OF OFFICIAL RECORDS.

EXCEPT ALL OIL, OIL RIGHTS, MINERAL RIGHTS, NATURAL GAS, NATURAL GAS RIGHTS, AND

OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREIN-ABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFORE, AND REMOVING THE SAME FROM SAID LAND OR ANY OTHER LAND, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS OTHER THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OR MINES, WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE AND OPERATE THROUGH THE SURFACE OR THE UPPER 100 FEET OF THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, OR OTHERWISE IN SUCH MANNER AS TO ENDANGER THE SAFETY OF ANY HIGHWAY THAT MAY BE CONSTRUCTED ON SAID LANDS, RECORDED IN BOOK 4110, PAGE 524 OF OFFICIAL RECORDS.

PARCEL C:
BEGINNING AT THE NORTHEAST CORNER OF LOT 32 OF TRACT NO. 103, AS SHOWN ON A MAP RECORDED IN BOOK 11, PAGES 29, 30, 31, 32 AND 33 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA; RUNNING THENCE NORTH 0° 29' WEST 237.46 FEET; THENCE NORTH 89° 30' WEST 183.46 FEET; THENCE SOUTH 0° 29' EAST 237.46 FEET; THENCE SOUTH 89° 30' EAST 183.46 FEET TO THE POINT OF BEGINNING CONTAINING 1 ACRE, MORE OR LESS.

EXCEPTING THEREFROM ANY PORTION INCLUDED WITHIN THE FOLLOWING: BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTH LINE OF SECTION 6, TOWNSHIP 8 SOUTH, RANGE 7 WEST, S. B. B. & M., WITH THE SOUTHEASTERLY LINE OF MISSION TRACT NO. 5, WHICH POINT IS DISTANT SOUTH 89° 30' EAST 279.13 FEET FROM THE SOUTHWEST CORNER OF THE ABOVE MENTIONED SECTION 6; RUNNING THENCE NORTH 39° 57' EAST 9.07 FEET ALONG THE SOUTHEASTERLY LINE OF SAID MISSION TRACT NO. 5; THENCE LEAVING THE EAST LINE OF MISSION TRACT NO. 5 AND RUNNING SOUTH 89° 03' EAST 895.12 FEET TO A LARGE WILLOW TREE ON THE SOUTH LINE OF THE ABOVE MENTIONED SECTION 6; THENCE NORTH 89° 30' WEST 900.85 FEET ALONG THE SOUTH LINE OF SAID SECTION 6, TO THE POINT OF BEGINNING.

TOGETHER WITH THAT PORTION OF PASCO TIRADOR STREET WHICH WAS VACATED BY RESOLUTION NO. 08-10-07-01 RECORDED OCTOBER 17, 2008 AS INSTRUMENT NO. 2008000480474 OF OFFICIAL RECORDS.

PARCEL D:
A NON-EXCLUSIVE EASEMENT FOR THE PURPOSE OF VEHICULAR AND PEDESTRIAN ACCESS, AND INGRESS AND EGRESS AS DESCRIBED IN THE DOCUMENT ENTITLED "ACCESS EASEMENT AGREEMENT" RECORDED ON MARCH 3, 2009 AS INSTRUMENT NO. 2009000099648 OF OFFICIAL RECORDS.

Amount of unpaid balance and other charges: \$22,738,307.86 (estimated)

Street address and other common designation of the real property purported as:

VACANT LAND:

DIRECTIONS MAY BE OBTAINED BY WRITTEN REQUEST SUBMITTED TO THE UNDERSIGNED WITHIN TEN DAYS FROM THE FIRST PUBLICATION OF THIS NOTICE.

LEHMAN ALI, INC., A DELAWARE CORPORATION
C/O GIBSON, DUNN & CRUTCHER LLP
333 SOUTH GRAND AVENUE

LOS ANGELES, CA 90071
ATTN: DAVID S. EGDAL

APN Number: 666-131-09 and 666-131-14 and 666-131-15 and 666-131-16 and 666-131-07

Notice is further given pursuant to Section 9604 of the California Commercial Code, and by reason of default under that certain Security Agreement dated 12-01-2006 and filed 12-01-2006 as Instrument Number 2006000808894 and any amendments or modifications to either of them, that the Trustee will sell simultaneously with the above described real property covered by the Deed of Trust, at the same public auction and under a single bid, certain personal property covered by the Security Agreement dated 12-01-2006, given by the trustor to Beneficiary as Secured Party. The personal property to be sold is described as follows (it being understood that any capitalized terms used in the following paragraph have the meanings assigned to them in the Security Instrument):

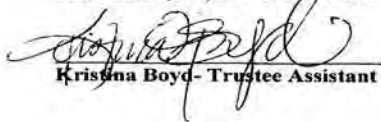
All goods, building and other materials, supplies, inventory, work in process, equipment, machinery, fixtures, furniture, furnishings, signs and other personal property and embedded software included therein and supporting information, wherever situated, which are or are to be incorporated into, used in connection with, or appropriated for use on (i) the real property described on Exhibit A attached hereto and incorporated by reference herein (to the extent the same are not effectively made a part of the real property pursuant to Section 1.1 above) or (ii) the Improvements (which real property and Improvements are collectively referred to herein as the Subject Property); together with all rents (to the extent, if any, they are not subject to Article 3); all inventory, accounts, cash receipts (including without limitation, the Deposits (as defined in the Loan Agreement)), deposit accounts, accounts receivable, contract rights, licenses, agreements (including without limitation, the Purchase and Sale Agreements), general intangibles, payment intangibles, software, chattel paper (whether electronic or tangible), instruments, documents, promissory notes, drafts, letters of credit, letter of credit rights, supporting obligations, insurance policies, insurance and condemnation awards and proceeds, any other rights to the payment of money, trade names, trademarks and service marks arising from or related to the ownership, management, leasing, operation, sale or disposition of the Subject Property or any business now or hereafter conducted thereon by Grantor; all development rights and credits, permits, consents, approvals, licenses, authorizations and other rights granted by, given by or obtained from, any governmental entity with respect to the Subject Property; all water and water related rights; all deposits or other security now or hereafter made with or given to utility companies by Grantor with respect to the Subject Property; all advance payments of insurance premiums made by Grantor with respect to the Subject Property; all plans, drawings and specifications relating to the Subject Property; all loan funds held by Beneficiary, whether or not disbursed; all funds deposited with Beneficiary pursuant to any loan agreement; all reserves, deferred payments, deposits, security deposits, letters of credit, bonds, and other deposit substitutes, credit enhancements, other like items accounts, refunds, cost savings and payments of any kind related to the Subject Property or any portion thereof; together with all replacements and proceeds of, and additions and accessions to, any of the foregoing; together with all books, records and files relating to any of the foregoing.

As for all of the above described personal property which is or which hereafter becomes a "fixture" under applicable law, this Security Instrument constitutes a fixture filing under the California Uniform Commercial Code, as amended or recodified from time to time (the "UCC"), and is acknowledged and agreed to be a "construction mortgage" under the UCC.

The undersigned Trustee disclaims any liability for any incorrectness of the street address and other common designation, if any, shown herein. The property heretofore described is being sold "as is, where is", without covenant or warranty, express or implied, regarding title, possession, encumbrances, condition, suitability for a particular purpose, or the location or existence of any personal property, to satisfy the indebtedness secured by said Deed of Trust and Security Agreement, and any advances thereunder. This notice is given in compliance with a written request made to the Trustee by the Beneficiary.

DATE: 07-01-2010

FIRST AMERICAN TITLE INSURANCE COMPANY
Sales Line: (714) 573-1965 Trustee: (714) 250-3572



Kristina Boyd- Trustee Assistant

FIRST AMERICAN TITLE INSURANCE COMPANY
IS A DEBT COLLECTOR ATTEMPTING TO
COLLECT A DEBT. ANY INFORMATION OBTAINED
WILL BE USED FOR THAT PURPOSE.

NOTICE OF TRUSTEE'S SALE DECLARATION

Pursuant to California Civil Code Section 2923.52(b), 2923.53, 2923.54

T.S. Number: 10-25565

Loan Number: LB/CENTRA TIRADOR

Borrower: LB/CENTRA TIRADOR, LLC, A DELAWARE LIMITED LIABILITY COMPANY

Regarding the property that is the subject of this notice of sale, the undersigned Lender/Servicer as defined in Civil Code Section 2923.53(k)(3) declares:

_____ It has obtained from the Commissioner a final or temporary order of exemption pursuant to Civil Code Section 2923.53 and that the exemption is current and valid on the date this notice of sale is recorded. The time frame for giving a notice of sale specified in Civil Code Section 2923.52 subdivision (a) does not apply to this notice of sale pursuant to Civil Code Sections 2923.52 or 2923.55.


X It has not obtained from the Commissioner a final or temporary order of exemption pursuant to Civil Code Section 2923.53 that is current and valid on the date this notice of sale is recorded. The time frame for giving a notice of sale specified in Civil Code Section 2923.52 subdivision (a) does not apply to this notice of sale pursuant to Civil Code Sections 2923.52 or 2923.55.

_____ It has not obtained from the Commissioner a final or temporary order of exemption pursuant to Civil Code Section 2923.53 that is current and valid on the date this notice of sale is recorded. The time frame for giving a notice of sale specified in Civil Code Section 2923.52 subdivision (a) does apply to this notice of sale.

[SIGNATURE PAGE FOLLOWS]



LEHMAN ALI INC.,
a Delaware corporation

By: 
Name: Jeffrey Pitts
Title: Authorized Signatory

Signature page to Notice of Trustee's Sale Declaration (Tirador)

LANDFILL SITE RESPONSIBILITIES

(Routine site sampling, monitoring, and maintenance)

North Region		
Site	Station #	City
La Veta	#2	Orange
Canal Street (a.k.a. Newkirk)	#4	Anaheim
Irvine Park	#5, #6	Unincorporated, near Orange
Cerro Villa	#7	Orange
Stanton (Cypress)	#8	Stanton
La Habra	#11	La Habra
Yorba	#12	Orange
Longsdon Pit	#15	Garden Grove
Sparkes Pit	#18	Anaheim
Reeve Pit	#19	Orange
Villa Park	#22	Orange
Olinda Alpha	#20, #23	Unincorporated, near Brea

Central Region		
Sites	Station #	City
Newport Avenue	#1	Costa Mesa
Silverado	#9	Unincorporated, in Silverado Canyon
Gothard	#10	Huntington Beach
Goldenwest	#14	Huntington Beach
Cannery Street (a.k.a. Edison, Stump Dump)	#16	Huntington Beach
Santiago Canyon	#25	Unincorporated, near Orange
Frank R. Bowerman	#27	Unincorporated, near Irvine

South Region		
Sites	Station #	City
Coyote Canyon	#24	Newport Beach
Del Obispo	#3	Dana Point
San Joaquin	#13	Irvine
Forster Canyon	#17	San Juan Capistrano
Lane Road	#21	Irvine
Prima Deshecha	#26	Unincorporated, San Juan Capistrano,



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH
<http://ochealthinfo.com/eh>

MAILING ADDRESS:
1241 E. DYER ROAD STE. 120
SANTA ANA, CA 92702
TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

REQUEST FOR ENVIRONMENTAL HEALTH RECORDS

The undersigned hereby requests a copy of the records prepared and maintained by the Health Care Agency in the ordinary course of business, at or near the time of the act, condition, or event which they depict.

The records requested are maintained under the Public Records Act Government Code § 6250 – 6276.48. Some information held in the documents may be exempt from release pursuant to the Public Records Act.

The undersigned understands that the Health Care Agency will charge \$0.15 per page copied. In the case of a request for a large number of copies, the Health Care Agency may provide the requestor an estimate of copy costs prior to making said copies. If any request is to be canceled, this office must be notified at the above number within ten (10) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

In order to assist you, please describe the reason for your request:

Phase 1 ESA

Please list addresses here (no more than 10 addresses per request):

27122 Paseo Tirador, San Juan Capistrano

also APNs: 666-131-07; -09; -13; -14; -15; -16

Check here if you would like a review only or to review before copies are made

☐



SIGNATURE of Requester

Dion Monge (Stantec)

PRINT Name of Requester (and Company Name - if applicable)

25864 Business Center Dr. Suite F

PRINT Street Address

Redlands, CA 92374

PRINT City, State and Zip Code

909.556.6516

Area Code and Phone Number

5-3-17

Date

**RECORDS THAT HAVE NOT BEEN PICKED UP WITHIN 60 DAYS OF
NOTIFICATION WILL BE DESTROYED**



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

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SANTA ANA, CA 92702
TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

HAZARDOUS WASTE / OTHER PROGRAM INFORMATION CHECKLIST

Please check only the records you need. This will enable us to search only the actual files that pertain to your request, cutting down time spent on searching for records that you may not want.

Site Specific Information

- ☒ Above Ground Petroleum Storage Tank File
- ☒ California Accidental Release Prevention Program File
- ☒ Certified Unified Program Agency (CUPA) records
- ☐ *Hazardous Materials Business Plan File, Chemical Disclosure, Electronic Submittal
- ☒ Complaints regarding Hazardous Waste or Underground Storage Tank Facility
- ☒ Hazardous Waste Generator Facility File
- ☒ Hazardous Waste Industrial Cleanup Site File
- ☐ Hazardous Waste Spill Response Log (Emergency Incidents Log)
- ☒ Leaking Underground Storage Tank Cleanup Site File
- ☐ Medical Waste Facility Record
- ☐ Proposition 65 Notification
- ☐ Recycling Program
- ☐ Solid Waste Facility File (large files – need to be specific)
- ☒ Spill Prevention, Control and Countermeasure (SPCC) File
- ☐ Tiered Permit Facility File
- ☒ Underground Storage Tank File
- ☒ Water Quality Information

Available on Environmental Health Website

<http://ochealthinfo.com/eh/home/reports>

Aboveground Petroleum Storage Tank Listing
Hazardous Waste Facilities Listing
Industrial Cleanup Program Cases by City
Local Oversight Program (LOP) Lead Cases
Underground Tank Facilities Listing

*If requiring the Hazardous Materials Business Plan File, Chemical Disclosure, and Electronic Submittal for the following cities, please contact them directly: **Costa Mesa, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, La Habra, Newport Beach and Orange.**



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH

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In order to assist you, please describe the reason for your request:

Phase I ESA

Please list addresses here (no more than 10 addresses per request):

No address

San Juan Capistrano Landfill - 300' North of San Juan Creek
Waste Discharge System ID: 9 300005NUR

Check here if you would like a review only or to review before copies are made




SIGNATURE of Requester

Dion Monge Stunter
PRINT Name of Requester (and Company Name - if applicable)

25864-F Business Center Dr

PRINT Street Address

Redlands, CA 92374

PRINT City, State and Zip Code

909 556-6516
Area Code and Phone Number

5-8-2017
Date

**RECORDS THAT HAVE NOT BEEN PICKED UP WITHIN 60 DAYS OF
NOTIFICATION WILL BE DESTROYED**



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 E. DYER ROAD STE. 120
SANTA ANA, CA 92702
TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

HAZARDOUS WASTE / OTHER PROGRAM INFORMATION CHECKLIST

Please check only the records you need. This will enable us to search only the actual files that pertain to your request, cutting down time spent on searching for records that you may not want.

Site Specific Information	
<input type="checkbox"/>	Above Ground Petroleum Storage Tank File
<input type="checkbox"/>	California Accidental Release Prevention Program File
<input checked="" type="checkbox"/>	Certified Unified Program Agency (CUPA) records
<input type="checkbox"/>	*Hazardous Materials Business Plan File, Chemical Disclosure, Electronic Submittal
<input type="checkbox"/>	Complaints regarding Hazardous Waste or Underground Storage Tank Facility
<input checked="" type="checkbox"/>	Hazardous Waste Generator Facility File
<input checked="" type="checkbox"/>	Hazardous Waste Industrial Cleanup Site File
<input type="checkbox"/>	Hazardous Waste Spill Response Log (Emergency Incidents Log)
<input checked="" type="checkbox"/>	Leaking Underground Storage Tank Cleanup Site File
<input type="checkbox"/>	Medical Waste Facility Record
<input type="checkbox"/>	Proposition 65 Notification
<input type="checkbox"/>	Recycling Program
<input checked="" type="checkbox"/>	Solid Waste Facility File (large files – need to be specific)
<input checked="" type="checkbox"/>	Spill Prevention, Control and Countermeasure (SPCC) File
<input checked="" type="checkbox"/>	Tiered Permit Facility File
<input checked="" type="checkbox"/>	Underground Storage Tank File
<input checked="" type="checkbox"/>	Water Quality Information

Waste Discharge System
ID: 930005NUR

Available on Environmental Health Website
Aboveground Petroleum Storage Tank Listing
Hazardous Waste Facilities Listing
Industrial Cleanup Program Cases by City
Local Oversight Program (LOP) Lead Cases
Underground Tank Facilities Listing

*If requiring the Hazardous Materials Business Plan File, Chemical Disclosure, and Electronic Submittal for the following cities, please contact them directly: **Costa Mesa, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, La Habra, Newport Beach and Orange.**



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH
<http://ochealthinfo.com/eh>

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SANTA ANA, CA 92702

TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

**REQUEST FOR ENVIRONMENTAL HEALTH RECORDS
INSTRUCTION SHEET**

1. Complete the "Request for Environmental Health Records" form

- ☐ Please **Print** all information on request
- ☐ Describe the reason the records are being requested so that our staff may be able narrow your search.
- ☐ If you require site-specific information, give the exact address of the
- ☐ If you are asking for information on multiple sites (for example, all sites on a street) you must give an address for each location (for example, 1001, 1003, 1009, etc.).
- ☐ Note that we cannot enter a "range" of addresses as search

2. Complete the appropriate "Information Checklist" form

- ☐ Check only the desired records associated with the site you have
- ☐ Remember that you will be charged for each page of copied records, so be sure specify which records you want.
- ☐ Please note that lists of information can be very lengthy and therefore costly. You ask about the length of the list before completing the request form to ensure a list is what you desire.

3. Return the completed forms to the Custodian of Records Representative at 1241 E. Dyer Road, Ste. 120, Santa Ana, CA 92705.

- ☐ Blank Records Request forms can be downloaded from the Records page on Environmental Health website at <http://ochealthinfo.com/eh/home/records>.
- ☐ Please note that you can ask for an appointment to review multiple

4. Most requests take approximately ten (10) days to process. However, if your request requires more processing time, we will notify you of the extension and the estimated date.

5. Upon completion of the search, we will notify you by phone or by mail. You may return to the Environmental Health office to pick up the requested records, or arrange to have them mailed to your address.

6. RECORDS THAT HAVE NOT BEEN PICKED UP WITHIN 60 DAYS OF NOTIFICATION WILL BE DESTROYED.



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH
<http://ochealthinfo.com/eh>

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In order to assist you, please describe the reason for your request:

Phase 1 Environmental Site Assessment

Please list addresses here (no more than 10 addresses per request):

San Juan Capistrano - No addresses, only APNs(listed below)

APNs: 666-131-07, -09, -13, -14, -15, -16

Check here if you would like a review only or to review before copies are made

SIGNATURE of Requester

Dion Monge – Stantec Consulting Services, Inc

PRINT Name of Requester (and Company Name - if applicable)

25864 Business Center Dr, Suite F

PRINT Street Address

Redlands, CA 92374

PRINT City, State and Zip Code

909-556-6516

Area Code and Phone Number

May 1, 2016

Date

**RECORDS THAT HAVE NOT BEEN PICKED UP WITHIN 60 DAYS OF
NOTIFICATION WILL BE DESTROYED**



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH
<http://ochealthinfo.com/eh>

MAILING ADDRESS:
1241 E. DYER ROAD STE. 120
SANTA ANA, CA 92702

TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

HAZARDOUS WASTE / OTHER PROGRAM INFORMATION CHECKLIST

Please check only the records you need. This will enable us to search only the actual files that pertain to your request, cutting down time spent on searching for records that you may not want.

Site Specific Information

- X Above Ground Petroleum Storage Tank
- X California Accidental Release Prevention Program
- X Certified Unified Program Agency (CUPA)
Hazardous Materials Business Plan File, Chemical Disclosure, Electronic Submittal
- X Complaints regarding Hazardous Waste or Underground Storage Tank
- X Hazardous Waste Generator Facility
- X Hazardous Waste Industrial Cleanup Site
Hazardous Waste Spill Response Log (Emergency Incidents Log)
- X Leaking Underground Storage Tank Cleanup Site
Medical Waste Facility Record
Proposition 65 Notification
Recycling Program
Solid Waste Facility File (large files – need to be specific)
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Tiered Permit Facility File
- X Underground Storage Tank
- X Water Quality Information

Available on Environmental Health Website <http://ochealthinfo.com/eh/home/reports>

Aboveground Petroleum Storage Tank Listing
Hazardous Waste Facilities Listing
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Local Oversight Program (LOP) Lead Cases
Underground Tank Facilities Listing

If requiring the Hazardous Materials Business Plan File, Chemical Disclosure, and Electronic Submittal for the following cities, please contact them directly: **Costa Mesa, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, La Habra, Newport Beach and Orange.**

**PHASE II ENVIRONMENTAL SITE
ASSESSMENT**

SWC of Calle Arroyo and Paseo
Tirador San Juan Capistrano,
California 92675
Stantec Project No: 185803925



Prepared for:
Watt Communities, LLC
2716 Ocean Park Boulevard,
Suite 2025
Santa Monica, California 90405

Prepared by:
Stantec Consulting Services Inc.
25864-F Business Center Drive
Redlands, California

Project No.: 185803925

June 29, 2017

Sign-off Sheet

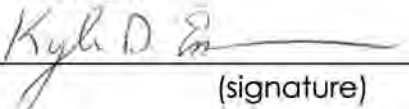
This PHASE II ENVIRONMENTAL SITE ASSESSMENT was prepared by Stantec Consulting Services Inc. on behalf of Watt Communities, LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Prepared by 
(signature)

Dion Monge, Associate Scientist

Reviewed by 
(signature)

Josh Sargent, Staff Geologist

Approved by 
(signature)

Kyle Emerson, Managing Principal Geologist, C.E.G. 1271



Stantec
ATTORNEY/CLIENT PRIVILEGED

Table of Contents

EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	1.1
1.1 PROPERTY DESCRIPTION AND OPERATIONS	1.1
1.2 PROPERTY GEOLOGY AND HYDROGEOLOGY.....	1.1
2.0 BACKGROUND INFORMATION	2.1
3.0 FIELD INVESTIGATION PROGRAM.....	3.1
3.1 PRE-ASSESSMENT ACTIVITIES.....	3.1
3.2 FIELD INVESTIGATION	3.1
3.3 SAMPLING PROCEDURES	3.2
3.3.1 Direct Push Soil Sampling.....	3.2
3.3.2 Hand Auger Soil Sampling.....	3.3
3.3.3 Soil Vapor Sampling	3.3
3.4 BORING ABANDONMENT PROCEDURES	3.4
3.5 DECONTAMINATION PROCEDURES	3.4
4.0 LABORATORY TESTING PROGRAM	4.1
5.0 INVESTIGATION RESULTS	5.1
5.1 FIELD OBSERVATIONS.....	5.1
5.2 SOIL ANALYTICAL RESULTS.....	5.1
5.3 SOIL VAPOR ANALYTICAL RESULTS.....	5.3
6.0 CONCLUSIONS AND RECOMMENDATIONS.....	6.1
7.0 LIMITATIONS	7.1
8.0 REFERENCES.....	8.1

LIST OF TABLES

Table 1 - Summary of Soil Analytical Results - TPH & VOCs
Table 2 - Summary of Soil Analytical Results - Metals & Pesticides

LIST OF FIGURES

Figure 1 – Property Location Map
Figure 2 – Property Map

LIST OF APPENDICES

Appendix A – Laboratory Data Sheets and QA/QC Results
Appendix B – Boring Logs

Executive Summary

The subject property consists of approximately 17.6 acres of land located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano (the "Property"). The Property is undeveloped except for an approximately 300 square foot structure containing a water well. Paseo Tirador extends into the northeast portion of the Property and is a paved road that has been closed off to automobile traffic. Today, Paseo Tirador serves as an entry point to a paved bike/pedestrian trail which extends from the cul-de-sac of Paseo Tirador in a southwest direction through the Property, as shown on Figure 2.

The majority of the Property is proposed for redevelopment for residential purposes. However, southern portions of the Property, which consist of the adjoining San Juan Creek embankment, water well house, and inactive water well, will remain and are not being redeveloped other than what is required for roadway and belowground utility improvements. Surrounding properties are a mix of commercial offices, an equestrian center, Interstate 5 (I-5), and vacant land.

A review of historic aerial photographs indicates that portions of the Property were used for agricultural purposes from at least the late 1930s until the late 1960s with the longest and most consistent agricultural uses occurring on the northeastern third of the Property. Historical documents also indicate that a drainage ran through the northeast portion of the Property, terminating in the adjoining San Juan Creek, since at least the late 1930s. The drainage still runs below the Property in this area but within an engineered belowground culvert. A review of historical building department records indicate that undocumented fill was brought to the Property in the mid-1990s, stockpiled, and graded along the southern Property boundary adjacent to San Juan Creek as part of a "stream restoration project". It is unclear where the fill was imported from, or whether the fill was assessed for the presence of hazardous substances prior to being imported.

A review of agency databases identified a listing by the name of "San Juan Capistrano Landfill". Very little information is provided in the EDR regarding this landfill listing. The location is listed as being 300 feet north of San Juan Creek with no reference point listed for an east-west location along the creek. As a result, Stantec contacted Orange County Waste and Recycling (i.e., O.C. Landfills) and the Regional Water Quality Control Board (RWQCB), San Diego Region, Land Disposal Unit, in order to obtain more information on this apparent landfill. On May 12, 2017, Mr. Joshua Munn of the RWQCB Land Disposal Unit issued electronic correspondence (via email) confirming that, based on the information provided by Stantec and on a review of RWQCB and O.C. Landfills records, it does not appear that a landfill is or ever has been located at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Forester Canyon Landfill. Therefore, Stantec recommends no further investigation regarding this issue.

Based on Stantec's review of previous reports and completion of the Phase I Environmental Site Assessment (ESA), Stantec identified the following Recognized Environmental Conditions (RECs) associated with the Property:

- **Historical Agricultural Use.** The historical use of the Property for cultivation of agricultural crops is a REC due to the possibility of pesticide and/or metals-based herbicide residues in shallow soils at levels above regulatory thresholds or human health risk criteria for residential use. Stantec recommended performing soil sampling for pesticides, lead, and arsenic throughout the Property where agricultural activities were performed below the depth of the placed fill in the native soils.
- **Undocumented Fill (with the addition of methane sampling).** The presence of undocumented fill in the southern portion of the Property was identified as an REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. A previous geotechnical report performed for the Property also indicates that artificial fill was found elsewhere on the Property. Stantec recommended that composite soil samples be collected to evaluate the fill for potential soil impacts.

Additionally, Stantec recommended that soil vapor samples be collected from this imported fill for volatile organic compounds (VOCs). As a conservative measure with regard to the "San Juan Capistrano Landfill" listing, Stantec also recommended that soil vapor be evaluated for methane with a field instrument from the same vapor probes that are recommended for the VOC vapor assessment within the stockpiled fill to confirm that unknown landfilling practices were not being performed onsite within the undocumented stockpile or at an unknown offsite location in the area that could present a potential methane issue.

- **Stress-Absorbing Fabrics in Asphalt.** The Property consists of Paseo Tirador, a paved street. A stress absorbing fabric marketed as Petromat® is sometimes used in asphalt paving operations. The tack coating often associated with this material sometimes contains asbestos. Stantec recommends inspecting the asphalt for the presence of Petromat and if observed, sampling the Petromat for the presence of asbestos.

Stantec recommended, in the Phase I ESA, that a Phase II ESA be conducted to assess the identified RECs. Stantec completed the field work for the recommended Phase II ESA on June 9 and June 12, 2017. The Phase II ESA included collection of soil samples across the Property and from within the stockpiled fill and at the contact between the fill and the underlying native soil. The scope of work also included the collection of soil vapor samples from the stockpiled fill for analysis of VOCs and using a field meter to screen soil

PHASE II ENVIRONMENTAL SITE ASSESSMENT

vapor for methane. Soil samples were collected from 18 borings (SB-01 through SB-18). Stantec concludes that this scope of work was sufficient for evaluating the issues identified by the Phase I Environmental Site Assessment.

Soil encountered during the investigation generally consisted of gravelly silt sand in the upper ten to twelve feet across the Site. This material is understood to be undocumented fill material. A zone of dark brown clay was observed beneath the fill material, followed by a poorly-graded sand. No hydrocarbon staining or odors were observed in any of the borings advanced during this assessment.

The Results of the Phase II ESA

The completed Phase II ESA addressed historical agricultural use, undocumented fill located in the southern portion of the Property, and the undocumented fill spread across the northern portion of the Property. The results of this investigation are summarized below.

- **Historical Agricultural Use.** Cumulative concentrations of DDT compounds and cumulative concentration of Chlordane (*i.e.*, chlordane, alpha-chlordane, gamma-chlordane) were detected in sample SB-13-9 at 0.4131 mg/kg and 0.0226 mg/kg, respectively. The residential regulatory thresholds for cumulative DDT compounds are 1.6 mg/kg, and the California hazardous waste level is set at 1.0 mg/kg. The detected concentrations are below both of these levels. Additionally, the cumulative chlordane regulatory threshold in a residential use scenario is 0.43 mg/kg, which is higher than the chlordane detected at the Property. All of the detected pesticide concentrations were below the most conservative of applicable regulatory residential thresholds. Therefore, the detected pesticides are well below regulatory thresholds for residential use and hazardous waste disposal criteria. Based on these results, Stantec concludes that the former agricultural use of the Property does not represent a REC to the Property, and recommends no further investigation regarding this issue.
- **Undocumented Fill.** It appears that the fill located in the southern portion of the Site is impacted with low levels of total petroleum hydrocarbons (TPH) in the diesel range (TPH-DRO), and oil range (TPH-ORO). Two samples collected from the fill reported TPH-DRO at 100 and 140 mg/kg. These concentrations are slightly above the residential use screening levels of 96 mg/kg. These exceedances, however, appear to be an anomaly – and are not indicative of a site-wide presence of petroleum hydrocarbons at levels above regulatory thresholds for residential use. In fact, the bulk of the data indicates that petroleum hydrocarbon concentrations in soil do not represent a human health risk in light of the contemplated residential use of the Property.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

No TPH in the gasoline range (TPH-GRO), or volatile organic compounds (VOCs), or pesticides were detected in soil samples collected from the fill. All detected metals concentrations are below current regulatory screening levels for residential land use and within expected background concentrations. Due to the heterogeneity of the stockpile, no source area for the TPH-DRO impact was identified.

Various VOCs were reported in soil vapor samples collected within the stockpile at low levels. However, all detected VOCs in soil vapor are below current residential use screening levels. No methane was detected in soil vapor within the stockpile (i.e., the results were "non-detect").

Low levels of TPH-DRO, TPH-ORO, and pesticides, and a single toluene detection were reported in the fill materials spread over the northern portion of the Site. All concentrations of these compounds are below current screening levels for residential land use. Additionally, all detected metals concentrations are below current residential use screening levels and within expected background concentrations.

- **Stress-Absorbing Fabrics.** No stress absorbing fabrics were observed in the asphalt. Therefore, no samples were collected for analysis of asbestos. Stantec recommends no further investigation regarding this issue.

Conclusions and Recommendations

No specific source area was identified for the TPH-DRO and TPH-ORO impact within the fill located in the southern portion of the Site. Although TPH-DRO was identified in two locations at levels exceeding regulatory thresholds for residential use, the detection appears to be an anomaly – and not indicative of a site-wide issue. Stantec concludes that the presence of the fill is considered a *de minimis* condition, given generally low concentrations detected at the Property, and does not represent a REC. Trace amounts of VOCs were detected in the soil vapor phase within the fill, however no source of the vapor impact was identified in soil.

Stantec concludes that there are no Recognized Environmental Conditions associated with the Property and recommends no further investigation regarding the environmental condition of the Property.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Should there be any questions regarding the information provided within the accompanying report, please do not hesitate to contact the undersigned at (909) 335-6116.

Respectfully submitted,

STANTEC CONSULTING SERVICES INC.



Dion Monge
Associate Scientist



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Managing Principal Geologist

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

1.0 INTRODUCTION

This report documents the methodology and results of the Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) for the Property located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano (Figure 1).

The completed work was conducted based on the scope of work set forth in Stantec's *Proposal to Conduct Phase II Site Assessment* dated May 15, 2017. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the site description and a summary of past operations.

1.1 PROPERTY DESCRIPTION AND OPERATIONS

The subject property consists of approximately 17.6 acres of land located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano (the "Property"). The Property is undeveloped except for an approximately 300 square foot structure containing a water well. Paseo Tirador extends into the northeast portion of the Property and is a paved road that has been closed off to automobile traffic. Today, Paseo Tirador serves as an entry point to a paved bike/pedestrian trail which extends from the cul-de-sac of Paseo Tirador in a southwest direction through the Property, as shown on Figure 2.

Information regarding the history of the Property is provided in Section 2.0.

1.2 PROPERTY GEOLOGY AND HYDROGEOLOGY

The Property is located in the City of San Juan Capistrano, California which is within the Peninsular Ranges Geomorphic Province. This geomorphic province includes northwest-southeast trending features that have been developed by the San Andreas Fault system (California Geological Survey [CGS], 2002). Based on a Geotechnical report prepared Construction Testing and Engineering (CTE) in 2007, surface soil at the Property is Quaternary artificial fill consisting of clayey fine sand with cobbles (CTE, 2007). The depth of the fill was shown to be approximately 4 feet bgs but is expected to be much deeper in the area of the undocumented fill that is located along the southern portion of the Property adjacent to San Juan Creek. The stratigraphy underlying the vicinity of the Property reportedly consists of Holocene-Pleistocene Age alluvium, lake, playa, and terrace deposits. Native soil below the onsite fill was classified in a separate geotechnical report prepared from the adjoining vacant corner property to the northwest, as consisting of sandy clay to approximately 20 feet with interbedded sand, sandy clay, and silty sand to the maximum explored depth of 51.1 feet bgs.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

The closest mapped recently active fault is the Temecula Section of the Lake Elsinore Fault located approximately 20 miles northeast (CGS, 2010). According to official maps of California, the Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary or a liquefaction zone (CDMG, 2000).

The Property is located within the San Juan Valley Groundwater Basin (9-01). The basin is bound to the west by the Pacific Ocean and by tertiary semi-permeable marine deposits. The water bearing unit within the basin is Quaternary alluvium that includes heterogeneous mixtures of sand, silt, and gravel in the vicinity of the Property. Thickness of the water-bearing alluvium ranges from 65 feet to more than 125 feet in some instances. San Juan Creek, which is adjacent to the Property, is one of three primary sources of recharge for the basin.

According to information available through Geotracker, depth to groundwater to the west of the Property is approximately 20 feet below ground surface (bgs) and flows in a southerly direction. However, groundwater may be shallower at the Property due to its proximity to the adjacent San Juan Creek and has historically been recorded in the Property vicinity as being as high as 5 feet bgs.

June 29, 2017

2.0 BACKGROUND INFORMATION

The subject property consists of approximately 17.6 acres of land located southwest of the intersection of Calle Arroyo and Paseo Tirador in the City of San Juan Capistrano (the "Property"). The Property is undeveloped except for an approximately 300 square foot structure containing a water well. Paseo Tirador extends into the northeast portion of the Property and is a paved road that has been closed off to automobile traffic. Today, Paseo Tirador serves as an entry point to a paved bike/pedestrian trail which extends from the cul-de-sac of Paseo Tirador in a southwest direction through the Property, as shown on Figure 2.

The majority of the Property is proposed for redevelopment for residential purposes. However, southern portions of the Property, which consist of the adjoining San Juan Creek embankment, water well house, and inactive water well, will remain and are not being redeveloped other than what is required for roadway and belowground utility improvements. Surrounding properties are a mix of commercial offices, an equestrian center, Interstate 5 (I-5), and vacant land.

A review of historic aerial photographs indicates that portions of the Property were used for agricultural purposes from at least the late 1930s until the late 1960s with the longest and most consistent agricultural uses occurring on the northeastern third of the Property. Historical documents also indicate that a drainage ran through the northeast portion of the Property, terminating in the adjoining San Juan Creek, since at least the late 1930s. The drainage still runs below the Property in this area but within an engineered belowground culvert. A review of historical building department records indicate that undocumented fill was brought to the Property in the mid-1990s, stockpiled, and graded along the southern Property boundary adjacent to San Juan Creek as part of a "stream restoration project". It is unclear where the fill was imported from, or whether the fill was assessed for the presence of hazardous substances prior to being imported.

A review of agency databases identified a listing by the name of "San Juan Capistrano Landfill". Very little information is provided in the EDR regarding this landfill listing. The location is listed as being 300 feet north of San Juan Creek with no reference point listed for an east-west location along the creek. As a result, Stantec contacted Orange County Waste and Recycling (i.e., O.C. Landfills) and the Regional Water Quality Control Board (RWQCB), San Diego Region, Land Disposal Unit, in order to obtain more information on this apparent landfill. On May 12, 2017, Mr. Joshua Munn of the RWQCB Land Disposal Unit issued electronic correspondence (via email) confirming that, based on the information provided by Stantec and on a review of RWQCB and O.C. Landfills records, it does not appear that a landfill is or ever has been located at the Property. The closest mapped landfill is located more than 1,200 feet south of the Property and is known as Forester Canyon Landfill. Therefore, Stantec recommends no further investigation regarding this issue.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

Based on Stantec's review of previous reports and completion of the Phase I Environmental Site Assessment (ESA), Stantec identified the following Recognized Environmental Conditions (RECs) associated with the Property:

- **Historical Agricultural Use.** The historical use of the Property for cultivation of agricultural crops is a REC due to the possibility of pesticide and/or metals-based herbicide residues in shallow soils at levels above regulatory thresholds or human health risk criteria for residential use. Stantec recommended performing soil sampling for pesticides, lead, and arsenic throughout the Property where agricultural activities were performed below the depth of the placed fill in the native soils.
- **Undocumented Fill (with the addition of methane sampling).** The presence of undocumented fill in the southern portion of the Property was identified as an REC due to its unknown origin and lack of analytical data confirming its suitability for residential use. A previous geotechnical report performed for the Property also indicates that artificial fill was found elsewhere on the Property. Stantec recommended that composite soil samples be collected to evaluate the fill for potential soil impacts.

Additionally, Stantec recommended that soil vapor samples be collected from this imported fill for volatile organic compounds (VOCs). As a conservative measure with regard to the "San Juan Capistrano Landfill" listing, Stantec also recommended that soil vapor be evaluated for methane with a field instrument from the same vapor probes that are recommended for the VOC vapor assessment within the stockpiled fill to confirm that unknown landfilling practices were not being performed onsite within the undocumented stockpile or at an unknown offsite location in the area that could present a potential methane issue.

- **Stress-Absorbing Fabrics in Asphalt.** The Property consists of Paseo Tirador, a paved street. A stress absorbing fabric marketed as Petromat® is sometimes used in asphalt paving operations. The tack coating often associated with this material sometimes contains asbestos. Stantec recommends inspecting the asphalt for the presence of Petromat and if observed, sampling the Petromat for the presence of asbestos.

A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property and the boring locations is provided as Figure 2. To address the above RECs related to historic agricultural use and the undocumented fill, Stantec recommended the completion of a Phase II ESA. The Phase II ESA was completed and the methodology and findings provided below.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

3.0 FIELD INVESTIGATION PROGRAM

3.1 PRE-ASSESSMENT ACTIVITIES

Prior to the commencement of fieldwork activities Stantec made the following preparations:

- As required by law, Stantec visited the Property to mark the proposed boring locations and acquired a current Underground Service Alert (USA) ticket number (A71381442) prior to commencement of drilling activities.
- In accordance with federal OSHA regulations (29 CFR, Section 1910.120), Stantec developed a site-specific Health and Safety Plan (HASP) for the subject property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

3.2 FIELD INVESTIGATION

Stantec provided the services of a field geologist to supervise and direct all onsite activities. All field work was conducted on June 9 and 12, 2017 under the supervision of a State of California registered professional geologist and included the activities described below:

Historical Agricultural Use

Soil samples were collected for pesticides, arsenic, and lead at 8 boring locations, as discussed below:

- Eight (8) hand auger borings (SB-11 through SB-18) were advanced throughout the northern portion of the Property to evaluate the potential for residual pesticides from historical agriculture use. This area is overlain with fill materials; therefore, soil borings were advanced beyond the fill materials and soil samples were collected at 1 and 3 feet into the native soils beneath the fill materials. Soil samples collected at a depth of 1 foot bgs were analyzed for pesticides, and total lead and arsenic by EPA method 8081a and 6010b, respectively. The remaining samples were placed on hold.

Undocumented Fill

- Ten (10) soil borings (SB-01 through SB-10) were advanced at the Property to evaluate potential contaminants within the approximate 50,000 cubic yard fill placed on the Property. The sampling scope was limited to the undocumented fill along the southeast Property boundary. Composite soil samples were collected from surface to five feet in all borings, with select borings having additional



PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

composite samples collected from five to ten feet. A single deep composite soil sample was collected from the stockpile from ten to sixteen in soil boring SB-01.

Additionally, upon arrival at the Site, Stantec observed that the northern portion of the property appeared to be overlain with fill materials. To address this area, Stantec advanced a total of eight (8) soil borings (SB-11 through SB-18). Composite soil samples were collected from surface to approximately five feet bgs in this area.

Composite soil samples collected from the fill material areas were analyzed for TPH, metals, and pesticides by EPA methods 8015b, 6010B/7471a, and 8081a, respectively. Select samples were also analyzed for VOCs by EPA method 8260b.

- Five (5) shallow soil vapor samples were collected from five feet bgs within the fill and a single (1) deep soil vapor samples was collected from fifteen feet bgs within the fill. The soil vapor samples were collected in laboratory-provided batch-certified Summa® canisters and analyzed for VOCs by TO-15.

Stress-Absorbing Fabrics

Four (4) asphalt cores were collected at the Property to inspect for the presence of stress absorbing fabrics in asphalt. No stress absorbing fabrics were observed in the asphalt.

The approximate soil sampling locations are depicted on Figure 2.

3.3 SAMPLING PROCEDURES

3.3.1 Direct Push Soil Sampling

Soil boring locations were hand augured within the upper five feet for utility clearance. Soil samples collected in this zone were collected from the hand auger bucket and packed into laboratory-provided pre-cleaned glass jars with Teflon lined lids. Once the five-foot depth was reached, each of the boring locations was further advanced using a Geoprobe direct push rig to the terminal depth of the boring. During advancement of each boring, sampling of subsurface soils was performed using the direct push rig starting at a depth of approximately five (5) feet bgs and collecting 60-inch long by 1.25-inch inner diameter sampling cores equipped with acetate inserts through each five-foot interval thereafter. At each sampling interval, the sampler was driven into undisturbed soil using a hydraulic ram on the Geoprobe rig until 60 inches of penetration was achieved. Upon advancement of the sampler to the desired sampling depth interval, the steel rods were extracted from the boring and the sample acetate sleeves were removed. The drilling and sampling sequence was then repeated for the entire depth of each boring.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

During hand clearing activities and upon extracting the sampler at each depth interval, the soils contained therein were visually examined by Stantec field personnel who then classified the soils in accordance with the unified soil classification system (USCS).

After classification, the soil samples were collected from the sampling interval. Labeling included pertinent identification (boring number, sample depth, sample collection date, and sample collection time). The samples were then logged on a chain-of-custody (COC) form and placed in an ice-filled cooler for transport to the laboratory. Copies of the COC forms are included as Appendix A.

3.3.2 Hand Auger Soil Sampling

A hand auger was used to collect depth discrete soil samples from boring SB-18 to evaluate residual pesticides and metals from historical agricultural use (see Figure 2). Upon reaching the prescribed soil sampling depth (1-foot and 3-feet) the sampler was removed from the borehole and the soil was tightly packed in glass jars with Teflon lined lids. The sample jars were sealed, logged on a chain-of-custody form, and placed in an ice-filled cooler for transport to the laboratory.

The laboratory analytical results and COC records for the soil samples collected during this investigation are attached as Appendix A.

3.3.3 Soil Vapor Sampling

Soil vapor sampling points were installed by pushing the Geoprobe tip to the desired bottom depth, removing the rods and then lowering a diffuser point connected to 1/4-inch Tygon or Nylaflow® tubing to the target depth. The diffuser point was then backfilled with approximately twelve inches of sand and then backfilled with 6 inches of dry bentonite, with the remainder of the boring backfilled with hydrated bentonite.

Two methods were used to test for leaks. The first method involved performing a shut-in test on the above-ground sampling equipment. This test was performed by closing all of the sampling valves and applying a vacuum of 100 inches of water column (in WC) using a 60-cubic centimeter gas-tight syringe to verify that no leaks in the sample train were present. Once the shut-in test was completed, the second method of testing for leaks was performed by applying the liquid leak check compound (1,1-difluoroethane or 1,1-DFA) to test for ambient air leakage into the sampling system. Stantec used 1,1-DFA as a tracer gas to test for ambient air leakage into the sampling system. The 1,1-DFA was placed on a clean rag and the rag was kept in a small plastic container with a tight-fitting lid. During soil vapor sampling, the lid was removed from the container, and placed near the sample train fittings. Stantec notified the analytical laboratory that 1,1-DFA was used as a leak detection tracer gas and requested that compound be added to the analytical suite.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

After the sampling equipment passed the shut-in test, the probe was purged to remove internal air from the sample train (tubing and vapor implant only). Three internal volumes were purged from each sampling location using a 60-cubic centimeter gas-tight syringe to remove purge air. The flow rate during purging did not exceed 200 milliliters per minute (mL/min). Each location was sampled immediately following purging.

The soil gas samples were collected using 400-mL Summa® canisters, which were obtained from the project laboratory with the proper vacuum of approximately 30 inches of mercury (in Hg). Nylaflow® tubing was used to connect the probes to Summa® canisters fitted with in-line particulate filters and flow regulators restricting flow to less than 200 mL/min, as described in the California EPA, DTSC, Los Angeles Regional Water Quality Control Board (RWQCB) Advisory Active Soil Gas Investigations, dated July 2015.

The canister valve was closed when the laboratory-supplied analog vacuum gauge registered zero. The canister was then marked with a unique sample identification and the date and time of collection using the laboratory-supplied canister tag.

For quality control purposes, one field replicate sample (SB-05-05-SV-REP) was collected.

The COC records for the samples collected from the borings are presented in Appendix B.

3.4 BORING ABANDONMENT PROCEDURES

Following the completion of drilling and soil sampling, borings were abandoned by removing the sampling equipment from the borehole and subsequently backfilling with hydrated granular bentonite or surrounding soil. Hard-scaped surfaces were patched with concrete to match the surrounding surface conditions.

3.5 DECONTAMINATION PROCEDURES

To maintain quality control during soil sampling, prior to each sampling interval, the sampling equipment was decontaminated in an Alconox scrub solution and double-rinsed, first with tap water followed by a final rinse using distilled water. In addition, prior to, and between each boring advanced, the hollow steel rods were cleaned following the same protocol.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

4.0 LABORATORY TESTING PROGRAM

A total of thirty-two (32) soil samples collected during this investigation were delivered under chain-of-custody (Appendix A) to Advanced Technologies Laboratories (ATL) based out of Signal Hill, California. Select soil samples were analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), organochlorine pesticides, and metals by EPA methods 8015b, 8260b, and 6010b/7471a.

A total of seven (7) soil vapor samples (six primary, and one replicate) collected during this investigation were delivered under chain-of-custody (Appendix A) to H&P Mobile Geochemistry based out of Carlsbad, California. Soil vapor samples were analyzed for VOCs by TO-15.

Laboratory analytical reports and QA/QC documentation is attached as Appendix A.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

Stantec personnel oversaw the advancement of eighteen (18) soil and soil vapor borings at the Site on June 9, 2017. Soil encountered during the investigation generally consisted of gravelly silty sand in the upper ten to twelve feet across the Site. This material is understood to be undocumented fill material. A zone of dark brown clay was observed beneath the fill material, followed by a clean poorly-graded sand. No hydrocarbon staining or odors were observed in any of the borings advanced during this assessment. Light Photoionization detector (PID) readings measured 0.0 parts per million by volume (ppmV).

Additionally, a total of four (4) locations were advanced within the asphalt-paved street at the Site to inspect for the presence of stress-absorbing fabric.

No groundwater was encountered in any of the borings during this assessment.

5.2 SOIL ANALYTICAL RESULTS

The laboratory test results are discussed below and a summary of detected concentrations in soil is provided in Tables 1 through 3. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

Historical Agricultural Use

Metals

Four (4) soil samples were collected below the fill material observed in the northern portion of the property to assess for the presence of the heavy metals, arsenic and lead, related to historical agricultural activities at the Site. Arsenic concentrations in this area ranged from 1.3 to 4.5 mg/kg. The risk-based regulatory threshold set by the DTSC Note 3 is 0.067 mg/kg. The reported arsenic concentrations are well within and consistent with typical naturally-occurring regional background concentrations for the region in which the Property is located, which results have been reported in various studies to occur naturally at concentrations ranging from 0.6 to 11 mg/kg. Therefore, the arsenic concentrations detected in the native soils at the property are within typical background concentrations and appear to be naturally occurring. Stantec recommends no further investigation regarding this issue.

Lead was detected at concentrations from 2.0 to 21.0 mg/kg. These concentrations are within typical naturally-occurring regional background levels for the area, and well below the DTSC Note 3 screening level of 80 mg/kg. Therefore, Stantec recommends no further investigation regarding metals within the native soils at the property.



PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

Pesticides

Four (4) soil samples were collected below the fill material observed in the northern portion of the property to assess for the presence of organochlorine pesticides related to historical agricultural activities at the Site. Cumulative concentrations of DDT compounds and cumulative concentration of Chlordane (i.e., chlordane, alpha-chlordane, gamma-chlordane) were detected in sample SB-13-9 at 0.4131 mg/kg and 0.0226 mg/kg, respectively. The residential regulatory thresholds for cumulative DDT compounds are 1.6 mg/kg, and the California hazardous waste level is set at 1.0 mg/kg. The detected concentrations are below both of these levels. Additionally, the cumulative chlordane regulatory threshold in a residential use scenario is 0.43 mg/kg, which is higher than the chlordane detected at the Property. All of the detected pesticide concentrations were below the most conservative of applicable regulatory residential thresholds. Therefore, the detected pesticides are well below regulatory thresholds for residential use and hazardous waste disposal criteria. Based on these results, Stantec concludes that the former agricultural use of the Property does not represent a REC to the Property, and recommends no further investigation regarding this issue.

Undocumented Fill

TPH

A total of sixteen soil samples were collected from the fill located in the southern portion of the property. Additionally, a total of eight (8) soil samples were collected in the northern portion of the property where fill materials were observed. Concentrations of diesel range (TPH-DRO) were detected in ten soil samples collected during this investigation. Two of these samples (SB-01-0/5 and SB-02-0/5) reported TPH-DRO at 100 and 140 milligrams per kilogram (mg/kg). These concentrations are above the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for Region 9 of 96 mg/kg. Oil range (TPH-ORO) were detected in thirteen soil samples collected during this investigation. All reported concentrations are below the USEPA RSL of 2,500 mg/kg. No gasoline range TPH (TPH-GRO) were detected above the laboratory reporting limits in these samples.

VOCs

All VOC concentrations were detected at levels below the laboratory reporting limits (i.e. non-detect), with the exception of toluene at 0.0069 mg/kg in soil samples SB-14-0/5, located in the northern portion of the Site. This concentration is well below the USEPA RSL of 4,900 mg/kg. Stantec recommends no further investigation regarding VOCs.

Metals

A total of sixteen soil samples were collected throughout the stockpile and analyzed for Title 22 metals due to the unknown stockpile sources. Additionally, a total of eight (8) soil samples were collected in the northern portion of the property where fill materials were

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

observed. All of the detected metals concentrations were below the most conservative of applicable regulatory residential thresholds (DTSC Note 3 or USA EPA RSLs). Arsenic concentrations in the stockpile ranged from 2.4 to 5.0 mg/kg, and 1.8 to 3.2 mg/kg in the northern portion of the property. The risk-based regulatory threshold set by the DTSC Note 3 is 0.067 mg/kg.

The reported arsenic concentrations are well within and consistent with typical background concentrations for the region which have been reported in various studies to occur naturally at concentrations ranging from 0.6 to 11 mg/kg. Therefore, the arsenic concentrations detected at the Property are within typical background concentrations and appear to be naturally occurring. Stantec recommends no further investigation regarding metals within the stockpile.

Pesticides

A total of sixteen (16) soil samples were collected throughout the stockpile and analyzed for organochlorine pesticides due to the unknown stockpile sources. DDE and chlordane were detected at trace concentrations in soil samples SB-09-0/5 and SB-06-0/5, respectively. Additionally, a total of eight (8) soil samples were collected throughout the northern fill area. 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected at trace levels in samples collected from this area.

These detected pesticide concentrations are below the most conservative of applicable regulatory residential thresholds (DTSC Note 3 or USA EPA RSLs). Stantec recommends no further investigation regarding pesticides.

Stress-Absorbing Fabrics

No stress absorbing fabrics were observed in the asphalt. Therefore, no samples were collected for analysis of asbestos. Stantec recommends no further investigation regarding this issue.

5.3 SOIL VAPOR ANALYTICAL RESULTS

The laboratory test results are discussed below and a summary of detected concentrations in soil vapor is provided in Table 4. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

A total of seven soil vapor samples (six primary and one replicate) were collected from the six soil vapor probes installed within the stockpile located in the southern portion of the Site and analyzed for VOCs. Various VOCs were detected at low concentrations in all samples. These VOCs include the gasoline constituent's benzene, toluene, ethylbenzene, xylenes, and others. Styrene and two of its by-products carbon disulfide and 4-ethyltoluene were also detected at trace concentrations in every sample collected within the stockpile. Chloromethane, also known as methyl chloride, is a refrigerant and was detected in a single sample at low concentrations.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

Although a suite of VOCs were detected in all samples collected from within the stockpile, all detected VOC concentrations are below the most conservative of applicable regulatory residential thresholds (DTSC Note 3 or USA EPA RSLs).

Additionally, Stantec screened for methane in all soil vapor sample locations using a Landtec GEM 2000 landfill gas meter. Methane concentrations were reported at 0% by volume in all soil vapor probe locations throughout the stockpile. Therefore, Stantec recommends no further investigation regarding soil vapor within the stockpile.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

6.0 CONCLUSIONS AND RECOMMENDATIONS

No specific source area was identified for the TPH-DRO and TPH-ORO impact within the fill located in the southern portion of the Site. Although TPH-DRO was identified in two locations at levels exceeding regulatory thresholds for residential use, the detection appears to be an anomaly – and not indicative of a site-wide issue. Stantec concludes that the presence of the fill is considered a de minimis condition, given generally low concentrations detected at the Property, and does not represent a REC. Trace amounts of VOCs were detected in the soil vapor phase within the fill, however no source of the vapor impact was identified in soil.

Stantec concludes that there are no Recognized Environmental Conditions associated with the Property and recommends no further investigation regarding the environmental condition of the Property.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

7.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Property conditions may degrade with time; consequently, the findings presented herein are subject to change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the Master Services Agreement between Watt Communities, LLC, and Stantec (the "MSA"), the MSA shall control.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 29, 2017

8.0 REFERENCES

California Department of Water Resources (CDWR), 2003, California's Groundwater, Bulletin 118, updated October 2003.

California Division of Mines and Geology (CDMG), 1969, Geologic Map of California, Los Angeles Sheet, scale 1:250,000.

California Geological Survey (CGS), 2002, California Geomorphic Provinces, Note 36.

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California Regional Water Quality Control Board, Los Angeles Region, Interim Site Assessment & Cleanup Guidebook, May 1996.

California State Water Resources Control Board (SWRCB), GeoTracker Database, <http://geotracker.waterboards.ca.gov>

Department of Toxic Substances Control, Human and Ecological Risk Office, Note 3, June 2016.

Division of Oil, Gas, and Geothermal Resources, (1942-1953), Well Records, retrieved from <http://www.conservation.ca.gov/dog/Pages/Wellfinder.aspx>

Land America Assessment Corporation (LAAC), 2006, Phase I Environmental Site Assessment, Undeveloped Land, APNs 666-131-009, 015, and 016, SWC of Calle Arroyo and Paseo Tirador, San Juan Capistrano, dated October 31.

United States Environmental Protection Agency, Region 9 Screening Levels, dated May 2016.

TABLES

Table 1
Summary of Soil Analytical Results - TPH & VOCs
Southwest Corner of Calle Arroyo and Paseo Tirador
San Juan Capistrano, California
Stantec project Number: 185803925

Sample ID	Sample Depth (feet) ⁽¹⁾⁽²⁾	Sampling Date	TPH by 8015B (mg/kg)			VOCs by EPA 8260B (mg/kg)				
			GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Other VOCs
US EPA RSLs			82 ⁽³⁾	96 ⁽⁴⁾	2500 ⁽³⁾	1.2	4,900	5.8	580	varies
SB-01-0/5	0-5	6/9/2017	<1.0	140	420	NA	NA	NA	NA	NA
SB-01-5/10	5-10	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-01-10/16	10-16	6/9/2017	<1.0	25	110	<0.005	<0.005	<0.005	<0.010	<varies
SB-02-0/5	0-5	6/9/2017	<1.0	100	410	NA	NA	NA	NA	NA
SB-02-5/10	5-10	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-03-0/5	0-5	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-03-5/10	5-10	6/9/2017	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.010	<varies
SB-04-0/5	0-5	6/9/2017	<1.0	71	200	NA	NA	NA	NA	NA
SB-04-5/10	5-10	6/9/2017	<1.0	<10	34	<0.005	<0.005	<0.005	<0.010	<varies
SB-05-0/5	0-5	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-06-0/5	0-5	6/9/2017	<1.0	12	13	NA	NA	NA	NA	NA
SB-07-0/5	0-5	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-08-0/5	0-5	6/9/2017	<1.0	<10	23	NA	NA	NA	NA	NA
SB-09-0/5	0-5	6/9/2017	<1.0	<10	26	NA	NA	NA	NA	NA
SB-09-5/10	5-10	6/9/2017	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.010	<varies
SB-10-0/5	0-5	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-11-0/5	0-5	6/9/2017	<1.0	37	130	<0.005	<0.005	<0.005	<0.010	<varies
SB-11-08	8	6/9/2017	NA	NA	NA	NA	NA	NA	NA	NA
SB-12-0/5	0-5	6/9/2017	<1.0	13	65	<0.005	<0.005	<0.005	<0.010	<varies
SB-12-7	7	6/9/2017	NA	NA	NA	NA	NA	NA	NA	NA
SB-13-0/5	0-5	6/9/2017	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.010	<varies
SB-13-9	9	6/9/2017	NA	NA	NA	NA	NA	NA	NA	NA
SB-14-0/5	0-5	6/9/2017	<1.0	<10	<10	<0.005	0.0069	<0.005	<0.010	<varies
SB-14-8	8	6/9/2017	NA	NA	NA	NA	NA	NA	NA	NA
SB-15-0/5	0-5	6/9/2017	<1.0	58	160	NA	NA	NA	NA	NA
SB-16-0/5	0-5	6/9/2017	<1.0	<10	<10	NA	NA	NA	NA	NA
SB-17-0/5	0-5	6/9/2017	<1.0	69	190	NA	NA	NA	NA	NA
SB-18-0/5	0-5	6/9/2017	<1.0	29	37	NA	NA	NA	NA	NA

All concentrations reported in mg/kg = milligrams per kilogram

(1) Represents feet below ground surface

(2) Sample depth range indicates a composite sample collected

(3) US EPA RSLs from Total Petroleum Hydrocarbons aromatic designation

(4) US EPA RSLs from Total Petroleum Hydrocarbons aliphatic designation

NA = Not Analyzed

< - Indicates the concentration was not detected above the laboratory practical quantitation limit.

Table 2
Summary of Soil Analytical Results - Pesticides
Southwest Corner of Calle Arroyo and Paseo Tirador
San Juan Capistrano, California
Stantec project Number: 185803925

Sample ID	Sampling Depth ⁽¹⁾	Sampling Date	Organochlorine Pesticides 8081A (mg/kg)							
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Total DDT Compounds	Toxaphene	Chlordane	Dieldrin	Other OCPs
DTSC HERO Note 3 Residential Thresholds (mg/kg)			NE	NE	NE	—	NE	0.430	NE	varies
US EPA RSL Residential Thresholds (mg/kg)			2.3	2.0	1.9	—	0.490	1.70	0.034	varies
Hazardous Waste Levels (mg/kg)			1.0	1.0	1.0	1.0	5	2.50	8.0	varies
SB-01-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-01-5/10	5-10	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-01-10/16	10-16	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-02-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-02-5/10	5-10	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-03-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-03-5/10	5-10	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-04-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-04-5/10	5-10	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-05-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-06-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	0.011	<0.0020	<varies
SB-07-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-08-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-09-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-09-5/10	5-10	6/9/2017	<0.0020	0.0062	<0.0020	0.0062	<0.050	<0.0085	<0.0020	<varies
SB-10-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-11-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-11-08	8	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-12-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-12-7	7	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-13-0/5	0-5	6/9/2017	<0.0020	0.018	<0.0020	0.018	<0.050	<0.0085	<0.0020	<varies
SB-13-9	9	6/9/2017	0.0500	0.360	0.0031	0.4131	<0.050	0.019	<0.0020	alpha-chlordane: 0.0018 gamma-chlordane: 0.0018
SB-14-0/5	0-5	6/9/2017	<0.0020	0.0082	<0.0020	0.0082	<0.050	<0.0085	<0.0020	<varies
SB-14-8	8	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-15-0/5	0-5	6/9/2017	<0.0020	0.003	<0.0020	0.003	<0.050	<0.0085	<0.0020	<varies
SB-16-0/5	0-5	6/9/2017	<0.0020	0.031	0.0023	0.0333	<0.050	<0.0085	<0.0020	<varies
SB-17-0/5	0-5	6/9/2017	<0.0020	<0.0020	<0.0020	<0.0020	<0.050	<0.0085	<0.0020	<varies
SB-18-0/5	0-5	6/9/2017	0.0040	<0.0020	<0.0020	0.0040	<0.050	<0.0085	<0.0020	<varies

NOTES:

All concentrations reported in mg/kg = milligrams per kilogram

(1) Represents feet below ground surface

Abbreviations:

DDD - Dichlorodiphenyldichloroethane

DDE - Dichlorodiphenyldichloroethylene

DDT - Dichlorodiphenyltrichloroethane

NA - Not Analyzed

US EPA RSL - United States Environmental Protection Agency Regional Screening Levels

< - Indicates the concentration was not detected above the laboratory practical quantitation limit.

DTSC - Department of Toxic Substances Control

HERO - Human and Ecological Risk Office

OCP - Organochlorine Pesticides

Table 3
Summary of Soil Analytical Results - Metals
 Southwest Corner of Calle Arroyo and Paseo Tirador
 San Juan Capistrano, California
 Stantec project Number: 185803925

Sample ID	Sampling Depth ⁽¹⁾	Date	Title 22 Metals ⁽²⁾													
			Arsenic ⁽³⁾	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc	Mercury	Other Title 22 Metals
USEPA RESIDENTIAL RSLs (November 2015)			0.68	15,000	160	71	120,000	23	3,100	400	390	1,500	390	23,000	11	varies
DTSC HERO Note 3, residential use (January 2016)			0.067	NE	1,600	5.2	36,000	NE	NE	80	NE	15,000	390	NE	1.0	varies
California Background Levels Range			0.6-12.0 ⁽⁴⁾	133-1400	0.25-2.7	0.05-1.70	23-1,579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-9.6	9-509	75-288	133-236	0.1-0.9	varies
SB-01-0/5	0-5	6/9/2017	2.4	63	<1.0	<1.0	12	4.4	10	15	<1.0	9.5	21	35	<0.10	<varies
SB-01-5/10	5-10	6/9/2017	3.2	51	<1.0	<1.0	11	4.9	11	5.0	<1.0	7.6	21	35	<0.10	<varies
SB-01-10/16	10-16	6/9/2017	3.5	60	<1.0	<1.0	15	5.3	14	5.7	<1.0	11	24	42	<0.10	<varies
SB-02-0/5	0-5	6/9/2017	2.4	52	<1.0	<1.0	10	3.9	9.4	9.9	<1.0	7.7	19	34	<0.10	<varies
SB-02-5/10	5-10	6/9/2017	5.0	54	<1.0	<1.0	12	4.4	12	4.5	<1.0	8.3	24	34	<0.10	<varies
SB-03-0/5	0-5	6/9/2017	2.7	71	<1.0	<1.0	12	4.0	10	4.4	<1.0	8.3	21	33	<0.10	<varies
SB-03-5/10	5-10	6/9/2017	4.5	62	<1.0	<1.0	11	5.2	13	5.0	<1.0	8.2	22	37	<0.10	<varies
SB-04-0/5	0-5	6/9/2017	4.7	53	<1.0	<1.0	11	5.7	12	5.7	<1.0	7.4	21	37	<0.10	<varies
SB-04-5/10	5-10	6/9/2017	4.4	55	<1.0	<1.0	12	5.0	14	7.2	<1.0	8.8	25	45	<0.10	<varies
SB-05-0/5	0-5	6/9/2017	2.6	53	<1.0	<1.0	11	4.1	11	6.8	<1.0	7.8	19	33	<0.10	<varies
SB-06-0/5	0-5	6/9/2017	2.7	54	<1.0	<1.0	11	3.9	12	3.7	<1.0	7.0	19	30	<0.10	<varies
SB-07-0/5	0-5	6/9/2017	4.0	84	<1.0	<1.0	16	6.0	14	4.4	<1.0	13	26	47	<0.10	<varies
SB-08-0/5	0-5	6/9/2017	3.7	60	<1.0	<1.0	13	5.2	13	5.9	<1.0	9.1	25	38	0.19	<varies
SB-09-0/5	0-5	6/9/2017	4.8	72	<1.0	<1.0	15	5.0	12	3.8	1.5	12	30	42	<0.10	<varies
SB-09-5/10	5-10	6/9/2017	3.3	62	<1.0	<1.0	12	4.7	11	5.7	<1.0	9.2	24	35	<0.10	<varies
SB-10-0/5	0-5	6/9/2017	3.5	65	<1.0	<1.0	13	4.6	12	3.9	<1.0	9.5	24	38	<0.10	<varies
SB-11-0/5	0-5	6/9/2017	2.0	57	<1.0	<1.0	11	3.8	6.6	3.7	<1.0	9.4	18	28	<0.10	<varies
SB-11-08	8	6/9/2017	1.4	NA	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	NA	<varies
SB-12-0/5	0-5	6/9/2017	3.2	59	<1.0	<1.0	13	4.6	12	10	<1.0	10	22	37	<0.10	<varies
SB-12-7	7	6/9/2017	1.4	NA	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA	<varies
SB-13-0/5	0-5	6/9/2017	1.8	63	<1.0	<1.0	14	4.0	8.3	2.9	<1.0	11	19	32	<0.10	<varies
SB-13-9	9	6/9/2017	4.5	NA	NA	NA	NA	NA	NA	7.0	NA	NA	NA	NA	NA	<varies
SB-14-0/5	0-5	6/9/2017	2.0	60	<1.0	<1.0	15	4.9	9.6	1.9	1.2	11	19	34	<0.10	<varies
SB-14-8	8	6/9/2017	1.3	NA	NA	NA	NA	NA	NA	2.0	NA	NA	NA	NA	NA	<varies
SB-15-0/5	0-5	6/9/2017	2.4	63	<1.0	<1.0	18	4.9	11	14	<1.0	19	22	38	0.16	<varies
SB-16-0/5	0-5	6/9/2017	1.9	58	<1.0	<1.0	14	4.2	8.8	2.5	<1.0	11	18	32	0.13	<varies
SB-17-0/5	0-5	6/9/2017	2.1	36	<1.0	<1.0	7.9	2.8	5.4	2.9	<1.0	4.9	15	22	<0.10	<varies
SB-18-0/5	0-5	6/9/2017	3.0	74	<1.0	<1.0	13	4.9	10	5.3	<1.0	9.4	22	57	<0.10	<varies

NOTES:

All concentrations reported in mg/kg

(1) Sample depth is reported as feet below original ground surface

(2) Analyzed by EPA Method 6010B/7471A

(3) Arsenic has been found to exist in naturally in soils at up to 22 mg/kg in the state of California, but is generally considered acceptable at concentrations of 12 mg/kg or less

(4) Chernoff G., Bosan W., and Oudiz B., DTSC, Determination of a Southern California Regional Background Arsenic

< - Indicates the concentration was not detected above the laboratory practical quantitation limit.

NA - Not Analyzed

Table 4
Summary of Soil Vapor Analytical Results
Southwest Corner of Calle Arroyo and Paseo Tirador
San Juan Capistrano, California
Stantec project Number: 185803925

Stanrec Project Number: 163603723

Sample ID ⁽¹⁾	Date	Purge Volume	Methane ⁽³⁾ (% Volume)	VOCs (µg/m ³)								
				Benzene	Ethylbenzene	Toluene	Total Xylenes	1,3,5- Trimethylbenzene	1,2,4- Trimethylbenzene	Tetrachloroethylene (PCE)	Styrene	Other VOCs
DTSC MIASLs (µg/m ³) for residential use ⁽²⁾			NE	97	use RSL	310,000	use RSL	42,000	42,000	NE	940,000	varies
US EPA modified RSLs (µg/m ³) for residential use ⁽²⁾			NE	use MIASL	1,100	use MIASL	100,000	use MIASL	use MIASL	7,300	use MIASL	varies
SB-01-05-SV	6/12/2017	3	0	<3.2	6.4	26	29.6	7.3	6.5	<6.9	9.7	Carbon Disulfide: 7.2 Chloromethane: 3.9 Carbon Disulfide: 29 4-Ethyltoluene: 6.4
SB-01-15-SV	6/12/2017	3	0	14	21	73	89	8.3	20	<6.9	18	Carbon Disulfide: 9.3 Chloroform: 5.2 Chloroform: 5.5
SB-02-05-SV	6/12/2017	3	0	<3.2	<4.4	13	<8.8	<5.0	<5.0	<6.9	28	Carbon Disulfide: 7.7 4-Ethyltoluene: 24
SB-05-05-SV	6/12/2017	3	0	<3.2	<4.4	9.5	<8.8	<5.0	<5.0	<6.9	10	Chloromethane: 2.2 4-Ethyltoluene: 7.8
SB-05-05-SV-REP	6/12/2017	3	0	<3.2	<4.4	6.4	<8.8	<5.0	<5.0	<6.9	9.2	
SB-07-05-SV	6/12/2017	3	0	8.5	44	100	244	38	110	7.0	71	
SB-09-05-SV	6/12/2017	3	0	<3.2	11	25	82	<5.0	19	63	26	

Notes:

(1) Refer to Figure 2 for sampling locations

(2) Soil Gas: Screening levels based on soil gas data collected <1.5 meters (five feet) below a building foundation or the ground surface.

(3) Methane field screened using a Landtec GEM 2000

bgs = Below ground surface

DTSC soil gas screening level = US EPA RSLs for indoor air or DTSC-modified residential indoor air screening level + default DTSC attenuation factor (0.001) - January 2016 MIASLs and May 2016 updated RSLs

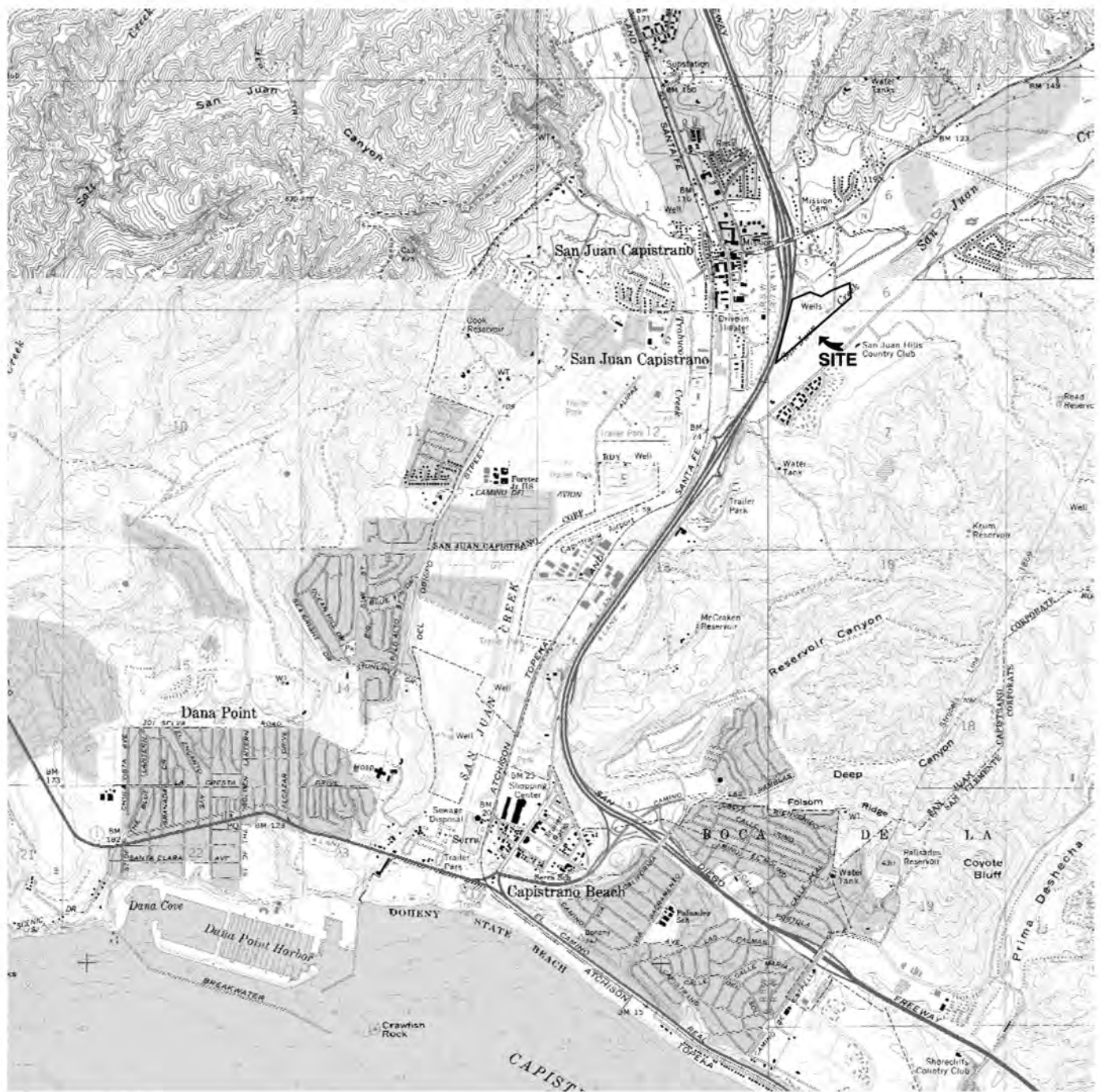
All samples analyzed by TO-15 Full List plus Oxygenates

All concentrations, unless otherwise noted, are listed in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

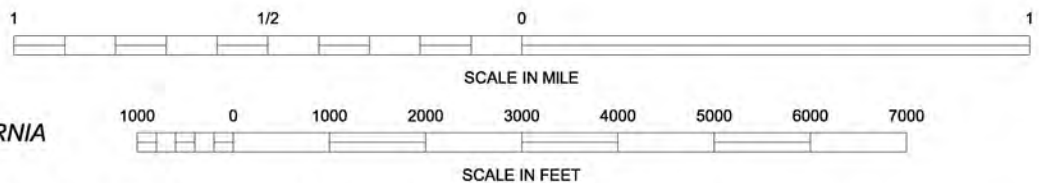
< = Indicates the concentration was not detected above the laboratory practical quantitation limit.

BOLD denotes analyte is present above the laboratory practical quantitation limit.

FIGURES



CALIFORNIA



REFERENCE: USGS 7.5 X 15 MINUTE QUADRANGLE; DANA POINT, 1975, AND SAN JUAN CAPISTRANO 1981.



25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA
PH (909) 335-6116 FAX (909) 335-6120

FOR:

WATT COMMUNITIES LLC
SOUTHWEST CORNER OF
CALLE ARROYO AND PASEO TIRADOR,
SAN JUAN CAPISTRANO, CALIFORNIA

JOB NUMBER:
185803925

DRAWN BY:
JS

CHECKED BY:
DM

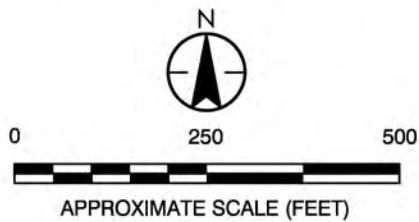
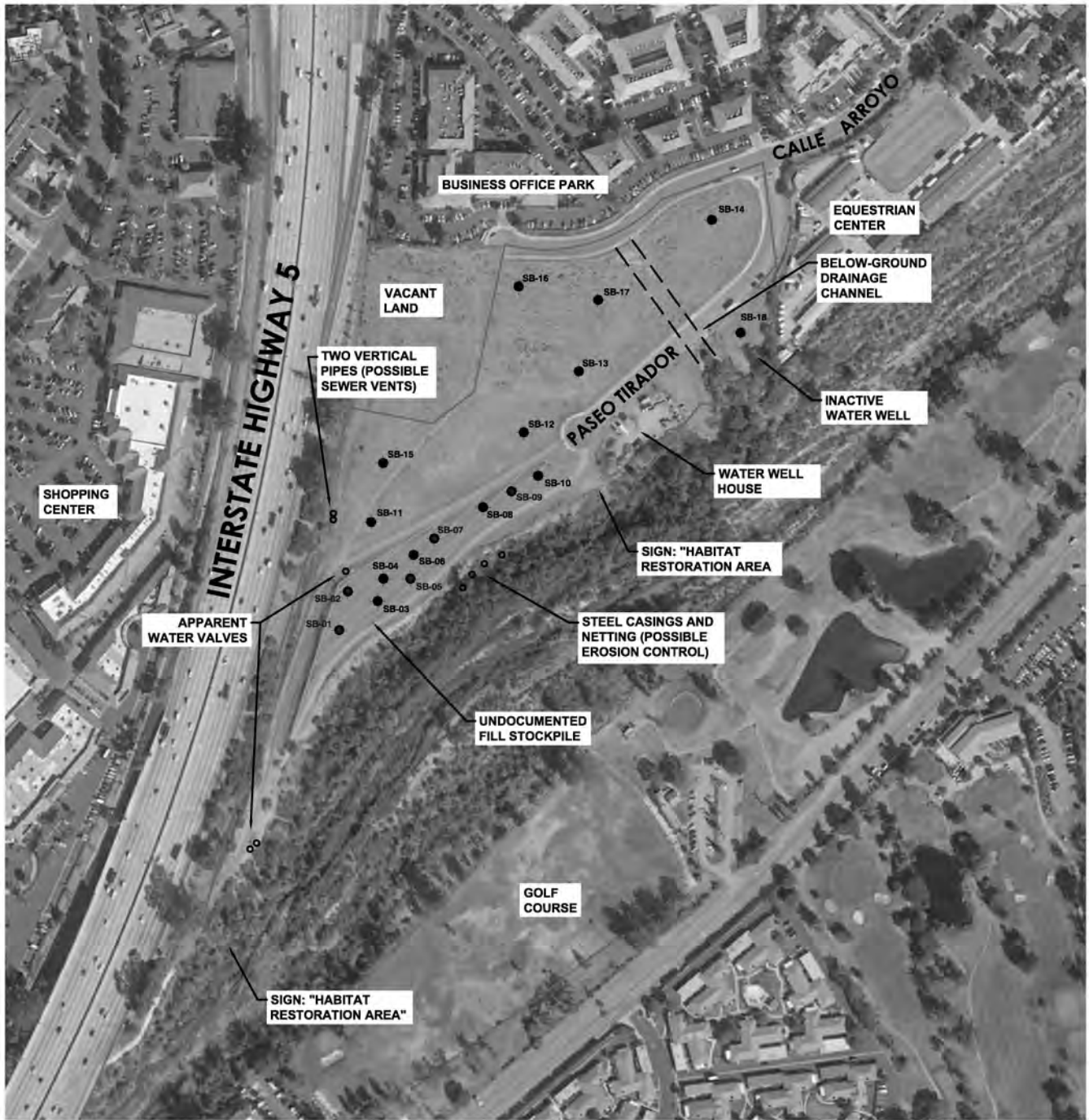
APPROVED BY:
KE

FIGURE:




1

DATE:
05/12/17

SITE LOCATION MAP



LEGEND:

-  PROPERTY BOUNDARY
-  SOIL BORING
-  SOIL AND SOIL VAPOR BORING



25864-F BUSINESS CENTER DRIVE
REDLANDS, CALIFORNIA
PH (909) 335-6116 FAX (909) 335-6120

FOR:

WATT COMMUNITIES
SOUTHWEST CORNER OF
CALLE ARROYO AND PASEO TIRADOR,
SAN JUAN CAPISTRANO, CALIFORNIA

JOB NUMBER:

185803925

DRAWN BY:

JS

CHECKED BY:

DM

APPROVED BY:

KE

FIGURE:

2

DATE:

05/12/17

APPENDIX A
LABORATORY DATA SHEETS AND QA/QC RESULTS



June 19, 2017

Dion Monge
Stantec
25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Re: ATL Work Order Number : 1702276
Client Reference : 185803925

Enclosed are the results for sample(s) received on June 09, 2017 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E Rodriguez".

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01-0/5	1702276-01	Soil	6/09/17 7:30	6/09/17 15:47
SB-01-5/10	1702276-02	Soil	6/09/17 7:35	6/09/17 15:47
SB-01-10/16	1702276-03	Soil	6/09/17 7:40	6/09/17 15:47
SB-02-0/5	1702276-04	Soil	6/09/17 8:15	6/09/17 15:47
SB-02-5/10	1702276-05	Soil	6/09/17 8:25	6/09/17 15:47
SB-03-0/5	1702276-06	Soil	6/09/17 8:40	6/09/17 15:47
SB-03-5/10	1702276-07	Soil	6/09/17 8:50	6/09/17 15:47
SB-04-0/5	1702276-08	Soil	6/09/17 9:18	6/09/17 15:47
SB-04-5/10	1702276-09	Soil	6/09/17 9:44	6/09/17 15:47
SB-05-0/5	1702276-10	Soil	6/09/17 9:50	6/09/17 15:47
SB-06-0/5	1702276-11	Soil	6/09/17 10:05	6/09/17 15:47
SB-07-0/5	1702276-12	Soil	6/09/17 10:41	6/09/17 15:47
SB-08-0/5	1702276-13	Soil	6/09/17 11:15	6/09/17 15:47
SB-09-0/5	1702276-14	Soil	6/09/17 11:24	6/09/17 15:47
SB-09-5/10	1702276-15	Soil	6/09/17 11:32	6/09/17 15:47
SB-10-0/5	1702276-16	Soil	6/09/17 11:45	6/09/17 15:47
SB-11-0/5	1702276-17	Soil	6/09/17 13:37	6/09/17 15:47
SB-11-8	1702276-18	Soil	6/09/17 13:40	6/09/17 15:47
SB-12-0/5	1702276-20	Soil	6/09/17 14:11	6/09/17 15:47
SB-12-7	1702276-21	Soil	6/09/17 14:16	6/09/17 15:47
SB-13-0/5	1702276-23	Soil	6/09/17 14:28	6/09/17 15:47
SB-13-9	1702276-24	Soil	6/09/17 14:31	6/09/17 15:47
SB-14-0/5	1702276-26	Soil	6/09/17 15:05	6/09/17 15:47
SB-14-8	1702276-27	Soil	6/09/17 15:10	6/09/17 15:47
SB-15-0/5	1702276-29	Soil	6/09/17 13:56	6/09/17 15:47
SB-16-0/5	1702276-30	Soil	6/09/17 14:43	6/09/17 15:47
SB-17-0/5	1702276-31	Soil	6/09/17 14:55	6/09/17 15:47
SB-18-0/5	1702276-32	Soil	6/09/17 12:57	6/09/17 15:47



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-0/5

Lab ID: 1702276-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Arsenic	2.4	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Barium	63	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Chromium	12	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Cobalt	4.4	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Copper	10	2.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Lead	15	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Nickel	9.5	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Vanadium	21	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	
Zinc	35	1.0	1	B7F0286	06/13/2017	06/14/17 09:49	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:32	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 10:00	
Surrogate: 4-Bromofluorobenzene	103 %	36 - 125		B7F0214	06/12/2017	06/12/17 10:00	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	140	10	1	B7F0247	06/12/2017	06/16/17 07:55	
ORO	420	10	1	B7F0247	06/12/2017	06/16/17 07:55	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-0/5

Lab ID: 1702276-01

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	112 %	47 - 157		B7F0247	06/12/2017	06/16/17 07:55	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Chlordane [2C]	ND	8.5	1	B7F0254	06/12/2017	06/13/17 14:41	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Dieldrin [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:41	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 14:41	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 14:41	
Surrogate: Decachlorobiphenyl	61.3 %	27 - 123		B7F0254	06/12/2017	06/13/17 14:41	
Surrogate: Tetrachloro- <i>m</i> -xylene	78.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 14:41	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-5/10

Lab ID: 1702276-02

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Arsenic	3.2	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Barium	51	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Cobalt	4.9	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Copper	11	2.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Lead	5.0	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Nickel	7.6	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Vanadium	21	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	
Zinc	35	1.0	1	B7F0286	06/13/2017	06/14/17 09:52	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:41	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0216	06/12/2017	06/12/17 18:55	
Surrogate: 4-Bromofluorobenzene	99.9 %	36 - 125		B7F0216	06/12/2017	06/12/17 18:55	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:53	
ORO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:53	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-5/10

Lab ID: 1702276-02

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	95.5 %	47 - 157		B7F0247	06/12/2017	06/13/17 09:53	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 14:52	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 14:52	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 14:52	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 14:52	
Surrogate: Decachlorobiphenyl	57.9 %	27 - 123		B7F0254	06/12/2017	06/13/17 14:52	
Surrogate: Tetrachloro- <i>m</i> -xylene	75.9 %	26 - 108		B7F0254	06/12/2017	06/13/17 14:52	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-10/16

Lab ID: 1702276-03

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Arsenic	3.5	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Barium	60	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Chromium	15	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Cobalt	5.3	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Copper	14	2.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Lead	5.7	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Nickel	11	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Vanadium	24	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	
Zinc	42	1.0	1	B7F0286	06/13/2017	06/14/17 09:54	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:43	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 10:37	
Surrogate: 4-Bromofluorobenzene	99.1 %	36 - 125		B7F0214	06/12/2017	06/12/17 10:37	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	25	10	1	B7F0247	06/12/2017	06/16/17 06:30	
ORO	110	10	1	B7F0247	06/12/2017	06/16/17 06:30	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-10/16

Lab ID: 1702276-03

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	111 %	47 - 157		B7F0247	06/12/2017	06/16/17 06:30	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:02	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:02	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:02	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:02	
Surrogate: Decachlorobiphenyl	50.5 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:02	
Surrogate: Tetrachloro- <i>m</i> -xylene	71.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:02	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-10/16

Lab ID: 1702276-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-01-10/16

Lab ID: 1702276-03

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:17	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 10:17	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 10:17	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 10:17	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:17	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:17	
Surrogate: 1,2-Dichloroethane-d4	74.5 %	12 - 186		B7F0261	06/13/2017	06/13/17 10:17	
Surrogate: 4-Bromofluorobenzene	95.9 %	23 - 162		B7F0261	06/13/2017	06/13/17 10:17	
Surrogate: Dibromofluoromethane	89.1 %	23 - 179		B7F0261	06/13/2017	06/13/17 10:17	
Surrogate: Toluene-d8	108 %	26 - 164		B7F0261	06/13/2017	06/13/17 10:17	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-02-0/5

Lab ID: 1702276-04

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Arsenic	2.4	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Barium	52	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Chromium	10	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Cobalt	3.9	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Copper	9.4	2.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Lead	9.9	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Nickel	7.7	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Vanadium	19	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	
Zinc	34	1.0	1	B7F0286	06/13/2017	06/14/17 09:55	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:46	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 13:23	
Surrogate: 4-Bromofluorobenzene	98.9 %	36 - 125		B7F0214	06/12/2017	06/12/17 13:23	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	100	10	1	B7F0247	06/12/2017	06/16/17 08:12	
ORO	410	10	1	B7F0247	06/12/2017	06/16/17 08:12	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-02-0/5

Lab ID: 1702276-04

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	130 %	47 - 157		B7F0247	06/12/2017	06/16/17 08:12	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
4,4'-DDT [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:12	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:12	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:12	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:12	
Surrogate: Decachlorobiphenyl	44.4 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:12	
Surrogate: Tetrachloro- <i>m</i> -xylene	64.3 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:12	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-02-5/10

Lab ID: 1702276-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Arsenic	5.0	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Barium	54	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Chromium	12	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Cobalt	4.4	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Lead	4.5	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Nickel	8.3	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Vanadium	24	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	
Zinc	34	1.0	1	B7F0286	06/13/2017	06/14/17 09:56	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:48	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 13:41	
Surrogate: 4-Bromofluorobenzene	105 %	36 - 125		B7F0214	06/12/2017	06/12/17 13:41	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 02:14	
ORO	ND	10	1	B7F0247	06/12/2017	06/16/17 02:14	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-02-5/10

Lab ID: 1702276-05

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	114 %	47 - 157		B7F0247	06/12/2017	06/16/17 02:14	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:23	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:23	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:23	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:23	
Surrogate: Decachlorobiphenyl	65.8 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:23	
Surrogate: Tetrachloro- <i>m</i> -xylene	87.4 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:23	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-0/5

Lab ID: 1702276-06

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Arsenic	2.7	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Barium	71	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Chromium	12	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Cobalt	4.0	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Copper	10	2.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Lead	4.4	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Nickel	8.3	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Vanadium	21	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	
Zinc	33	1.0	1	B7F0286	06/13/2017	06/14/17 09:57	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:55	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 14:00	
Surrogate: 4-Bromofluorobenzene	102 %	36 - 125		B7F0214	06/12/2017	06/12/17 14:00	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/15/17 20:48	
ORO	ND	10	1	B7F0247	06/12/2017	06/15/17 20:48	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-0/5

Lab ID: 1702276-06

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	116 %	47 - 157		B7F0247	06/12/2017	06/15/17 20:48	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Chlordane [2C]	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:33	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:33	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:33	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:33	
Surrogate: Decachlorobiphenyl	54.3 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:33	
Surrogate: Tetrachloro- <i>m</i> -xylene	79.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:33	



Certificate of Analysis

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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-5/10

Lab ID: 1702276-07

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Arsenic	4.5	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Barium	62	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Cobalt	5.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Copper	13	2.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Lead	5.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Nickel	8.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Vanadium	22	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	
Zinc	37	1.0	1	B7F0286	06/13/2017	06/14/17 10:01	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:57	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 14:18	
Surrogate: 4-Bromofluorobenzene	102 %	36 - 125		B7F0214	06/12/2017	06/12/17 14:18	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 03:05	
ORO	ND	10	1	B7F0247	06/12/2017	06/16/17 03:05	



Certificate of Analysis

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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-5/10

Lab ID: 1702276-07

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	120 %	47 - 157		B7F0247	06/12/2017	06/16/17 03:05	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:44	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:44	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:44	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:44	
Surrogate: Decachlorobiphenyl	57.8 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:44	
Surrogate: Tetrachloro- <i>m</i> -xylene	85.8 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:44	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-5/10

Lab ID: 1702276-07

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-03-5/10

Lab ID: 1702276-07

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:36	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 10:36	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 10:36	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 10:36	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:36	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:36	
Surrogate: 1,2-Dichloroethane-d4	75.4 %	12 - 186		B7F0261	06/13/2017	06/13/17 10:36	
Surrogate: 4-Bromofluorobenzene	92.7 %	23 - 162		B7F0261	06/13/2017	06/13/17 10:36	
Surrogate: Dibromofluoromethane	87.2 %	23 - 179		B7F0261	06/13/2017	06/13/17 10:36	
Surrogate: Toluene-d8	97.6 %	26 - 164		B7F0261	06/13/2017	06/13/17 10:36	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-0/5

Lab ID: 1702276-08

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Arsenic	4.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Barium	53	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Cobalt	5.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Lead	5.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Nickel	7.4	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Vanadium	21	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	
Zinc	37	1.0	1	B7F0286	06/13/2017	06/14/17 10:02	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 09:59	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 14:37	
Surrogate: 4-Bromofluorobenzene	98.5 %	36 - 125		B7F0214	06/12/2017	06/12/17 14:37	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	71	10	1	B7F0247	06/12/2017	06/16/17 05:21	
ORO	200	10	1	B7F0247	06/12/2017	06/16/17 05:21	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-0/5

Lab ID: 1702276-08

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	128 %	47 - 157		B7F0247	06/12/2017	06/16/17 05:21	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 15:54	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 15:54	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 15:54	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 15:54	
Surrogate: Decachlorobiphenyl	67.1 %	27 - 123		B7F0254	06/12/2017	06/13/17 15:54	
Surrogate: Tetrachloro- <i>m</i> -xylene	86.3 %	26 - 108		B7F0254	06/12/2017	06/13/17 15:54	



Certificate of Analysis

Stantec
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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-5/10

Lab ID: 1702276-09

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Arsenic	4.4	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Barium	55	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Chromium	12	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Cobalt	5.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Copper	14	2.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Lead	7.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Nickel	8.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Vanadium	25	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	
Zinc	45	1.0	1	B7F0286	06/13/2017	06/14/17 10:03	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:01	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 14:55	
Surrogate: 4-Bromofluorobenzene	104 %	36 - 125		B7F0214	06/12/2017	06/12/17 14:55	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 10:25	
ORO	34	10	1	B7F0247	06/12/2017	06/16/17 10:25	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-5/10

Lab ID: 1702276-09

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	117 %	47 - 157		B7F0247	06/12/2017	06/16/17 10:25	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 16:05	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:05	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:05	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:05	
Surrogate: Decachlorobiphenyl	51.4 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:05	
Surrogate: Tetrachloro- <i>m</i> -xylene	71.1 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:05	



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-5/10

Lab ID: 1702276-09

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-04-5/10

Lab ID: 1702276-09

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:54	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 10:54	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 10:54	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 10:54	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 10:54	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 10:54	
Surrogate: 1,2-Dichloroethane-d4	75.2 %	12 - 186		B7F0261	06/13/2017	06/13/17 10:54	
Surrogate: 4-Bromofluorobenzene	94.0 %	23 - 162		B7F0261	06/13/2017	06/13/17 10:54	
Surrogate: Dibromofluoromethane	86.7 %	23 - 179		B7F0261	06/13/2017	06/13/17 10:54	
Surrogate: Toluene-d8	98.5 %	26 - 164		B7F0261	06/13/2017	06/13/17 10:54	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-05-0/5

Lab ID: 1702276-10

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Arsenic	2.6	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Barium	53	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Cobalt	4.1	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Copper	11	2.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Lead	6.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Nickel	7.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Vanadium	19	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	
Zinc	33	1.0	1	B7F0286	06/13/2017	06/14/17 10:04	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KKK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:04	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 15:14	
Surrogate: 4-Bromofluorobenzene	101 %	36 - 125		B7F0214	06/12/2017	06/12/17 15:14	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 03:39	
ORO	ND	10	1	B7F0247	06/12/2017	06/16/17 03:39	



Certificate of Analysis

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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-05-0/5

Lab ID: 1702276-10

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	114 %	47 - 157		B7F0247	06/12/2017	06/16/17 03:39	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 16:15	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:15	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:15	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:15	
Surrogate: Decachlorobiphenyl	67.7 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:15	
Surrogate: Tetrachloro- <i>m</i> -xylene	89.9 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:15	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-06-0/5

Lab ID: 1702276-11

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Arsenic	2.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Barium	54	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Cobalt	3.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Lead	3.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Nickel	7.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Vanadium	19	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	
Zinc	30	1.0	1	B7F0286	06/13/2017	06/14/17 10:05	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:06	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 15:32	
Surrogate: 4-Bromofluorobenzene	99.5 %	36 - 125		B7F0214	06/12/2017	06/12/17 15:32	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	12	10	1	B7F0247	06/12/2017	06/16/17 03:22	
ORO	13	10	1	B7F0247	06/12/2017	06/16/17 03:22	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-06-0/5

Lab ID: 1702276-11

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	115 %	47 - 157		B7F0247	06/12/2017	06/16/17 03:22	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Chlordane [2C]	11	8.5	1	B7F0254	06/12/2017	06/13/17 16:26	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:26	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:26	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:26	
Surrogate: Decachlorobiphenyl	81.3 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:26	
Surrogate: Tetrachloro- <i>m</i> -xylene	107 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:26	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-07-0/5

Lab ID: 1702276-12

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Arsenic	4.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Barium	84	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Chromium	16	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Cobalt	6.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Copper	14	2.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Lead	4.4	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Nickel	13	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Vanadium	26	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	
Zinc	47	1.0	1	B7F0286	06/13/2017	06/14/17 10:06	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:08	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 15:51	
Surrogate: 4-Bromofluorobenzene	102 %	36 - 125		B7F0214	06/12/2017	06/12/17 15:51	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/13/17 08:29	
ORO	ND	10	1	B7F0247	06/12/2017	06/13/17 08:29	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-07-0/5

Lab ID: 1702276-12

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	99.2 %	47 - 157		B7F0247	06/12/2017	06/13/17 08:29	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 16:36	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:36	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:36	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:36	
Surrogate: Decachlorobiphenyl	84.5 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:36	
Surrogate: Tetrachloro- <i>m</i> -xylene	97.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:36	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-08-0/5

Lab ID: 1702276-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Arsenic	3.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Barium	60	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Chromium	13	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Cobalt	5.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Copper	13	2.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Lead	5.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Nickel	9.1	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Vanadium	25	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	
Zinc	38	1.0	1	B7F0286	06/13/2017	06/14/17 10:07	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.19	0.10	1	B7F0288	06/13/2017	06/14/17 10:10	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0216	06/12/2017	06/12/17 17:41	
Surrogate: 4-Bromofluorobenzene	103 %	36 - 125		B7F0216	06/12/2017	06/12/17 17:41	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 10:07	
ORO	23	10	1	B7F0247	06/12/2017	06/16/17 10:07	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-08-0/5

Lab ID: 1702276-13

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	115 %	47 - 157		B7F0247	06/12/2017	06/16/17 10:07	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 16:47	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:47	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:47	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:47	
Surrogate: Decachlorobiphenyl	50.7 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:47	
Surrogate: Tetrachloro- <i>m</i> -xylene	66.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:47	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-0/5

Lab ID: 1702276-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Arsenic	4.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Barium	72	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Chromium	15	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Cobalt	5.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Lead	3.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Molybdenum	1.5	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Nickel	12	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Vanadium	30	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	
Zinc	42	1.0	1	B7F0286	06/13/2017	06/14/17 10:08	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:13	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0216	06/12/2017	06/12/17 18:00	
Surrogate: 4-Bromofluorobenzene	100 %	36 - 125		B7F0216	06/12/2017	06/12/17 18:00	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/16/17 09:50	
ORO	26	10	1	B7F0247	06/12/2017	06/16/17 09:50	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-0/5

Lab ID: 1702276-14

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	109 %	47 - 157		B7F0247	06/12/2017	06/16/17 09:50	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
alpha-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 16:57	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 16:57	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
gamma-Chlordane [2C]	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 16:57	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 16:57	
Surrogate: Decachlorobiphenyl	43.0 %	27 - 123		B7F0254	06/12/2017	06/13/17 16:57	
Surrogate: Tetrachloro- <i>m</i> -xylene	60.9 %	26 - 108		B7F0254	06/12/2017	06/13/17 16:57	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-5/10

Lab ID: 1702276-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Arsenic	3.3	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Barium	62	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Chromium	12	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Cobalt	4.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Copper	11	2.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Lead	5.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Nickel	9.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Vanadium	24	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	
Zinc	35	1.0	1	B7F0286	06/13/2017	06/14/17 10:09	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:15	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0216	06/12/2017	06/12/17 18:18	
Surrogate: 4-Bromofluorobenzene	88.2 %	36 - 125		B7F0216	06/12/2017	06/12/17 18:18	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:36	
ORO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:36	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-5/10

Lab ID: 1702276-15

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	100 %	47 - 157		B7F0247	06/12/2017	06/13/17 09:36	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
4,4'-DDE	6.2	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 17:08	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:08	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 17:08	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 17:08	
Surrogate: Decachlorobiphenyl	73.1 %	27 - 123		B7F0254	06/12/2017	06/13/17 17:08	
Surrogate: Tetrachloro- <i>m</i> -xylene	92.2 %	26 - 108		B7F0254	06/12/2017	06/13/17 17:08	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-5/10

Lab ID: 1702276-15

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-09-5/10

Lab ID: 1702276-15

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:13	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 11:13	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 11:13	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 11:13	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:13	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:13	

Surrogate: 1,2-Dichloroethane-d4	74.3 %	12 - 186	B7F0261	06/13/2017	06/13/17 11:13
Surrogate: 4-Bromofluorobenzene	91.3 %	23 - 162	B7F0261	06/13/2017	06/13/17 11:13
Surrogate: Dibromofluoromethane	89.6 %	23 - 179	B7F0261	06/13/2017	06/13/17 11:13
Surrogate: Toluene-d8	97.6 %	26 - 164	B7F0261	06/13/2017	06/13/17 11:13



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-10-0/5

Lab ID: 1702276-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Arsenic	3.5	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Barium	65	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Chromium	13	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Cobalt	4.6	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Lead	3.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Nickel	9.5	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Vanadium	24	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	
Zinc	38	1.0	1	B7F0286	06/13/2017	06/14/17 10:10	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:21	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 10:55	
Surrogate: 4-Bromofluorobenzene	100 %	36 - 125		B7F0214	06/12/2017	06/12/17 10:55	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/15/17 20:31	
ORO	ND	10	1	B7F0247	06/12/2017	06/15/17 20:31	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-10-0/5

Lab ID: 1702276-16

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	109 %	47 - 157		B7F0247	06/12/2017	06/15/17 20:31	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 17:18	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:18	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 17:18	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 17:18	
Surrogate: Decachlorobiphenyl	62.0 %	27 - 123		B7F0254	06/12/2017	06/13/17 17:18	
Surrogate: Tetrachloro- <i>m</i> -xylene	83.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 17:18	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-11-0/5

Lab ID: 1702276-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Arsenic	2.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Barium	57	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Chromium	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Cobalt	3.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Copper	6.6	2.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Lead	3.7	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Nickel	9.4	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Vanadium	18	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	
Zinc	28	1.0	1	B7F0286	06/13/2017	06/14/17 10:14	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:24	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 11:14	
Surrogate: 4-Bromofluorobenzene	98.4 %	36 - 125		B7F0214	06/12/2017	06/12/17 11:14	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	37	10	1	B7F0247	06/12/2017	06/16/17 07:04	
ORO	130	10	1	B7F0247	06/12/2017	06/16/17 07:04	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-11-0/5

Lab ID: 1702276-17

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	103 %	47 - 157		B7F0247	06/12/2017	06/16/17 07:04	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
4,4'-DDE	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
4,4'-DDT	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/14/17 10:35	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/14/17 10:35	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/14/17 10:35	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/14/17 10:35	
Surrogate: Decachlorobiphenyl	47.7 %	27 - 123		B7F0254	06/12/2017	06/14/17 10:35	
Surrogate: Tetrachloro- <i>m</i> -xylene	52.3 %	26 - 108		B7F0254	06/12/2017	06/14/17 10:35	



Certificate of Analysis

Stantec
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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-11-0/5

Lab ID: 1702276-17

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-11-0/5

Lab ID: 1702276-17

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:32	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 11:32	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 11:32	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 11:32	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:32	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:32	
Surrogate: 1,2-Dichloroethane-d4	79.3 %	12 - 186		B7F0261	06/13/2017	06/13/17 11:32	
Surrogate: 4-Bromofluorobenzene	93.7 %	23 - 162		B7F0261	06/13/2017	06/13/17 11:32	
Surrogate: Dibromofluoromethane	93.0 %	23 - 179		B7F0261	06/13/2017	06/13/17 11:32	
Surrogate: Toluene-d8	104 %	26 - 164		B7F0261	06/13/2017	06/13/17 11:32	



Certificate of Analysis

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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-11-8

Lab ID: 1702276-18

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.4	1.0	1	B7F0293	06/13/2017	06/14/17 10:34	
Lead	2.7	1.0	1	B7F0293	06/13/2017	06/14/17 10:34	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
4,4'-DDE [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
4,4'-DDT	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 15:23	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endosulfan II [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endrin [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:23	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 15:23	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 15:23	
Surrogate: Decachlorobiphenyl	58.2 %	27 - 123		B7F0243	06/12/2017	06/12/17 15:23	
Surrogate: Tetrachloro-m-xylene	43.2 %	26 - 108		B7F0243	06/12/2017	06/12/17 15:23	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-12-0/5

Lab ID: 1702276-20

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Arsenic	3.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Barium	59	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Chromium	13	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Cobalt	4.6	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Copper	12	2.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Lead	10	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Nickel	10	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Vanadium	22	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	
Zinc	37	1.0	1	B7F0286	06/13/2017	06/14/17 10:15	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:26	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 11:32	
Surrogate: 4-Bromofluorobenzene	103 %	36 - 125		B7F0214	06/12/2017	06/12/17 11:32	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	13	10	1	B7F0247	06/12/2017	06/16/17 06:47	
ORO	65	10	1	B7F0247	06/12/2017	06/16/17 06:47	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-12-0/5

Lab ID: 1702276-20

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	115 %	47 - 157		B7F0247	06/12/2017	06/16/17 06:47	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
4,4'-DDE [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
4,4'-DDT [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 17:39	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:39	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 17:39	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 17:39	
Surrogate: Decachlorobiphenyl	40.2 %	27 - 123		B7F0254	06/12/2017	06/13/17 17:39	
Surrogate: Tetrachloro- <i>m</i> -xylene	54.5 %	26 - 108		B7F0254	06/12/2017	06/13/17 17:39	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-12-0/5

Lab ID: 1702276-20

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-12-0/5

Lab ID: 1702276-20

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:50	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 11:50	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 11:50	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 11:50	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 11:50	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 11:50	
Surrogate: 1,2-Dichloroethane-d4	80.8 %	12 - 186		B7F0261	06/13/2017	06/13/17 11:50	
Surrogate: 4-Bromofluorobenzene	95.5 %	23 - 162		B7F0261	06/13/2017	06/13/17 11:50	
Surrogate: Dibromofluoromethane	89.7 %	23 - 179		B7F0261	06/13/2017	06/13/17 11:50	
Surrogate: Toluene-d8	102 %	26 - 164		B7F0261	06/13/2017	06/13/17 11:50	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-12-7

Lab ID: 1702276-21

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.4	1.0	1	B7F0293	06/13/2017	06/14/17 10:37	
Lead	21	1.0	1	B7F0293	06/13/2017	06/14/17 10:37	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
4,4'-DDE [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
4,4'-DDT	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 15:34	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:34	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 15:34	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 15:34	
Surrogate: Decachlorobiphenyl	69.1 %	27 - 123		B7F0243	06/12/2017	06/12/17 15:34	
Surrogate: Tetrachloro-m-xylene	69.7 %	26 - 108		B7F0243	06/12/2017	06/12/17 15:34	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-13-0/5

Lab ID: 1702276-23

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Arsenic	1.8	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Barium	63	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Chromium	14	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Cobalt	4.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Copper	8.3	2.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Lead	2.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Molybdenum	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Nickel	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Vanadium	19	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	
Zinc	32	1.0	1	B7F0286	06/13/2017	06/14/17 10:16	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:28	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 11:51	
Surrogate: 4-Bromofluorobenzene	102 %	36 - 125		B7F0214	06/12/2017	06/12/17 11:51	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/13/17 08:45	
ORO	ND	10	1	B7F0247	06/12/2017	06/13/17 08:45	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-13-0/5

Lab ID: 1702276-23

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	102 %	47 - 157		B7F0247	06/12/2017	06/13/17 08:45	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
4,4'-DDE [2C]	18	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
4,4'-DDT [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 17:49	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 17:49	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 17:49	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 17:49	
Surrogate: Decachlorobiphenyl	72.1 %	27 - 123		B7F0254	06/12/2017	06/13/17 17:49	
Surrogate: Tetrachloro- <i>m</i> -xylene	78.9 %	26 - 108		B7F0254	06/12/2017	06/13/17 17:49	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-13-0/5

Lab ID: 1702276-23

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-13-0/5

Lab ID: 1702276-23

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 12:09	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 12:09	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 12:09	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 12:09	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Toluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 12:09	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:09	
Surrogate: 1,2-Dichloroethane-d4	74.6 %	12 - 186		B7F0261	06/13/2017	06/13/17 12:09	
Surrogate: 4-Bromofluorobenzene	93.5 %	23 - 162		B7F0261	06/13/2017	06/13/17 12:09	
Surrogate: Dibromofluoromethane	94.8 %	23 - 179		B7F0261	06/13/2017	06/13/17 12:09	
Surrogate: Toluene-d8	104 %	26 - 164		B7F0261	06/13/2017	06/13/17 12:09	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-13-9

Lab ID: 1702276-24

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.5	1.0	1	B7F0293	06/13/2017	06/14/17 10:38	
Lead	7.0	1.0	1	B7F0293	06/13/2017	06/14/17 10:38	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	50	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
4,4'-DDE	360	20	10	B7F0243	06/12/2017	06/12/17 16:26	
4,4'-DDT [2C]	3.1	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
alpha-Chlordane	1.8	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Chlordane [2C]	19	8.5	1	B7F0243	06/12/2017	06/12/17 15:44	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 15:44	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
gamma-Chlordane [2C]	1.8	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 15:44	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 15:44	
Surrogate: Decachlorobiphenyl	60.3 %	27 - 123		B7F0243	06/12/2017	06/12/17 16:26	
Surrogate: Decachlorobiphenyl	56.7 %	27 - 123		B7F0243	06/12/2017	06/12/17 15:44	
Surrogate: Tetrachloro-m-xylene	69.4 %	26 - 108		B7F0243	06/12/2017	06/12/17 16:26	
Surrogate: Tetrachloro-m-xylene	56.9 %	26 - 108		B7F0243	06/12/2017	06/12/17 15:44	



Certificate of Analysis

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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-14-0/5

Lab ID: 1702276-26

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Arsenic	2.0	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Barium	60	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Beryllium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Cadmium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Chromium	15	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Cobalt	4.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Copper	9.6	2.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Lead	1.9	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Molybdenum	1.2	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Nickel	11	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Selenium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Silver	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Thallium	ND	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Vanadium	19	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	
Zinc	34	1.0	1	B7F0286	06/13/2017	06/14/17 10:17	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0288	06/13/2017	06/14/17 10:30	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 12:09	
Surrogate: 4-Bromofluorobenzene	99.7 %	36 - 125		B7F0214	06/12/2017	06/12/17 12:09	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:19	
ORO	ND	10	1	B7F0247	06/12/2017	06/13/17 09:19	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-14-0/5

Lab ID: 1702276-26

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	99.4 %	47 - 157		B7F0247	06/12/2017	06/13/17 09:19	

Organochlorine Pesticides by EPA 8081

Analyst: LT/

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
4,4'-DDE [2C]	8.2	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
4,4'-DDT [2C]	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Aldrin	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
alpha-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
alpha-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
beta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Chlordane	ND	8.5	1	B7F0254	06/12/2017	06/13/17 18:00	
delta-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Dieldrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endosulfan I	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endosulfan II	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endosulfan sulfate	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endrin	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endrin aldehyde	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Endrin ketone	ND	2.0	1	B7F0254	06/12/2017	06/13/17 18:00	
gamma-BHC	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
gamma-Chlordane	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Heptachlor	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Heptachlor epoxide	ND	1.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Methoxychlor	ND	5.0	1	B7F0254	06/12/2017	06/13/17 18:00	
Toxaphene	ND	50	1	B7F0254	06/12/2017	06/13/17 18:00	
Surrogate: Decachlorobiphenyl	63.1 %	27 - 123		B7F0254	06/12/2017	06/13/17 18:00	
Surrogate: Tetrachloro- <i>m</i> -xylene	85.8 %	26 - 108		B7F0254	06/12/2017	06/13/17 18:00	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-14-0/5

Lab ID: 1702276-26

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1,1-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1,2-Trichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,1-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2,3-Trichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2-Dibromoethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2-Dichloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,3-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,3-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
1,4-Dichlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
2,2-Dichloropropane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
2-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
4-Chlorotoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
4-Isopropyltoluene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Benzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Bromobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Bromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Bromodichloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Bromoform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Bromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Carbon disulfide	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Carbon tetrachloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Chlorobenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Chloroethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Chloroform	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Chloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-14-0/5

Lab ID: 1702276-26

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Di-isopropyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Dibromochloromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Dibromomethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Dichlorodifluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Ethyl Acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 12:28	
Ethyl Ether	ND	50	1	B7F0261	06/13/2017	06/13/17 12:28	
Ethyl tert-butyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Ethylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Freon-113	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Hexachlorobutadiene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Isopropylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
m,p-Xylene	ND	10	1	B7F0261	06/13/2017	06/13/17 12:28	
Methylene chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
MTBE	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
n-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
n-Propylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Naphthalene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
o-Xylene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
sec-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Styrene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
tert-Amyl methyl ether	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
tert-Butanol	ND	100	1	B7F0261	06/13/2017	06/13/17 12:28	
tert-Butylbenzene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Tetrachloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Toluene	6.9	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Trichloroethene	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Trichlorofluoromethane	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
Vinyl acetate	ND	50	1	B7F0261	06/13/2017	06/13/17 12:28	
Vinyl chloride	ND	5.0	1	B7F0261	06/13/2017	06/13/17 12:28	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>68.3 %</i>	<i>12 - 186</i>		B7F0261	06/13/2017	06/13/17 12:28	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.7 %</i>	<i>23 - 162</i>		B7F0261	06/13/2017	06/13/17 12:28	
<i>Surrogate: Dibromofluoromethane</i>	<i>90.2 %</i>	<i>23 - 179</i>		B7F0261	06/13/2017	06/13/17 12:28	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>26 - 164</i>		B7F0261	06/13/2017	06/13/17 12:28	



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-14-8

Lab ID: 1702276-27

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.3	1.0	1	B7F0293	06/13/2017	06/14/17 10:42	
Lead	2.0	1.0	1	B7F0293	06/13/2017	06/14/17 10:42	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
4,4'-DDE [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
4,4'-DDT	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 16:36	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:36	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 16:36	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 16:36	
Surrogate: Decachlorobiphenyl	52.0 %	27 - 123		B7F0243	06/12/2017	06/12/17 16:36	
Surrogate: Tetrachloro-m-xylene	77.9 %	26 - 108		B7F0243	06/12/2017	06/12/17 16:36	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-15-0/5

Lab ID: 1702276-29

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Arsenic	2.4	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Barium	63	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Beryllium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Cadmium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Chromium	18	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Cobalt	4.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Copper	11	2.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Lead	14	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Molybdenum	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Nickel	19	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Selenium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Silver	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Thallium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Vanadium	22	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	
Zinc	38	1.0	1	B7F0287	06/13/2017	06/14/17 10:21	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.16	0.10	1	B7F0289	06/13/2017	06/14/17 10:37	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0216	06/12/2017	06/12/17 18:37	
Surrogate: 4-Bromofluorobenzene	99.9 %	36 - 125		B7F0216	06/12/2017	06/12/17 18:37	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	58	10	1	B7F0246	06/12/2017	06/13/17 05:05	
ORO	160	10	1	B7F0246	06/12/2017	06/13/17 05:05	



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-15-0/5

Lab ID: 1702276-29

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	96.7 %	47 - 157		B7F0246	06/12/2017	06/13/17 05:05	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
4,4'-DDE [2C]	3.3	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
4,4'-DDT [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 16:47	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Dieldrin [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:47	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 16:47	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 16:47	
Surrogate: Decachlorobiphenyl	39.8 %	27 - 123		B7F0243	06/12/2017	06/12/17 16:47	
Surrogate: Tetrachloro- <i>m</i> -xylene	60.8 %	26 - 108		B7F0243	06/12/2017	06/12/17 16:47	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-16-0/5

Lab ID: 1702276-30

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Arsenic	1.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Barium	58	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Beryllium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Cadmium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Chromium	14	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Cobalt	4.2	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Copper	8.8	2.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Lead	2.5	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Molybdenum	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Nickel	11	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Selenium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Silver	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Thallium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Vanadium	18	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	
Zinc	32	1.0	1	B7F0287	06/13/2017	06/14/17 10:24	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KKK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.13	0.10	1	B7F0289	06/13/2017	06/14/17 10:50	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 12:28	
Surrogate: 4-Bromofluorobenzene	105 %	36 - 125		B7F0214	06/12/2017	06/12/17 12:28	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B7F0246	06/12/2017	06/13/17 03:25	
ORO	ND	10	1	B7F0246	06/12/2017	06/13/17 03:25	



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-16-0/5

Lab ID: 1702276-30

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	105 %	47 - 157		B7F0246	06/12/2017	06/13/17 03:25	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
4,4'-DDE [2C]	31	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
4,4'-DDT [2C]	2.3	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 16:57	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 16:57	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 16:57	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 16:57	
Surrogate: Decachlorobiphenyl	63.8 %	27 - 123		B7F0243	06/12/2017	06/12/17 16:57	
Surrogate: Tetrachloro- <i>m</i> -xylene	86.7 %	26 - 108		B7F0243	06/12/2017	06/12/17 16:57	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-17-0/5

Lab ID: 1702276-31

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Arsenic	2.1	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Barium	36	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Beryllium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Cadmium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Chromium	7.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Cobalt	2.8	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Copper	5.4	2.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Lead	2.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Molybdenum	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Nickel	4.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Selenium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Silver	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Thallium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Vanadium	15	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	
Zinc	22	1.0	1	B7F0287	06/13/2017	06/14/17 10:28	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0289	06/13/2017	06/14/17 10:52	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 12:46	
Surrogate: 4-Bromofluorobenzene	99.6 %	36 - 125		B7F0214	06/12/2017	06/12/17 12:46	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	69	10	1	B7F0246	06/12/2017	06/13/17 05:22	
ORO	190	10	1	B7F0246	06/12/2017	06/13/17 05:22	



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-17-0/5

Lab ID: 1702276-31

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	96.6 %	47 - 157		B7F0246	06/12/2017	06/13/17 05:22	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
4,4'-DDE [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
4,4'-DDT [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
alpha-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Chlordane [2C]	ND	8.5	1	B7F0243	06/12/2017	06/12/17 17:07	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:07	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 17:07	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 17:07	
Surrogate: Decachlorobiphenyl	36.3 %	27 - 123		B7F0243	06/12/2017	06/12/17 17:07	
Surrogate: Tetrachloro- <i>m</i> -xylene	49.9 %	26 - 108		B7F0243	06/12/2017	06/12/17 17:07	



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Client Sample ID SB-18-0/5

Lab ID: 1702276-32

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Arsenic	3.0	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Barium	74	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Beryllium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Cadmium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Chromium	13	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Cobalt	4.9	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Copper	10	2.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Lead	5.3	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Molybdenum	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Nickel	9.4	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Selenium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Silver	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Thallium	ND	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Vanadium	22	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	
Zinc	57	1.0	1	B7F0287	06/13/2017	06/14/17 10:29	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B7F0289	06/13/2017	06/14/17 10:55	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: VW

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B7F0214	06/12/2017	06/12/17 13:05	
Surrogate: 4-Bromofluorobenzene	101 %	36 - 125		B7F0214	06/12/2017	06/12/17 13:05	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	29	10	1	B7F0246	06/12/2017	06/13/17 03:41	
ORO	37	10	1	B7F0246	06/12/2017	06/13/17 03:41	



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Client Sample ID SB-18-0/5

Lab ID: 1702276-32

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	102 %	47 - 157		B7F0246	06/12/2017	06/13/17 03:41	

Organochlorine Pesticides by EPA 8081

Analyst: LT

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
4,4'-DDE [2C]	4.0	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
4,4'-DDT [2C]	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Aldrin	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
alpha-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
alpha-Chlordane [2C]	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
beta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Chlordane	ND	8.5	1	B7F0243	06/12/2017	06/12/17 17:18	
delta-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Dieldrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endosulfan I	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endosulfan II	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endosulfan sulfate	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endrin	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endrin aldehyde	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Endrin ketone	ND	2.0	1	B7F0243	06/12/2017	06/12/17 17:18	
gamma-BHC	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
gamma-Chlordane	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Heptachlor	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Heptachlor epoxide	ND	1.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Methoxychlor	ND	5.0	1	B7F0243	06/12/2017	06/12/17 17:18	
Toxaphene	ND	50	1	B7F0243	06/12/2017	06/12/17 17:18	
Surrogate: Decachlorobiphenyl	68.1 %	27 - 123		B7F0243	06/12/2017	06/12/17 17:18	
Surrogate: Tetrachloro- <i>m</i> -xylene	76.7 %	26 - 108		B7F0243	06/12/2017	06/12/17 17:18	



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QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0293 - EPA 3050B_S

Blank (B7F0293-BLK1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Arsenic	ND	1.0	0.70	
Lead	ND	1.0	0.19	

LCS (B7F0293-BS1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Arsenic	44.3044	1.0	0.70	50.0000	88.6	80 - 120
Lead	45.5609	1.0	0.19	50.0000	91.1	80 - 120

Matrix Spike (B7F0293-MS1)

Source: 1702276-18

Prepared: 6/13/2017 Analyzed: 6/14/2017

Arsenic	89.8702	1.0	0.70	125.000	1.38275	70.8	59 - 103
Lead	89.8886	1.0	0.19	125.000	2.67840	69.8	34 - 129

Matrix Spike Dup (B7F0293-MSD1)

Source: 1702276-18

Prepared: 6/13/2017 Analyzed: 6/14/2017

Arsenic	88.6266	1.0	0.70	125.000	1.38275	69.8	59 - 103	1.39	20
Lead	88.5353	1.0	0.19	125.000	2.67840	68.7	34 - 129	1.52	20



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Project Number : 185803925
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Reported : 06/19/2017

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0286 - EPA 3050B_S

Blank (B7F0286-BLK1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	ND	2.0	0.44
Arsenic	ND	1.0	0.70
Barium	ND	1.0	0.10
Beryllium	ND	1.0	0.04
Cadmium	ND	1.0	0.09
Chromium	ND	1.0	0.12
Cobalt	ND	1.0	0.10
Copper	ND	2.0	0.11
Lead	ND	1.0	0.19
Molybdenum	ND	1.0	0.13
Nickel	ND	1.0	0.10
Selenium	ND	1.0	0.88
Silver	ND	1.0	0.07
Thallium	ND	1.0	0.42
Vanadium	ND	1.0	0.19
Zinc	ND	1.0	0.18

LCS (B7F0286-BS1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	48.5315	2.0	0.44	50.0000	97.1	80 - 120
Arsenic	46.5848	1.0	0.70	50.0000	93.2	80 - 120
Barium	49.1668	1.0	0.10	50.0000	98.3	80 - 120
Beryllium	46.5775	1.0	0.04	50.0000	93.2	80 - 120
Cadmium	45.6097	1.0	0.09	50.0000	91.2	80 - 120
Chromium	49.2441	1.0	0.12	50.0000	98.5	80 - 120
Cobalt	48.4780	1.0	0.10	50.0000	97.0	80 - 120
Copper	49.1295	2.0	0.11	50.0000	98.3	80 - 120
Lead	47.4921	1.0	0.19	50.0000	95.0	80 - 120
Molybdenum	47.6734	1.0	0.13	50.0000	95.3	80 - 120
Nickel	46.9942	1.0	0.10	50.0000	94.0	80 - 120
Selenium	43.7182	1.0	0.88	50.0000	87.4	80 - 120
Silver	46.1354	1.0	0.07	50.0000	92.3	80 - 120
Thallium	48.6264	1.0	0.42	50.0000	97.3	80 - 120
Vanadium	48.5164	1.0	0.19	50.0000	97.0	80 - 120
Zinc	44.1298	1.0	0.18	50.0000	88.3	80 - 120

Matrix Spike (B7F0286-MS1)

Source: 1702276-01

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	80.3898	2.0	0.44	125.000	ND	64.3	34 - 103
Arsenic	96.9158	1.0	0.70	125.000	2.40610	75.6	59 - 103
Barium	152.415	1.0	0.10	125.000	62.8543	71.6	30 - 134
Beryllium	95.6685	1.0	0.04	125.000	ND	76.5	62 - 105
Cadmium	91.1488	1.0	0.09	125.000	0.560933	72.5	53 - 102
Chromium	110.070	1.0	0.12	125.000	12.2409	78.3	51 - 111



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Project Number : 185803925
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Reported : 06/19/2017

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0286 - EPA 3050B_S (continued)

Matrix Spike (B7F0286-MS1) - Continued

Source: 1702276-01

Prepared: 6/13/2017 Analyzed: 6/14/2017

Cobalt	97.2742	1.0	0.10	125.000	4.36798	74.3	55 - 105			
Copper	109.360	2.0	0.11	125.000	10.2923	79.3	53 - 126			
Lead	107.097	1.0	0.19	125.000	14.8144	73.8	34 - 129			
Molybdenum	94.4264	1.0	0.13	125.000	0.415835	75.2	57 - 105			
Nickel	101.640	1.0	0.10	125.000	9.54514	73.7	49 - 109			
Selenium	90.4636	1.0	0.88	125.000	ND	72.4	57 - 99			
Silver	94.8103	1.0	0.07	125.000	ND	75.8	64 - 105			
Thallium	87.6687	1.0	0.42	125.000	ND	70.1	46 - 105			
Vanadium	116.777	1.0	0.19	125.000	20.7135	76.9	60 - 109			
Zinc	123.452	1.0	0.18	125.000	35.4546	70.4	29 - 122			

Matrix Spike Dup (B7F0286-MSD1)

Source: 1702276-01

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	83.0764	2.0	0.44	125.000	ND	66.5	34 - 103	3.29	20	
Arsenic	100.501	1.0	0.70	125.000	2.40610	78.5	59 - 103	3.63	20	
Barium	157.932	1.0	0.10	125.000	62.8543	76.1	30 - 134	3.56	20	
Beryllium	99.3410	1.0	0.04	125.000	ND	79.5	62 - 105	3.77	20	
Cadmium	93.2142	1.0	0.09	125.000	0.560933	74.1	53 - 102	2.24	20	
Chromium	112.919	1.0	0.12	125.000	12.2409	80.5	51 - 111	2.56	20	
Cobalt	99.5042	1.0	0.10	125.000	4.36798	76.1	55 - 105	2.27	20	
Copper	113.362	2.0	0.11	125.000	10.2923	82.5	53 - 126	3.59	20	
Lead	116.332	1.0	0.19	125.000	14.8144	81.2	34 - 129	8.27	20	
Molybdenum	97.8662	1.0	0.13	125.000	0.415835	78.0	57 - 105	3.58	20	
Nickel	103.278	1.0	0.10	125.000	9.54514	75.0	49 - 109	1.60	20	
Selenium	92.8060	1.0	0.88	125.000	ND	74.2	57 - 99	2.56	20	
Silver	97.5760	1.0	0.07	125.000	ND	78.1	64 - 105	2.88	20	
Thallium	90.6868	1.0	0.42	125.000	ND	72.5	46 - 105	3.38	20	
Vanadium	119.788	1.0	0.19	125.000	20.7135	79.3	60 - 109	2.55	20	
Zinc	125.228	1.0	0.18	125.000	35.4546	71.8	29 - 122	1.43	20	



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Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0287 - EPA 3050B_S

Blank (B7F0287-BLK1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	ND	2.0	0.44
Arsenic	ND	1.0	0.70
Barium	ND	1.0	0.10
Beryllium	ND	1.0	0.04
Cadmium	ND	1.0	0.09
Chromium	ND	1.0	0.12
Cobalt	ND	1.0	0.10
Copper	ND	2.0	0.11
Lead	ND	1.0	0.19
Molybdenum	ND	1.0	0.13
Nickel	ND	1.0	0.10
Selenium	ND	1.0	0.88
Silver	ND	1.0	0.07
Thallium	ND	1.0	0.42
Vanadium	ND	1.0	0.19
Zinc	ND	1.0	0.18

LCS (B7F0287-BS1)

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	48.2281	2.0	0.44	50.0000	96.5	80 - 120
Arsenic	45.5679	1.0	0.70	50.0000	91.1	80 - 120
Barium	49.9092	1.0	0.10	50.0000	99.8	80 - 120
Beryllium	46.4505	1.0	0.04	50.0000	92.9	80 - 120
Cadmium	46.1938	1.0	0.09	50.0000	92.4	80 - 120
Chromium	49.7435	1.0	0.12	50.0000	99.5	80 - 120
Cobalt	48.6742	1.0	0.10	50.0000	97.3	80 - 120
Copper	49.3749	2.0	0.11	50.0000	98.7	80 - 120
Lead	47.0237	1.0	0.19	50.0000	94.0	80 - 120
Molybdenum	47.4226	1.0	0.13	50.0000	94.8	80 - 120
Nickel	47.3358	1.0	0.10	50.0000	94.7	80 - 120
Selenium	44.0035	1.0	0.88	50.0000	88.0	80 - 120
Silver	46.1329	1.0	0.07	50.0000	92.3	80 - 120
Thallium	48.3606	1.0	0.42	50.0000	96.7	80 - 120
Vanadium	48.8579	1.0	0.19	50.0000	97.7	80 - 120
Zinc	44.5734	1.0	0.18	50.0000	89.1	80 - 120

Matrix Spike (B7F0287-MS1)

Source: 1702276-29

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	80.0548	2.0	0.44	125.000	ND	64.0	34 - 103
Arsenic	97.9856	1.0	0.70	125.000	2.36069	76.5	59 - 103
Barium	155.610	1.0	0.10	125.000	62.9240	74.1	30 - 134
Beryllium	97.4765	1.0	0.04	125.000	ND	78.0	62 - 105
Cadmium	92.3519	1.0	0.09	125.000	0.324875	73.6	53 - 102
Chromium	121.154	1.0	0.12	125.000	18.3098	82.3	51 - 111



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Redlands, CA 92374

Project Number : 185803925
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Reported : 06/19/2017

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0287 - EPA 3050B_S (continued)

Matrix Spike (B7F0287-MS1) - Continued

Source: 1702276-29

Prepared: 6/13/2017 Analyzed: 6/14/2017

Cobalt	97.8887	1.0	0.10	125.000	4.93853	74.4	55 - 105			
Copper	113.107	2.0	0.11	125.000	11.3550	81.4	53 - 126			
Lead	105.972	1.0	0.19	125.000	13.7832	73.8	34 - 129			
Molybdenum	95.8430	1.0	0.13	125.000	0.644860	76.2	57 - 105			
Nickel	111.359	1.0	0.10	125.000	18.6188	74.2	49 - 109			
Selenium	92.1262	1.0	0.88	125.000	ND	73.7	57 - 99			
Silver	97.9328	1.0	0.07	125.000	ND	78.3	64 - 105			
Thallium	88.8768	1.0	0.42	125.000	ND	71.1	46 - 105			
Vanadium	121.062	1.0	0.19	125.000	22.1227	79.2	60 - 109			
Zinc	124.969	1.0	0.18	125.000	37.6639	69.8	29 - 122			

Matrix Spike Dup (B7F0287-MSD1)

Source: 1702276-29

Prepared: 6/13/2017 Analyzed: 6/14/2017

Antimony	81.0790	2.0	0.44	125.000	ND	64.9	34 - 103	1.27	20	
Arsenic	96.7275	1.0	0.70	125.000	2.36069	75.5	59 - 103	1.29	20	
Barium	151.372	1.0	0.10	125.000	62.9240	70.8	30 - 134	2.76	20	
Beryllium	96.8450	1.0	0.04	125.000	ND	77.5	62 - 105	0.650	20	
Cadmium	91.8434	1.0	0.09	125.000	0.324875	73.2	53 - 102	0.552	20	
Chromium	118.960	1.0	0.12	125.000	18.3098	80.5	51 - 111	1.83	20	
Cobalt	98.1996	1.0	0.10	125.000	4.93853	74.6	55 - 105	0.317	20	
Copper	111.236	2.0	0.11	125.000	11.3550	79.9	53 - 126	1.67	20	
Lead	106.317	1.0	0.19	125.000	13.7832	74.0	34 - 129	0.326	20	
Molybdenum	95.6100	1.0	0.13	125.000	0.644860	76.0	57 - 105	0.243	20	
Nickel	109.457	1.0	0.10	125.000	18.6188	72.7	49 - 109	1.72	20	
Selenium	90.4389	1.0	0.88	125.000	ND	72.4	57 - 99	1.85	20	
Silver	96.1720	1.0	0.07	125.000	ND	76.9	64 - 105	1.81	20	
Thallium	88.5295	1.0	0.42	125.000	ND	70.8	46 - 105	0.392	20	
Vanadium	119.545	1.0	0.19	125.000	22.1227	77.9	60 - 109	1.26	20	
Zinc	125.675	1.0	0.18	125.000	37.6639	70.4	29 - 122	0.564	20	



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0288 - EPA 7471_S										
Blank (B7F0288-BLK1)					Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	ND	0.10	0.005							
LCS (B7F0288-BS1)					Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.858339	0.10	0.005	0.833333		103	80 - 120			
Matrix Spike (B7F0288-MS1)					Source: 1702276-01 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.942755	0.10	0.005	0.833333	0.027133	110	70 - 130			
Matrix Spike Dup (B7F0288-MSD1)					Source: 1702276-01 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.934083	0.10	0.005	0.833333	0.027133	109	70 - 130	0.924	20	
Post Spike (B7F0288-PS1)					Source: 1702276-01 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.006107			5.00000E-3	0.000326	116	85 - 115			MI



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Project Number : 185803925
Report To : Dion Monge
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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0289 - EPA 7471_S										
Blank (B7F0289-BLK1)					Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	ND	0.10	0.005							
LCS (B7F0289-BS1)					Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.899215	0.10	0.005	0.833333		108	80 - 120			
Matrix Spike (B7F0289-MS1)					Source: 1702276-29 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	1.12482	0.10	0.005	0.833333	0.156654	116	70 - 130			
Matrix Spike Dup (B7F0289-MSD1)					Source: 1702276-29 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	1.05094	0.10	0.005	0.833333	0.156654	107	70 - 130	6.79	20	
Post Spike (B7F0289-PS1)					Source: 1702276-29 Prepared: 6/13/2017 Analyzed: 6/14/2017					
Mercury	0.007996			5.00000E-3	0.001880	122	85 - 115			MI



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0214 - GCVOA_S									
Blank (B7F0214-BLK1)					Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	ND	1.0	0.20						
Surrogate: 4-Bromofluorobenzene	0.1865			0.200000		93.2	36 - 125		
LCS (B7F0214-BS1)					Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	3.57900	1.0	0.20	5.00000		71.6	70 - 130		
Surrogate: 4-Bromofluorobenzene	0.1983			0.200000		99.1	36 - 125		
Matrix Spike (B7F0214-MS1)					Source: 1702276-01 Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	4.30300	1.0	0.20	5.00000	ND	86.1	32 - 161		
Surrogate: 4-Bromofluorobenzene	0.2044			0.200000		102	36 - 125		
Matrix Spike Dup (B7F0214-MSD1)					Source: 1702276-01 Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	3.70300	1.0	0.20	5.00000	ND	74.1	32 - 161	15.0	20
Surrogate: 4-Bromofluorobenzene	0.1885			0.200000		94.3	36 - 125		



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0216 - GCVOA_S									
Blank (B7F0216-BLK1)					Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	ND	1.0	0.20						
Surrogate: 4-Bromofluorobenzene	0.1918			0.200000		95.9	36 - 125		
LCS (B7F0216-BS1)					Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	4.76700	1.0	0.20	5.00000		95.3	70 - 130		
Surrogate: 4-Bromofluorobenzene	0.1932			0.200000		96.6	36 - 125		
Matrix Spike (B7F0216-MS1)					Source: 1702276-13 Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	4.34100	1.0	0.20	5.00000	ND	86.8	32 - 161		
Surrogate: 4-Bromofluorobenzene	0.1972			0.200000		98.6	36 - 125		
Matrix Spike Dup (B7F0216-MSD1)					Source: 1702276-13 Prepared: 6/12/2017 Analyzed: 6/12/2017				
Gasoline Range Organics	4.06000	1.0	0.20	5.00000	ND	81.2	32 - 161	6.69	20
Surrogate: 4-Bromofluorobenzene	0.2025			0.200000		101	36 - 125		



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Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0246 - GCSEMI_DRO_S									
Blank (B7F0246-BLK1)					Prepared: 6/12/2017 Analyzed: 6/13/2017				
DRO	ND	10	10						
ORO	ND	10	10						
<i>Surrogate: p-Terphenyl</i>	87.40			80.0000		109	47 - 157		
LCS (B7F0246-BS1)					Prepared: 6/12/2017 Analyzed: 6/13/2017				
DRO	1119.99	10	10	1000.00		112	36 - 164		
<i>Surrogate: p-Terphenyl</i>	82.32			80.0000		103	47 - 157		
Matrix Spike (B7F0246-MS1)					Source: 1702276-32 Prepared: 6/12/2017 Analyzed: 6/13/2017				
DRO	1091.38	10	10	1000.00	28.9100	106	21 - 179		
<i>Surrogate: p-Terphenyl</i>	82.33			80.0000		103	47 - 157		
Matrix Spike Dup (B7F0246-MSD1)					Source: 1702276-32 Prepared: 6/12/2017 Analyzed: 6/13/2017				
DRO	1102.06	10	10	1000.00	28.9100	107	21 - 179	0.974	20
<i>Surrogate: p-Terphenyl</i>	82.51			80.0000		103	47 - 157		



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0247 - GCSEMI_DRO_S										
Blank (B7F0247-BLK1)					Prepared: 6/12/2017 Analyzed: 6/13/2017					
DRO	ND	10	10							
ORO	ND	10	10							
<i>Surrogate: p-Terphenyl</i>	90.60			80.0000		113	47 - 157			
LCS (B7F0247-BS1)					Prepared: 6/12/2017 Analyzed: 6/15/2017					
DRO	1273.07	10	10	1000.00		127	36 - 164			
<i>Surrogate: p-Terphenyl</i>	105.7			80.0000		132	47 - 157			
Matrix Spike (B7F0247-MS1)					Source: 1702276-17		Prepared: 6/12/2017 Analyzed: 6/16/2017			
DRO	1250.94	10	10	1000.00	36.7700	121	21 - 179			
<i>Surrogate: p-Terphenyl</i>	91.25			80.0000		114	47 - 157			
Matrix Spike Dup (B7F0247-MSD1)					Source: 1702276-17		Prepared: 6/12/2017 Analyzed: 6/16/2017			
DRO	1283.37	10	10	1000.00	36.7700	125	21 - 179	2.56	20	
<i>Surrogate: p-Terphenyl</i>	91.99			80.0000		115	47 - 157			



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25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0243 - GCSEMI_PCB/PEST_S

Blank (B7F0243-BLK1)

Prepared: 6/12/2017 Analyzed: 6/12/2017

4,4'-DDD	ND	2.0	0.22
4,4'-DDD [2C]	ND	2.0	0.22
4,4'-DDE	ND	2.0	0.20
4,4'-DDE [2C]	ND	2.0	0.20
4,4'-DDT	ND	2.0	0.13
4,4'-DDT [2C]	ND	2.0	0.13
Aldrin	ND	1.0	0.27
Aldrin [2C]	ND	1.0	0.27
alpha-BHC	ND	1.0	0.20
alpha-BHC [2C]	ND	1.0	0.20
alpha-Chlordane	ND	1.0	0.21
alpha-Chlordane [2C]	ND	1.0	0.21
beta-BHC	ND	1.0	0.23
beta-BHC [2C]	ND	1.0	0.23
Chlordane	ND	8.5	0.90
Chlordane [2C]	ND	8.5	0.90
delta-BHC	ND	1.0	0.21
delta-BHC [2C]	ND	1.0	0.21
Dieldrin	ND	2.0	0.25
Dieldrin [2C]	ND	2.0	0.25
Endosulfan I	ND	1.0	0.21
Endosulfan I [2C]	ND	1.0	0.21
Endosulfan II	ND	2.0	0.22
Endosulfan II [2C]	ND	2.0	0.22
Endosulfan sulfate	ND	2.0	0.21
Endosulfan Sulfate [2C]	ND	2.0	0.21
Endrin	ND	2.0	0.23
Endrin [2C]	ND	2.0	0.23
Endrin aldehyde	ND	2.0	0.28
Endrin aldehyde [2C]	ND	2.0	0.28
Endrin ketone	ND	2.0	0.20
Endrin ketone [2C]	ND	2.0	0.20
gamma-BHC	ND	1.0	0.20
gamma-BHC [2C]	ND	1.0	0.20
gamma-Chlordane	ND	1.0	0.23
gamma-Chlordane [2C]	ND	1.0	0.23
Heptachlor	ND	1.0	0.19
Heptachlor [2C]	ND	1.0	0.19
Heptachlor epoxide	ND	1.0	0.20
Heptachlor epoxide [2C]	ND	1.0	0.20
Methoxychlor	ND	5.0	0.18



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25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
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Reported : 06/19/2017

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0243 - GCSEMI_PCB/PEST_S (continued)

Blank (B7F0243-BLK1) - Continued

Prepared: 6/12/2017 Analyzed: 6/12/2017

Methoxychlor [2C]	ND	5.0	0.18
Toxaphene	ND	50	8.2
Toxaphene [2C]	ND	50	8.2

Surrogate: Decachlorobiphenyl	12.34		16.6667	74.0	27 - 123
Surrogate: Decachlorobiphenyl [	13.69		16.6667	82.2	27 - 123
Surrogate: Tetrachloro-m-xylene	14.84		16.6667	89.1	26 - 108
Surrogate: Tetrachloro-m-xylene	15.31		16.6667	91.9	26 - 108

LCS (B7F0243-BS1)

Prepared: 6/12/2017 Analyzed: 6/12/2017

4,4'-DDD	17.3232	2.0	0.22	16.6667	104	53 - 125
4,4'-DDD [2C]	17.6807	2.0	0.22	16.6667	106	53 - 125
4,4'-DDE	17.7300	2.0	0.20	16.6667	106	54 - 113
4,4'-DDE [2C]	17.5553	2.0	0.20	16.6667	105	54 - 113
4,4'-DDT	10.7653	2.0	0.13	16.6667	64.6	25 - 127
4,4'-DDT [2C]	13.6248	2.0	0.13	16.6667	81.7	25 - 127
Aldrin	16.1833	1.0	0.27	16.6667	97.1	59 - 107
Aldrin [2C]	16.4197	1.0	0.27	16.6667	98.5	59 - 107
alpha-BHC	14.5937	1.0	0.20	16.6667	87.6	59 - 104
alpha-BHC [2C]	15.2742	1.0	0.20	16.6667	91.6	59 - 104
alpha-Chlordane	16.6518	1.0	0.21	16.6667	99.9	54 - 110
alpha-Chlordane [2C]	16.4950	1.0	0.21	16.6667	99.0	54 - 110
beta-BHC	15.9095	1.0	0.23	16.6667	95.5	57 - 103
beta-BHC [2C]	16.4108	1.0	0.23	16.6667	98.5	57 - 103
delta-BHC	11.8502	1.0	0.21	16.6667	71.1	16 - 120
delta-BHC [2C]	12.1468	1.0	0.21	16.6667	72.9	16 - 120
Dieldrin	16.3075	2.0	0.25	16.6667	97.8	61 - 109
Dieldrin [2C]	15.8708	2.0	0.25	16.6667	95.2	61 - 109
Endosulfan I	16.2432	1.0	0.21	16.6667	97.5	60 - 106
Endosulfan I [2C]	15.9147	1.0	0.21	16.6667	95.5	60 - 106
Endosulfan II	17.5988	2.0	0.22	16.6667	106	59 - 108
Endosulfan II [2C]	16.5050	2.0	0.22	16.6667	99.0	59 - 108
Endosulfan sulfate	13.4938	2.0	0.21	16.6667	81.0	54 - 110
Endosulfan Sulfate [2C]	13.6553	2.0	0.21	16.6667	81.9	54 - 110
Endrin	17.8897	2.0	0.23	16.6667	107	63 - 112
Endrin [2C]	18.1848	2.0	0.23	16.6667	109	63 - 112
Endrin aldehyde	16.0563	2.0	0.28	16.6667	96.3	64 - 119
Endrin aldehyde [2C]	14.2475	2.0	0.28	16.6667	85.5	64 - 119
Endrin ketone	11.2160	2.0	0.20	16.6667	67.3	54 - 115
Endrin ketone [2C]	12.7282	2.0	0.20	16.6667	76.4	54 - 115
gamma-BHC	14.7352	1.0	0.20	16.6667	88.4	60 - 107
gamma-BHC [2C]	15.2902	1.0	0.20	16.6667	91.7	60 - 107



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
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Reported : 06/19/2017

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0243 - GCSEMI_PCB/PEST_S (continued)

LCS (B7F0243-BS1) - Continued

Prepared: 6/12/2017 Analyzed: 6/12/2017

gamma-Chlordane	16.2743	1.0	0.23	16.6667		97.6	57 - 106			
gamma-Chlordane [2C]	15.9460	1.0	0.23	16.6667		95.7	57 - 106			
Heptachlor	14.6732	1.0	0.19	16.6667		88.0	54 - 114			
Heptachlor [2C]	15.5408	1.0	0.19	16.6667		93.2	54 - 114			
Heptachlor epoxide	15.0960	1.0	0.20	16.6667		90.6	61 - 106			
Heptachlor epoxide [2C]	15.4248	1.0	0.20	16.6667		92.5	61 - 106			
Methoxychlor	15.4585	5.0	0.18	16.6667		92.8	18 - 138			
Methoxychlor [2C]	16.2315	5.0	0.18	16.6667		97.4	18 - 138			
Surrogate: Decachlorobiphenyl	14.23			16.6667		85.4	27 - 123			
Surrogate: Decachlorobiphenyl [	15.42			16.6667		92.5	27 - 123			
Surrogate: Tetrachloro-m-xylene	15.78			16.6667		94.7	26 - 108			
Surrogate: Tetrachloro-m-xylene	17.51			16.6667		105	26 - 108			

Matrix Spike (B7F0243-MS1)

Source: 1702276-18

Prepared: 6/12/2017 Analyzed: 6/12/2017

4,4'-DDD	15.2935	2.0	0.22	16.6667	ND	91.8	25 - 141			
4,4'-DDD [2C]	15.5055	2.0	0.22	16.6667	ND	93.0	25 - 141			
4,4'-DDE	15.4892	2.0	0.20	16.6667	ND	92.9	22 - 141			
4,4'-DDE [2C]	15.0275	2.0	0.20	16.6667	ND	90.2	22 - 141			
4,4'-DDT	9.26767	2.0	0.13	16.6667	ND	55.6	15 - 136			
4,4'-DDT [2C]	12.6005	2.0	0.13	16.6667	ND	75.6	15 - 136			
Aldrin	13.8010	1.0	0.27	16.6667	ND	82.8	33 - 118			
Aldrin [2C]	14.1833	1.0	0.27	16.6667	ND	85.1	33 - 118			
alpha-BHC	12.8352	1.0	0.20	16.6667	ND	77.0	30 - 116			
alpha-BHC [2C]	13.8425	1.0	0.20	16.6667	ND	83.1	30 - 116			
alpha-Chlordane	14.8940	1.0	0.21	16.6667	ND	89.4	30 - 123			
alpha-Chlordane [2C]	14.3613	1.0	0.21	16.6667	ND	86.2	30 - 123			
beta-BHC	14.2168	1.0	0.23	16.6667	ND	85.3	24 - 121			
beta-BHC [2C]	15.0873	1.0	0.23	16.6667	ND	90.5	24 - 121			
delta-BHC	10.7267	1.0	0.21	16.6667	ND	64.4	7 - 120			
delta-BHC [2C]	10.8662	1.0	0.21	16.6667	ND	65.2	7 - 120			
Dieldrin	14.5430	2.0	0.25	16.6667	ND	87.3	25 - 136			
Dieldrin [2C]	13.9760	2.0	0.25	16.6667	ND	83.9	25 - 136			
Endosulfan I	14.5618	1.0	0.21	16.6667	ND	87.4	18 - 134			
Endosulfan I [2C]	13.7917	1.0	0.21	16.6667	ND	82.8	18 - 134			
Endosulfan II	15.9263	2.0	0.22	16.6667	ND	95.6	28 - 128			
Endosulfan II [2C]	14.5675	2.0	0.22	16.6667	ND	87.4	28 - 128			
Endosulfan sulfate	11.2758	2.0	0.21	16.6667	ND	67.7	5 - 145			
Endosulfan Sulfate [2C]	11.0543	2.0	0.21	16.6667	ND	66.3	5 - 145			
Endrin	15.9652	2.0	0.23	16.6667	ND	95.8	26 - 142			
Endrin [2C]	16.1632	2.0	0.23	16.6667	ND	97.0	26 - 142			
Endrin aldehyde	14.3260	2.0	0.28	16.6667	ND	86.0	8 - 146			



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0243 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B7F0243-MS1) - Continued

Source: 1702276-18

Prepared: 6/12/2017 Analyzed: 6/12/2017

Endrin aldehyde [2C]	9.67767	2.0	0.28	16.6667	ND	58.1	8 - 146			
Endrin ketone	9.93217	2.0	0.20	16.6667	ND	59.6	16 - 139			
Endrin ketone [2C]	10.7312	2.0	0.20	16.6667	ND	64.4	16 - 139			
gamma-BHC	12.9998	1.0	0.20	16.6667	ND	78.0	30 - 122			
gamma-BHC [2C]	13.5520	1.0	0.20	16.6667	ND	81.3	30 - 122			
gamma-Chlordane	14.4348	1.0	0.23	16.6667	ND	86.6	18 - 132			
gamma-Chlordane [2C]	13.9257	1.0	0.23	16.6667	ND	83.6	18 - 132			
Heptachlor	12.9925	1.0	0.19	16.6667	ND	78.0	34 - 122			
Heptachlor [2C]	13.5953	1.0	0.19	16.6667	ND	81.6	34 - 122			
Heptachlor epoxide	13.3687	1.0	0.20	16.6667	ND	80.2	21 - 135			
Heptachlor epoxide [2C]	13.6113	1.0	0.20	16.6667	ND	81.7	21 - 135			
Methoxychlor	12.2338	5.0	0.18	16.6667	ND	73.4	8 - 162			
Methoxychlor [2C]	13.5873	5.0	0.18	16.6667	ND	81.5	8 - 162			
Surrogate: Decachlorobiphenyl	11.78			16.6667		70.7	27 - 123			
Surrogate: Decachlorobiphenyl [	13.29			16.6667		79.7	27 - 123			
Surrogate: Tetrachloro-m-xylene	12.44			16.6667		74.7	26 - 108			
Surrogate: Tetrachloro-m-xylene	15.30			16.6667		91.8	26 - 108			

Matrix Spike Dup (B7F0243-MSD1)

Source: 1702276-18

Prepared: 6/12/2017 Analyzed: 6/12/2017

4,4'-DDD	13.7067	2.0	0.22	16.6667	ND	82.2	25 - 141	10.9	20	
4,4'-DDD [2C]	14.3795	2.0	0.22	16.6667	ND	86.3	25 - 141	7.54	20	
4,4'-DDE	14.3647	2.0	0.20	16.6667	ND	86.2	22 - 141	7.53	20	
4,4'-DDE [2C]	13.9580	2.0	0.20	16.6667	ND	83.7	22 - 141	7.38	20	
4,4'-DDT	8.94633	2.0	0.13	16.6667	ND	53.7	15 - 136	3.53	20	
4,4'-DDT [2C]	11.7207	2.0	0.13	16.6667	ND	70.3	15 - 136	7.24	20	
Aldrin	12.9442	1.0	0.27	16.6667	ND	77.7	33 - 118	6.41	20	
Aldrin [2C]	13.3087	1.0	0.27	16.6667	ND	79.9	33 - 118	6.36	20	
alpha-BHC	11.7448	1.0	0.20	16.6667	ND	70.5	30 - 116	8.87	20	
alpha-BHC [2C]	12.2775	1.0	0.20	16.6667	ND	73.7	30 - 116	12.0	20	
alpha-Chlordane	13.8633	1.0	0.21	16.6667	ND	83.2	30 - 123	7.17	20	
alpha-Chlordane [2C]	13.5223	1.0	0.21	16.6667	ND	81.1	30 - 123	6.02	20	
beta-BHC	13.3040	1.0	0.23	16.6667	ND	79.8	24 - 121	6.63	20	
beta-BHC [2C]	13.5907	1.0	0.23	16.6667	ND	81.5	24 - 121	10.4	20	
delta-BHC	9.97400	1.0	0.21	16.6667	ND	59.8	7 - 120	7.27	20	
delta-BHC [2C]	10.0602	1.0	0.21	16.6667	ND	60.4	7 - 120	7.70	20	
Dieldrin	13.4203	2.0	0.25	16.6667	ND	80.5	25 - 136	8.03	20	
Dieldrin [2C]	13.1230	2.0	0.25	16.6667	ND	78.7	25 - 136	6.30	20	
Endosulfan I	13.4702	1.0	0.21	16.6667	ND	80.8	18 - 134	7.79	20	
Endosulfan I [2C]	12.9200	1.0	0.21	16.6667	ND	77.5	18 - 134	6.53	20	
Endosulfan II	13.5900	2.0	0.22	16.6667	ND	81.5	28 - 128	15.8	20	
Endosulfan II [2C]	13.5892	2.0	0.22	16.6667	ND	81.5	28 - 128	6.95	20	



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0243 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B7F0243-MSD1) - Continued

Source: 1702276-18

Prepared: 6/12/2017 Analyzed: 6/12/2017

Endosulfan sulfate	10.3343	2.0	0.21	16.6667	ND	62.0	5 - 145	8.71	20	
Endosulfan Sulfate [2C]	10.4770	2.0	0.21	16.6667	ND	62.9	5 - 145	5.36	20	
Endrin	14.4752	2.0	0.23	16.6667	ND	86.9	26 - 142	9.79	20	
Endrin [2C]	15.0783	2.0	0.23	16.6667	ND	90.5	26 - 142	6.94	20	
Endrin aldehyde	13.2512	2.0	0.28	16.6667	ND	79.5	8 - 146	7.80	20	
Endrin aldehyde [2C]	9.27617	2.0	0.28	16.6667	ND	55.7	8 - 146	4.24	20	
Endrin ketone	9.06983	2.0	0.20	16.6667	ND	54.4	16 - 139	9.08	20	
Endrin ketone [2C]	9.89233	2.0	0.20	16.6667	ND	59.4	16 - 139	8.13	20	
gamma-BHC	11.9062	1.0	0.20	16.6667	ND	71.4	30 - 122	8.78	20	
gamma-BHC [2C]	12.2207	1.0	0.20	16.6667	ND	73.3	30 - 122	10.3	20	
gamma-Chlordane	13.4643	1.0	0.23	16.6667	ND	80.8	18 - 132	6.96	20	
gamma-Chlordane [2C]	13.1933	1.0	0.23	16.6667	ND	79.2	18 - 132	5.40	20	
Heptachlor	12.1032	1.0	0.19	16.6667	ND	72.6	34 - 122	7.09	20	
Heptachlor [2C]	12.7045	1.0	0.19	16.6667	ND	76.2	34 - 122	6.77	20	
Heptachlor epoxide	12.4153	1.0	0.20	16.6667	ND	74.5	21 - 135	7.39	20	
Heptachlor epoxide [2C]	12.8965	1.0	0.20	16.6667	ND	77.4	21 - 135	5.39	20	
Methoxychlor	11.3527	5.0	0.18	16.6667	ND	68.1	8 - 162	7.47	20	
Methoxychlor [2C]	13.0847	5.0	0.18	16.6667	ND	78.5	8 - 162	3.77	20	
Surrogate: Decachlorobiphenyl	10.38			16.6667		62.3	27 - 123			
Surrogate: Decachlorobiphenyl [	12.31			16.6667		73.8	27 - 123			
Surrogate: Tetrachloro-m-xylene	9.749			16.6667		58.5	26 - 108			
Surrogate: Tetrachloro-m-xylene	12.02			16.6667		72.1	26 - 108			



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25864-F Business Center Drive
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Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0254 - GCSEMI_PCB/PEST_S

Blank (B7F0254-BLK1)

Prepared: 6/12/2017 Analyzed: 6/13/2017

4,4'-DDD	ND	2.0	0.22
4,4'-DDD [2C]	ND	2.0	0.22
4,4'-DDE	ND	2.0	0.20
4,4'-DDE [2C]	ND	2.0	0.20
4,4'-DDT	ND	2.0	0.13
4,4'-DDT [2C]	ND	2.0	0.13
Aldrin	ND	1.0	0.27
Aldrin [2C]	ND	1.0	0.27
alpha-BHC	ND	1.0	0.20
alpha-BHC [2C]	ND	1.0	0.20
alpha-Chlordane	ND	1.0	0.21
alpha-Chlordane [2C]	ND	1.0	0.21
beta-BHC	ND	1.0	0.23
beta-BHC [2C]	ND	1.0	0.23
Chlordane	ND	8.5	0.90
Chlordane [2C]	ND	8.5	0.90
delta-BHC	ND	1.0	0.21
delta-BHC [2C]	ND	1.0	0.21
Dieldrin	ND	2.0	0.25
Dieldrin [2C]	ND	2.0	0.25
Endosulfan I	ND	1.0	0.21
Endosulfan I [2C]	ND	1.0	0.21
Endosulfan II	ND	2.0	0.22
Endosulfan II [2C]	ND	2.0	0.22
Endosulfan sulfate	ND	2.0	0.21
Endosulfan Sulfate [2C]	ND	2.0	0.21
Endrin	ND	2.0	0.23
Endrin [2C]	ND	2.0	0.23
Endrin aldehyde	ND	2.0	0.28
Endrin aldehyde [2C]	ND	2.0	0.28
Endrin ketone	ND	2.0	0.20
Endrin ketone [2C]	ND	2.0	0.20
gamma-BHC	ND	1.0	0.20
gamma-BHC [2C]	ND	1.0	0.20
gamma-Chlordane	ND	1.0	0.23
gamma-Chlordane [2C]	ND	1.0	0.23
Heptachlor	ND	1.0	0.19
Heptachlor [2C]	ND	1.0	0.19
Heptachlor epoxide	ND	1.0	0.20
Heptachlor epoxide [2C]	ND	1.0	0.20
Methoxychlor	ND	5.0	0.18



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25864-F Business Center Drive
Redlands, CA 92374

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0254 - GCSEMI_PCB/PEST_S (continued)

Blank (B7F0254-BLK1) - Continued

Prepared: 6/12/2017 Analyzed: 6/13/2017

Methoxychlor [2C]	ND	5.0	0.18
Toxaphene	ND	50	8.2
Toxaphene [2C]	ND	50	8.2

Surrogate: Decachlorobiphenyl	13.06		16.6667	78.4	27 - 123
Surrogate: Decachlorobiphenyl [	15.11		16.6667	90.7	27 - 123
Surrogate: Tetrachloro-m-xylene	15.77		16.6667	94.6	26 - 108
Surrogate: Tetrachloro-m-xylene	16.37		16.6667	98.2	26 - 108

LCS (B7F0254-BS1)

Prepared: 6/12/2017 Analyzed: 6/13/2017

4,4'-DDD	20.2598	2.0	0.22	16.6667	122	53 - 125	
4,4'-DDD [2C]	20.6890	2.0	0.22	16.6667	124	53 - 125	
4,4'-DDE	20.0855	2.0	0.20	16.6667	121	54 - 113	L3
4,4'-DDE [2C]	20.1687	2.0	0.20	16.6667	121	54 - 113	L3
4,4'-DDT	14.3037	2.0	0.13	16.6667	85.8	25 - 127	
4,4'-DDT [2C]	17.4095	2.0	0.13	16.6667	104	25 - 127	
Aldrin	18.4388	1.0	0.27	16.6667	111	59 - 107	L3
Aldrin [2C]	18.9823	1.0	0.27	16.6667	114	59 - 107	L3
alpha-BHC	17.2162	1.0	0.20	16.6667	103	59 - 104	
alpha-BHC [2C]	17.9453	1.0	0.20	16.6667	108	59 - 104	L3
alpha-Chlordane	19.2723	1.0	0.21	16.6667	116	54 - 110	L3
alpha-Chlordane [2C]	19.3580	1.0	0.21	16.6667	116	54 - 110	L3
beta-BHC	17.7813	1.0	0.23	16.6667	107	57 - 103	L3
beta-BHC [2C]	18.6223	1.0	0.23	16.6667	112	57 - 103	L3
delta-BHC	15.2160	1.0	0.21	16.6667	91.3	16 - 120	
delta-BHC [2C]	15.5565	1.0	0.21	16.6667	93.3	16 - 120	
Dieldrin	18.9177	2.0	0.25	16.6667	114	61 - 109	L3
Dieldrin [2C]	18.5727	2.0	0.25	16.6667	111	61 - 109	L3
Endosulfan I	20.1817	1.0	0.21	16.6667	121	60 - 106	L3
Endosulfan I [2C]	18.2348	1.0	0.21	16.6667	109	60 - 106	L3
Endosulfan II	18.9497	2.0	0.22	16.6667	114	59 - 108	L3
Endosulfan II [2C]	19.3480	2.0	0.22	16.6667	116	59 - 108	L3
Endosulfan sulfate	16.8412	2.0	0.21	16.6667	101	54 - 110	
Endosulfan Sulfate [2C]	17.3657	2.0	0.21	16.6667	104	54 - 110	
Endrin	20.8692	2.0	0.23	16.6667	125	63 - 112	L3
Endrin [2C]	21.1622	2.0	0.23	16.6667	127	63 - 112	L3
Endrin aldehyde	18.5695	2.0	0.28	16.6667	111	64 - 119	
Endrin aldehyde [2C]	16.1577	2.0	0.28	16.6667	96.9	64 - 119	
Endrin ketone	13.7755	2.0	0.20	16.6667	82.7	54 - 115	
Endrin ketone [2C]	16.3687	2.0	0.20	16.6667	98.2	54 - 115	
gamma-BHC	16.9212	1.0	0.20	16.6667	102	60 - 107	
gamma-BHC [2C]	17.8108	1.0	0.20	16.6667	107	60 - 107	



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25864-F Business Center Drive
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Project Number : 185803925
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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0254 - GCSEMI_PCB/PEST_S (continued)

LCS (B7F0254-BS1) - Continued

Prepared: 6/12/2017 Analyzed: 6/13/2017

gamma-Chlordane	18.5645	1.0	0.23	16.6667		111	57 - 106			L3
gamma-Chlordane [2C]	18.5633	1.0	0.23	16.6667		111	57 - 106			L3
Heptachlor	15.4762	1.0	0.19	16.6667		92.9	54 - 114			
Heptachlor [2C]	18.0332	1.0	0.19	16.6667		108	54 - 114			
Heptachlor epoxide	17.3590	1.0	0.20	16.6667		104	61 - 106			
Heptachlor epoxide [2C]	17.7485	1.0	0.20	16.6667		106	61 - 106			L3
Methoxychlor	17.6293	5.0	0.18	16.6667		106	18 - 138			
Methoxychlor [2C]	19.8148	5.0	0.18	16.6667		119	18 - 138			
Surrogate: Decachlorobiphenyl	15.96			16.6667		95.7	27 - 123			
Surrogate: Decachlorobiphenyl f	17.10			16.6667		103	27 - 123			
Surrogate: Tetrachloro-m-xylene	17.50			16.6667		105	26 - 108			
Surrogate: Tetrachloro-m-xylene	19.19			16.6667		115	26 - 108			S12

Matrix Spike (B7F0254-MS1)

Source: 1702276-05

Prepared: 6/12/2017 Analyzed: 6/13/2017

4,4'-DDD	16.0852	2.0	0.22	16.6667	ND	96.5	25 - 141			
4,4'-DDD [2C]	16.8248	2.0	0.22	16.6667	ND	101	25 - 141			
4,4'-DDE	15.7517	2.0	0.20	16.6667	ND	94.5	22 - 141			
4,4'-DDE [2C]	15.9197	2.0	0.20	16.6667	ND	95.5	22 - 141			
4,4'-DDT	9.87967	2.0	0.13	16.6667	ND	59.3	15 - 136			
4,4'-DDT [2C]	15.2877	2.0	0.13	16.6667	ND	91.7	15 - 136			
Aldrin	14.0663	1.0	0.27	16.6667	ND	84.4	33 - 118			
Aldrin [2C]	15.3013	1.0	0.27	16.6667	ND	91.8	33 - 118			
alpha-BHC	14.1968	1.0	0.20	16.6667	ND	85.2	30 - 116			
alpha-BHC [2C]	14.6813	1.0	0.20	16.6667	ND	88.1	30 - 116			
alpha-Chlordane	15.4683	1.0	0.21	16.6667	ND	92.8	30 - 123			
alpha-Chlordane [2C]	15.6552	1.0	0.21	16.6667	ND	93.9	30 - 123			
beta-BHC	14.8335	1.0	0.23	16.6667	ND	89.0	24 - 121			
beta-BHC [2C]	15.6310	1.0	0.23	16.6667	ND	93.8	24 - 121			
delta-BHC	12.4825	1.0	0.21	16.6667	ND	74.9	7 - 120			
delta-BHC [2C]	12.4307	1.0	0.21	16.6667	ND	74.6	7 - 120			
Dieldrin	15.9848	2.0	0.25	16.6667	ND	95.9	25 - 136			
Dieldrin [2C]	15.6397	2.0	0.25	16.6667	ND	93.8	25 - 136			
Endosulfan I	16.1983	1.0	0.21	16.6667	ND	97.2	18 - 134			
Endosulfan I [2C]	15.5232	1.0	0.21	16.6667	ND	93.1	18 - 134			
Endosulfan II	17.2742	2.0	0.22	16.6667	ND	104	28 - 128			
Endosulfan II [2C]	15.6785	2.0	0.22	16.6667	ND	94.1	28 - 128			
Endosulfan sulfate	13.6063	2.0	0.21	16.6667	ND	81.6	5 - 145			
Endosulfan Sulfate [2C]	13.4500	2.0	0.21	16.6667	ND	80.7	5 - 145			
Endrin	17.7152	2.0	0.23	16.6667	ND	106	26 - 142			
Endrin [2C]	17.7242	2.0	0.23	16.6667	ND	106	26 - 142			
Endrin aldehyde	14.8428	2.0	0.28	16.6667	ND	89.1	8 - 146			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0254 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B7F0254-MS1) - Continued

Source: 1702276-05

Prepared: 6/12/2017 Analyzed: 6/13/2017

Endrin aldehyde [2C]	8.23600	2.0	0.28	16.6667	ND	49.4	8 - 146			
Endrin ketone	11.1110	2.0	0.20	16.6667	ND	66.7	16 - 139			
Endrin ketone [2C]	12.6378	2.0	0.20	16.6667	ND	75.8	16 - 139			
gamma-BHC	13.7022	1.0	0.20	16.6667	ND	82.2	30 - 122			
gamma-BHC [2C]	14.6655	1.0	0.20	16.6667	ND	88.0	30 - 122			
gamma-Chlordane	14.8992	1.0	0.23	16.6667	ND	89.4	18 - 132			
gamma-Chlordane [2C]	15.2018	1.0	0.23	16.6667	ND	91.2	18 - 132			
Heptachlor	12.6960	1.0	0.19	16.6667	ND	76.2	34 - 122			
Heptachlor [2C]	14.9225	1.0	0.19	16.6667	ND	89.5	34 - 122			
Heptachlor epoxide	13.8887	1.0	0.20	16.6667	ND	83.3	21 - 135			
Heptachlor epoxide [2C]	15.0708	1.0	0.20	16.6667	ND	90.4	21 - 135			
Methoxychlor	13.9612	5.0	0.18	16.6667	ND	83.8	8 - 162			
Methoxychlor [2C]	16.0695	5.0	0.18	16.6667	ND	96.4	8 - 162			
Surrogate: Decachlorobiphenyl	12.05			16.6667		72.3	27 - 123			
Surrogate: Decachlorobiphenyl [	14.72			16.6667		88.3	27 - 123			
Surrogate: Tetrachloro-m-xylene	14.06			16.6667		84.4	26 - 108			
Surrogate: Tetrachloro-m-xylene	15.40			16.6667		92.4	26 - 108			

Matrix Spike Dup (B7F0254-MSD1)

Source: 1702276-05

Prepared: 6/12/2017 Analyzed: 6/13/2017

4,4'-DDD	16.1162	2.0	0.22	16.6667	ND	96.7	25 - 141	0.193	20	
4,4'-DDD [2C]	17.6713	2.0	0.22	16.6667	ND	106	25 - 141	4.91	20	
4,4'-DDE	16.3503	2.0	0.20	16.6667	ND	98.1	22 - 141	3.73	20	
4,4'-DDE [2C]	17.3280	2.0	0.20	16.6667	ND	104	22 - 141	8.47	20	
4,4'-DDT	9.96383	2.0	0.13	16.6667	ND	59.8	15 - 136	0.848	20	
4,4'-DDT [2C]	15.4787	2.0	0.13	16.6667	ND	92.9	15 - 136	1.24	20	
Aldrin	14.6888	1.0	0.27	16.6667	ND	88.1	33 - 118	4.33	20	
Aldrin [2C]	16.5127	1.0	0.27	16.6667	ND	99.1	33 - 118	7.62	20	
alpha-BHC	15.1563	1.0	0.20	16.6667	ND	90.9	30 - 116	6.54	20	
alpha-BHC [2C]	17.3240	1.0	0.20	16.6667	ND	104	30 - 116	16.5	20	
alpha-Chlordane	16.4445	1.0	0.21	16.6667	ND	98.7	30 - 123	6.12	20	
alpha-Chlordane [2C]	17.2227	1.0	0.21	16.6667	ND	103	30 - 123	9.54	20	
beta-BHC	15.7632	1.0	0.23	16.6667	ND	94.6	24 - 121	6.08	20	
beta-BHC [2C]	17.9270	1.0	0.23	16.6667	ND	108	24 - 121	13.7	20	
delta-BHC	13.4673	1.0	0.21	16.6667	ND	80.8	7 - 120	7.59	20	
delta-BHC [2C]	14.0193	1.0	0.21	16.6667	ND	84.1	7 - 120	12.0	20	
Dieldrin	15.9878	2.0	0.25	16.6667	ND	95.9	25 - 136	0.0188	20	
Dieldrin [2C]	16.9503	2.0	0.25	16.6667	ND	102	25 - 136	8.04	20	
Endosulfan I	17.2205	1.0	0.21	16.6667	ND	103	18 - 134	6.12	20	
Endosulfan I [2C]	17.1835	1.0	0.21	16.6667	ND	103	18 - 134	10.2	20	
Endosulfan II	16.0320	2.0	0.22	16.6667	ND	96.2	28 - 128	7.46	20	
Endosulfan II [2C]	16.4625	2.0	0.22	16.6667	ND	98.8	28 - 128	4.88	20	



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7F0254 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B7F0254-MSD1) - Continued			Source: 1702276-05		Prepared: 6/12/2017 Analyzed: 6/13/2017					
Endosulfan sulfate	14.1457	2.0	0.21	16.6667	ND	84.9	5 - 145	3.89	20	
Endosulfan Sulfate [2C]	14.5252	2.0	0.21	16.6667	ND	87.2	5 - 145	7.69	20	
Endrin	17.1593	2.0	0.23	16.6667	ND	103	26 - 142	3.19	20	
Endrin [2C]	18.8857	2.0	0.23	16.6667	ND	113	26 - 142	6.35	20	
Endrin aldehyde	15.0210	2.0	0.28	16.6667	ND	90.1	8 - 146	1.19	20	
Endrin aldehyde [2C]	8.81033	2.0	0.28	16.6667	ND	52.9	8 - 146	6.74	20	
Endrin ketone	11.8930	2.0	0.20	16.6667	ND	71.4	16 - 139	6.80	20	
Endrin ketone [2C]	12.9575	2.0	0.20	16.6667	ND	77.7	16 - 139	2.50	20	
gamma-BHC	14.6117	1.0	0.20	16.6667	ND	87.7	30 - 122	6.42	20	
gamma-BHC [2C]	16.6642	1.0	0.20	16.6667	ND	100	30 - 122	12.8	20	
gamma-Chlordane	16.0670	1.0	0.23	16.6667	ND	96.4	18 - 132	7.54	20	
gamma-Chlordane [2C]	16.9942	1.0	0.23	16.6667	ND	102	18 - 132	11.1	20	
Heptachlor	13.6977	1.0	0.19	16.6667	ND	82.2	34 - 122	7.59	20	
Heptachlor [2C]	16.6745	1.0	0.19	16.6667	ND	100	34 - 122	11.1	20	
Heptachlor epoxide	15.0082	1.0	0.20	16.6667	ND	90.0	21 - 135	7.75	20	
Heptachlor epoxide [2C]	17.3387	1.0	0.20	16.6667	ND	104	21 - 135	14.0	20	
Methoxychlor	14.5927	5.0	0.18	16.6667	ND	87.6	8 - 162	4.42	20	
Methoxychlor [2C]	15.8960	5.0	0.18	16.6667	ND	95.4	8 - 162	1.09	20	
Surrogate: Decachlorobiphenyl	12.65			16.6667		75.9	27 - 123			
Surrogate: Decachlorobiphenyl [	13.82			16.6667		82.9	27 - 123			
Surrogate: Tetrachloro-m-xylene	15.00			16.6667		90.0	26 - 108			
Surrogate: Tetrachloro-m-xylene	20.05			16.6667		120	26 - 108			S12



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25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S

Blank (B7F0261-BLK1)

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,1,1,2-Tetrachloroethane	ND	5.0	0.63
1,1,1-Trichloroethane	ND	5.0	0.63
1,1,2,2-Tetrachloroethane	ND	5.0	0.92
1,1,2-Trichloroethane	ND	5.0	1.4
1,1-Dichloroethane	ND	5.0	1.5
1,1-Dichloroethene	ND	5.0	0.69
1,1-Dichloropropene	ND	5.0	2.4
1,2,3-Trichloropropane	ND	5.0	1.2
1,2,3-Trichlorobenzene	ND	5.0	1.1
1,2,4-Trichlorobenzene	ND	5.0	0.96
1,2,4-Trimethylbenzene	ND	5.0	0.53
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.80
1,2-Dichlorobenzene	ND	5.0	0.51
1,2-Dichloroethane	ND	5.0	0.53
1,2-Dichloropropane	ND	5.0	0.76
1,3,5-Trimethylbenzene	ND	5.0	0.58
1,3-Dichlorobenzene	ND	5.0	0.63
1,3-Dichloropropane	ND	5.0	0.59
1,4-Dichlorobenzene	ND	5.0	0.73
2,2-Dichloropropane	ND	5.0	0.68
2-Chlorotoluene	ND	5.0	0.68
4-Chlorotoluene	ND	5.0	0.62
4-Isopropyltoluene	ND	5.0	0.63
Benzene	ND	5.0	0.59
Bromobenzene	ND	5.0	1.9
Bromochloromethane	ND	5.0	3.1
Bromodichloromethane	ND	5.0	1.0
Bromoform	ND	5.0	0.70
Bromomethane	ND	5.0	4.2
Carbon disulfide	ND	5.0	1.2
Carbon tetrachloride	ND	5.0	1.1
Chlorobenzene	ND	5.0	0.64
Chloroethane	ND	5.0	1.9
Chloroform	ND	5.0	1.4
Chloromethane	ND	5.0	1.9
cis-1,2-Dichloroethene	ND	5.0	0.87
cis-1,3-Dichloropropene	ND	5.0	0.79
Di-isopropyl ether	ND	5.0	0.51
Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	0.99



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Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

Blank (B7F0261-BLK1) - Continued

Prepared: 6/13/2017 Analyzed: 6/13/2017

Dichlorodifluoromethane	ND	5.0	2.2
Ethyl Acetate	ND	50	9.7
Ethyl Ether	ND	50	7.3
Ethyl tert-butyl ether	ND	5.0	1.4
Ethylbenzene	ND	5.0	0.65
Freon-113	ND	5.0	1.0
Hexachlorobutadiene	ND	5.0	0.78
Isopropylbenzene	ND	5.0	0.59
m,p-Xylene	ND	10	1.2
Methylene chloride	ND	5.0	1.4
MTBE	ND	5.0	0.50
n-Butylbenzene	ND	5.0	0.75
n-Propylbenzene	ND	5.0	0.55
Naphthalene	ND	5.0	1.2
o-Xylene	ND	5.0	0.86
sec-Butylbenzene	ND	5.0	0.79
Styrene	ND	5.0	0.82
tert-Amyl methyl ether	ND	5.0	1.5
tert-Butanol	ND	100	5.9
tert-Butylbenzene	ND	5.0	0.57
Tetrachloroethene	ND	5.0	0.65
Toluene	ND	5.0	0.80
trans-1,2-Dichloroethene	ND	5.0	1.5
trans-1,3-Dichloropropene	ND	5.0	0.63
Trichloroethene	ND	5.0	1.1
Trichlorofluoromethane	ND	5.0	0.89
Vinyl acetate	ND	50	5.7
Vinyl chloride	ND	5.0	2.0

Surrogate: 1,2-Dichloroethane-d4	41.39		50.0000	82.8	12 - 186
Surrogate: 4-Bromofluorobenzene	47.04		50.0000	94.1	23 - 162
Surrogate: Dibromofluoromethane	46.10		50.0000	92.2	23 - 179
Surrogate: Toluene-d8	48.47		50.0000	96.9	26 - 164

LCS (B7F0261-BS1)

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,1,1,2-Tetrachloroethane	50.4000	5.0	0.63	50.0000	101	78 - 119
1,1,1-Trichloroethane	45.3200	5.0	0.63	50.0000	90.6	75 - 123
1,1,2,2-Tetrachloroethane	41.3200	5.0	0.92	50.0000	82.6	65 - 117
1,1,2-Trichloroethane	46.1100	5.0	1.4	50.0000	92.2	79 - 108
1,1-Dichloroethane	42.2500	5.0	1.5	50.0000	84.5	69 - 120
1,1-Dichloroethene	37.7100	5.0	0.69	50.0000	75.4	59 - 126
1,1-Dichloropropene	45.7700	5.0	2.4	50.0000	91.5	76 - 121



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Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
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Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

LCS (B7F0261-BS1) - Continued

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,2,3-Trichloropropane	40.6400	5.0	1.2	50.0000		81.3	66 - 118		
1,2,3-Trichlorobenzene	52.3700	5.0	1.1	50.0000		105	75 - 116		
1,2,4-Trichlorobenzene	53.7600	5.0	0.96	50.0000		108	79 - 121		
1,2,4-Trimethylbenzene	45.0500	5.0	0.53	50.0000		90.1	80 - 118		
1,2-Dibromo-3-chloropropane	42.6400	10	1.1	50.0000		85.3	65 - 122		
1,2-Dibromoethane	47.3300	5.0	0.80	50.0000		94.7	77 - 115		
1,2-Dichlorobenzene	48.6700	5.0	0.51	50.0000		97.3	81 - 115		
1,2-Dichloroethane	42.2600	5.0	0.53	50.0000		84.5	70 - 122		
1,2-Dichloropropane	44.3600	5.0	0.76	50.0000		88.7	77 - 110		
1,3,5-Trimethylbenzene	45.3500	5.0	0.58	50.0000		90.7	79 - 119		
1,3-Dichlorobenzene	49.0700	5.0	0.63	50.0000		98.1	81 - 116		
1,3-Dichloropropane	45.6600	5.0	0.59	50.0000		91.3	79 - 113		
1,4-Dichlorobenzene	48.7800	5.0	0.73	50.0000		97.6	80 - 117		
2,2-Dichloropropane	41.0100	5.0	0.68	50.0000		82.0	70 - 129		
2-Chlorotoluene	43.4200	5.0	0.68	50.0000		86.8	76 - 119		
4-Chlorotoluene	43.5300	5.0	0.62	50.0000		87.1	79 - 119		
4-Isopropyltoluene	46.7100	5.0	0.63	50.0000		93.4	80 - 122		
Benzene	89.2600	5.0	0.59	100.000		89.3	79 - 111		
Bromobenzene	47.0900	5.0	1.9	50.0000		94.2	77 - 114		
Bromochloromethane	48.1600	5.0	3.1	50.0000		96.3	69 - 117		
Bromodichloromethane	44.3400	5.0	1.0	50.0000		88.7	79 - 114		
Bromoform	52.6700	5.0	0.70	50.0000		105	72 - 122		
Bromomethane	43.2200	5.0	4.2	50.0000		86.4	47 - 176		
Carbon disulfide	37.2000	5.0	1.2	50.0000		74.4	50 - 133		
Carbon tetrachloride	48.3200	5.0	1.1	50.0000		96.6	68 - 143		
Chlorobenzene	48.3500	5.0	0.64	50.0000		96.7	81 - 113		
Chloroethane	33.0400	5.0	1.9	50.0000		66.1	47 - 148		
Chloroform	44.1900	5.0	1.4	50.0000		88.4	77 - 116		
Chloromethane	33.8800	5.0	1.9	50.0000		67.8	39 - 141		
cis-1,2-Dichloroethene	45.2600	5.0	0.87	50.0000		90.5	68 - 120		
cis-1,3-Dichloropropene	48.6400	5.0	0.79	50.0000		97.3	74 - 113		
Di-isopropyl ether	40.8100	5.0	0.51	50.0000		81.6	62 - 124		
Dibromochloromethane	47.9500	5.0	1.0	50.0000		95.9	78 - 114		
Dibromomethane	48.0700	5.0	0.99	50.0000		96.1	74 - 112		
Dichlorodifluoromethane	34.0900	5.0	2.2	50.0000		68.2	49 - 138		
Ethyl Acetate	451.510	50	9.7	500.000		90.3	63 - 131		
Ethyl Ether	358.610	50	7.3	500.000		71.7	56 - 123		
Ethyl tert-butyl ether	49.3100	5.0	1.4	50.0000		98.6	68 - 121		
Ethylbenzene	90.7600	5.0	0.65	100.000		90.8	82 - 112		
Freon-113	41.4500	5.0	1.0	50.0000		82.9	65 - 133		
Hexachlorobutadiene	53.5900	5.0	0.78	50.0000		107	76 - 131		
Isopropylbenzene	43.6600	5.0	0.59	50.0000		87.3	77 - 122		



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25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

LCS (B7F0261-BS1) - Continued

Prepared: 6/13/2017 Analyzed: 6/13/2017

m,p-Xylene	89.6700	10	1.2	100.000		89.7	80 - 116			
Methylene chloride	42.1900	5.0	1.4	50.0000		84.4	67 - 144			
MTBE	44.8500	5.0	0.50	50.0000		89.7	62 - 120			
n-Butylbenzene	46.1800	5.0	0.75	50.0000		92.4	78 - 134			
n-Propylbenzene	43.7800	5.0	0.55	50.0000		87.6	77 - 125			
Naphthalene	49.6800	5.0	1.2	50.0000		99.4	66 - 125			
o-Xylene	89.7400	5.0	0.86	100.000		89.7	80 - 113			
sec-Butylbenzene	45.5700	5.0	0.79	50.0000		91.1	79 - 124			
Styrene	49.4200	5.0	0.82	50.0000		98.8	82 - 117			
tert-Amyl methyl ether	44.8600	5.0	1.5	50.0000		89.7	62 - 118			
tert-Butanol	202.230	100	5.9	250.000		80.9	35 - 127			
tert-Butylbenzene	45.0700	5.0	0.57	50.0000		90.1	78 - 121			
Tetrachloroethene	50.1700	5.0	0.65	50.0000		100	75 - 124			
Toluene	94.8600	5.0	0.80	100.000		94.9	79 - 115			
trans-1,2-Dichloroethene	44.5900	5.0	1.5	50.0000		89.2	65 - 127			
trans-1,3-Dichloropropene	44.5000	5.0	0.63	50.0000		89.0	73 - 115			
Trichloroethene	48.7600	5.0	1.1	50.0000		97.5	77 - 119			
Trichlorofluoromethane	38.7000	5.0	0.89	50.0000		77.4	57 - 134			
Vinyl acetate	452.230	50	5.7	500.000		90.4	62 - 147			
Vinyl chloride	32.2600	5.0	2.0	50.0000		64.5	53 - 133			
Surrogate: 1,2-Dichloroethane-d4	44.47			50.0000		88.9	12 - 186			
Surrogate: 4-Bromofluorobenzene	46.06			50.0000		92.1	23 - 162			
Surrogate: Dibromofluoromethane	48.96			50.0000		97.9	23 - 179			
Surrogate: Toluene-d8	50.03			50.0000		100	26 - 164			

Matrix Spike (B7F0261-MS1)

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,1,1,2-Tetrachloroethane	43.7200	5.0	0.63	50.0000	ND	87.4	45 - 124			
1,1,1-Trichloroethane	43.7000	5.0	0.63	50.0000	ND	87.4	53 - 125			
1,1,2,2-Tetrachloroethane	38.5700	5.0	0.92	50.0000	ND	77.1	42 - 117			
1,1,2-Trichloroethane	40.7700	5.0	1.4	50.0000	ND	81.5	48 - 120			
1,1-Dichloroethane	38.8900	5.0	1.5	50.0000	ND	77.8	54 - 116			
1,1-Dichloroethene	37.4700	5.0	0.69	50.0000	ND	74.9	47 - 123			
1,1-Dichloropropene	45.6900	5.0	2.4	50.0000	ND	91.4	48 - 126			
1,2,3-Trichloropropane	36.9700	5.0	1.2	50.0000	ND	73.9	46 - 118			
1,2,3-Trichlorobenzene	40.3300	5.0	1.1	50.0000	ND	80.7	1 - 132			
1,2,4-Trichlorobenzene	42.8000	5.0	0.96	50.0000	ND	85.6	2 - 138			
1,2,4-Trimethylbenzene	39.3400	5.0	0.53	50.0000	ND	78.7	32 - 129			
1,2-Dibromo-3-chloropropane	40.7100	10	1.1	50.0000	ND	81.4	34 - 130			
1,2-Dibromoethane	41.7400	5.0	0.80	50.0000	ND	83.5	45 - 125			
1,2-Dichlorobenzene	41.0900	5.0	0.51	50.0000	ND	82.2	25 - 130			
1,2-Dichloroethane	35.1700	5.0	0.53	50.0000	ND	70.3	51 - 119			



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Project Number : 185803925
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Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

Matrix Spike (B7F0261-MS1) - Continued

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,2-Dichloropropane	38.1800	5.0	0.76	50.0000	ND	76.4	54 - 113			
1,3,5-Trimethylbenzene	40.6500	5.0	0.58	50.0000	ND	81.3	34 - 128			
1,3-Dichlorobenzene	42.3900	5.0	0.63	50.0000	ND	84.8	26 - 130			
1,3-Dichloropropane	39.2300	5.0	0.59	50.0000	ND	78.5	53 - 117			
1,4-Dichlorobenzene	42.4200	5.0	0.73	50.0000	ND	84.8	26 - 130			
2,2-Dichloropropane	39.3900	5.0	0.68	50.0000	ND	78.8	52 - 128			
2-Chlorotoluene	39.3100	5.0	0.68	50.0000	ND	78.6	34 - 126			
4-Chlorotoluene	39.2200	5.0	0.62	50.0000	ND	78.4	32 - 128			
4-Isopropyltoluene	41.6200	5.0	0.63	50.0000	ND	83.2	28 - 133			
Benzene	81.3600	5.0	0.59	100.000	ND	81.4	55 - 113			
Bromobenzene	42.3100	5.0	1.9	50.0000	ND	84.6	36 - 122			
Bromochloromethane	43.0800	5.0	3.1	50.0000	ND	86.2	50 - 118			
Bromodichloromethane	39.2300	5.0	1.0	50.0000	ND	78.5	51 - 117			
Bromoform	46.2500	5.0	0.70	50.0000	ND	92.5	39 - 130			
Bromomethane	37.7700	5.0	4.2	50.0000	ND	75.5	38 - 151			
Carbon disulfide	35.9900	5.0	1.2	50.0000	ND	72.0	38 - 126			
Carbon tetrachloride	48.0500	5.0	1.1	50.0000	ND	96.1	43 - 141			
Chlorobenzene	41.9200	5.0	0.64	50.0000	ND	83.8	42 - 122			
Chloroethane	31.8600	5.0	1.9	50.0000	ND	63.7	42 - 129			
Chloroform	40.2400	5.0	1.4	50.0000	ND	80.5	56 - 117			
Chloromethane	31.4100	5.0	1.9	50.0000	ND	62.8	35 - 127			
cis-1,2-Dichloroethene	43.1300	5.0	0.87	50.0000	ND	86.3	50 - 118			
cis-1,3-Dichloropropene	40.9700	5.0	0.79	50.0000	ND	81.9	45 - 118			
Di-isopropyl ether	35.5400	5.0	0.51	50.0000	ND	71.1	51 - 119			
Dibromochloromethane	43.2100	5.0	1.0	50.0000	ND	86.4	47 - 120			
Dibromomethane	41.4700	5.0	0.99	50.0000	ND	82.9	48 - 118			
Dichlorodifluoromethane	33.9500	5.0	2.2	50.0000	ND	67.9	43 - 126			
Ethyl Acetate	377.940	50	9.7	500.000	ND	75.6	22 - 145			
Ethyl Ether	315.880	50	7.3	500.000	ND	63.2	49 - 114			
Ethyl tert-butyl ether	43.5500	5.0	1.4	50.0000	ND	87.1	54 - 120			
Ethylbenzene	82.9400	5.0	0.65	100.000	ND	82.9	42 - 123			
Freon-113	42.7400	5.0	1.0	50.0000	ND	85.5	45 - 132			
Hexachlorobutadiene	39.9400	5.0	0.78	50.0000	ND	79.9	4 - 135			
Isopropylbenzene	41.6900	5.0	0.59	50.0000	ND	83.4	40 - 127			
m,p-Xylene	82.1800	10	1.2	100.000	ND	82.2	39 - 127			
Methylene chloride	34.9900	5.0	1.4	50.0000	ND	70.0	51 - 140			
MTBE	39.5700	5.0	0.50	50.0000	ND	79.1	52 - 120			
n-Butylbenzene	40.2600	5.0	0.75	50.0000	ND	80.5	19 - 141			
n-Propylbenzene	40.9500	5.0	0.55	50.0000	ND	81.9	34 - 131			
Naphthalene	42.5400	5.0	1.2	50.0000	ND	85.1	11 - 136			
o-Xylene	78.7000	5.0	0.86	100.000	ND	78.7	40 - 124			
sec-Butylbenzene	41.3100	5.0	0.79	50.0000	ND	82.6	29 - 132			



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

Matrix Spike (B7F0261-MS1) - Continued

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

Styrene	41.8100	5.0	0.82	50.0000	ND	83.6	36 - 130			
tert-Amyl methyl ether	39.8700	5.0	1.5	50.0000	ND	79.7	49 - 119			
tert-Butanol	194.540	100	5.9	250.000	ND	77.8	29 - 138			
tert-Butylbenzene	41.7600	5.0	0.57	50.0000	ND	83.5	34 - 129			
Tetrachloroethene	48.3700	5.0	0.65	50.0000	ND	96.7	37 - 132			
Toluene	86.6300	5.0	0.80	100.000	ND	86.6	48 - 122			
trans-1,2-Dichloroethene	43.0400	5.0	1.5	50.0000	ND	86.1	51 - 123			
trans-1,3-Dichloropropene	37.4400	5.0	0.63	50.0000	ND	74.9	38 - 125			
Trichloroethene	45.5300	5.0	1.1	50.0000	ND	91.1	41 - 136			
Trichlorofluoromethane	37.9500	5.0	0.89	50.0000	ND	75.9	44 - 126			
Vinyl acetate	387.750	50	5.7	500.000	ND	77.6	0 - 154			
Vinyl chloride	32.3000	5.0	2.0	50.0000	ND	64.6	47 - 122			
Surrogate: 1,2-Dichloroethane-d4	44.24			50.0000		88.5	12 - 186			
Surrogate: 4-Bromofluorobenzene	46.00			50.0000		92.0	23 - 162			
Surrogate: Dibromofluoromethane	48.92			50.0000		97.8	23 - 179			
Surrogate: Toluene-d8	47.86			50.0000		95.7	26 - 164			

Matrix Spike Dup (B7F0261-MSD1)

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

1,1,1,2-Tetrachloroethane	39.6200	5.0	0.63	50.0000	ND	79.2	45 - 124	9.84	20	
1,1,1-Trichloroethane	38.5200	5.0	0.63	50.0000	ND	77.0	53 - 125	12.6	20	
1,1,2,2-Tetrachloroethane	33.6200	5.0	0.92	50.0000	ND	67.2	42 - 117	13.7	20	
1,1,2-Trichloroethane	38.3000	5.0	1.4	50.0000	ND	76.6	48 - 120	6.25	20	
1,1-Dichloroethane	34.8600	5.0	1.5	50.0000	ND	69.7	54 - 116	10.9	20	
1,1-Dichloroethene	32.9000	5.0	0.69	50.0000	ND	65.8	47 - 123	13.0	20	
1,1-Dichloropropene	40.1600	5.0	2.4	50.0000	ND	80.3	48 - 126	12.9	20	
1,2,3-Trichloropropane	31.3300	5.0	1.2	50.0000	ND	62.7	46 - 118	16.5	20	
1,2,3-Trichlorobenzene	30.9100	5.0	1.1	50.0000	ND	61.8	1 - 132	26.4	20	R
1,2,4-Trichlorobenzene	32.2500	5.0	0.96	50.0000	ND	64.5	2 - 138	28.1	20	R
1,2,4-Trimethylbenzene	32.4300	5.0	0.53	50.0000	ND	64.9	32 - 129	19.3	20	
1,2-Dibromo-3-chloropropane	32.7300	10	1.1	50.0000	ND	65.5	34 - 130	21.7	20	R
1,2-Dibromoethane	39.8100	5.0	0.80	50.0000	ND	79.6	45 - 125	4.73	20	
1,2-Dichlorobenzene	34.2700	5.0	0.51	50.0000	ND	68.5	25 - 130	18.1	20	
1,2-Dichloroethane	32.5500	5.0	0.53	50.0000	ND	65.1	51 - 119	7.74	20	
1,2-Dichloropropane	35.0300	5.0	0.76	50.0000	ND	70.1	54 - 113	8.61	20	
1,3,5-Trimethylbenzene	33.2400	5.0	0.58	50.0000	ND	66.5	34 - 128	20.1	20	R
1,3-Dichlorobenzene	34.5700	5.0	0.63	50.0000	ND	69.1	26 - 130	20.3	20	R
1,3-Dichloropropane	35.0200	5.0	0.59	50.0000	ND	70.0	53 - 117	11.3	20	
1,4-Dichlorobenzene	34.1400	5.0	0.73	50.0000	ND	68.3	26 - 130	21.6	20	R
2,2-Dichloropropane	35.3500	5.0	0.68	50.0000	ND	70.7	52 - 128	10.8	20	
2-Chlorotoluene	31.9300	5.0	0.68	50.0000	ND	63.9	34 - 126	20.7	20	R
4-Chlorotoluene	31.7600	5.0	0.62	50.0000	ND	63.5	32 - 128	21.0	20	R



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

Matrix Spike Dup (B7F0261-MSD1) - Continued

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

4-Isopropyltoluene	33.8100	5.0	0.63	50.0000	ND	67.6	28 - 133	20.7	20	R
Benzene	72.0300	5.0	0.59	100.000	ND	72.0	55 - 113	12.2	20	
Bromobenzene	35.4200	5.0	1.9	50.0000	ND	70.8	36 - 122	17.7	20	
Bromochloromethane	39.7300	5.0	3.1	50.0000	ND	79.5	50 - 118	8.09	20	
Bromodichloromethane	35.2100	5.0	1.0	50.0000	ND	70.4	51 - 117	10.8	20	
Bromoform	43.2200	5.0	0.70	50.0000	ND	86.4	39 - 130	6.77	20	
Bromomethane	33.7600	5.0	4.2	50.0000	ND	67.5	38 - 151	11.2	20	
Carbon disulfide	31.5500	5.0	1.2	50.0000	ND	63.1	38 - 126	13.1	20	
Carbon tetrachloride	40.9100	5.0	1.1	50.0000	ND	81.8	43 - 141	16.1	20	
Chlorobenzene	37.2800	5.0	0.64	50.0000	ND	74.6	42 - 122	11.7	20	
Chloroethane	27.2000	5.0	1.9	50.0000	ND	54.4	42 - 129	15.8	20	
Chloroform	36.0100	5.0	1.4	50.0000	ND	72.0	56 - 117	11.1	20	
Chloromethane	27.5900	5.0	1.9	50.0000	ND	55.2	35 - 127	12.9	20	
cis-1,2-Dichloroethene	39.3900	5.0	0.87	50.0000	ND	78.8	50 - 118	9.06	20	
cis-1,3-Dichloropropene	37.4900	5.0	0.79	50.0000	ND	75.0	45 - 118	8.87	20	
Di-isopropyl ether	33.1400	5.0	0.51	50.0000	ND	66.3	51 - 119	6.99	20	
Dibromochloromethane	39.0100	5.0	1.0	50.0000	ND	78.0	47 - 120	10.2	20	
Dibromomethane	37.2900	5.0	0.99	50.0000	ND	74.6	48 - 118	10.6	20	
Dichlorodifluoromethane	28.5400	5.0	2.2	50.0000	ND	57.1	43 - 126	17.3	20	
Ethyl Acetate	372.560	50	9.7	500.000	ND	74.5	22 - 145	1.43	20	
Ethyl Ether	304.930	50	7.3	500.000	ND	61.0	49 - 114	3.53	20	
Ethyl tert-butyl ether	40.2600	5.0	1.4	50.0000	ND	80.5	54 - 120	7.85	20	
Ethylbenzene	72.6800	5.0	0.65	100.000	ND	72.7	42 - 123	13.2	20	
Freon-113	37.8500	5.0	1.0	50.0000	ND	75.7	45 - 132	12.1	20	
Hexachlorobutadiene	29.3400	5.0	0.78	50.0000	ND	58.7	4 - 135	30.6	20	R
Isopropylbenzene	33.7900	5.0	0.59	50.0000	ND	67.6	40 - 127	20.9	20	R
m,p-Xylene	70.6900	10	1.2	100.000	ND	70.7	39 - 127	15.0	20	
Methylene chloride	32.9500	5.0	1.4	50.0000	ND	65.9	51 - 140	6.01	20	
MTBE	37.5000	5.0	0.50	50.0000	ND	75.0	52 - 120	5.37	20	
n-Butylbenzene	31.3800	5.0	0.75	50.0000	ND	62.8	19 - 141	24.8	20	R
n-Propylbenzene	32.9900	5.0	0.55	50.0000	ND	66.0	34 - 131	21.5	20	R
Naphthalene	33.7500	5.0	1.2	50.0000	ND	67.5	11 - 136	23.0	20	R
o-Xylene	70.7200	5.0	0.86	100.000	ND	70.7	40 - 124	10.7	20	
sec-Butylbenzene	32.8300	5.0	0.79	50.0000	ND	65.7	29 - 132	22.9	20	R
Styrene	38.0200	5.0	0.82	50.0000	ND	76.0	36 - 130	9.50	20	
tert-Amyl methyl ether	37.6900	5.0	1.5	50.0000	ND	75.4	49 - 119	5.62	20	
tert-Butanol	186.960	100	5.9	250.000	ND	74.8	29 - 138	3.97	20	
tert-Butylbenzene	33.4100	5.0	0.57	50.0000	ND	66.8	34 - 129	22.2	20	R
Tetrachloroethene	40.2400	5.0	0.65	50.0000	ND	80.5	37 - 132	18.4	20	
Toluene	77.5600	5.0	0.80	100.000	ND	77.6	48 - 122	11.0	20	
trans-1,2-Dichloroethene	38.4500	5.0	1.5	50.0000	ND	76.9	51 - 123	11.3	20	
trans-1,3-Dichloropropene	33.7800	5.0	0.63	50.0000	ND	67.6	38 - 125	10.3	20	



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B7F0261 - MSVOA_S (continued)

Matrix Spike Dup (B7F0261-MSD1) - Continued

Source: 1702276-03

Prepared: 6/13/2017 Analyzed: 6/13/2017

Trichloroethene	39.6000	5.0	1.1	50.0000	ND	79.2	41 - 136	13.9	20	
Trichlorofluoromethane	33.2400	5.0	0.89	50.0000	ND	66.5	44 - 126	13.2	20	
Vinyl acetate	343.030	50	5.7	500.000	ND	68.6	0 - 154	12.2	20	
Vinyl chloride	28.1100	5.0	2.0	50.0000	ND	56.2	47 - 122	13.9	20	
Surrogate: 1,2-Dichloroethane-d4	46.38			50.0000		92.8	12 - 186			
Surrogate: 4-Bromofluorobenzene	46.14			50.0000		92.3	23 - 162			
Surrogate: Dibromofluoromethane	50.60			50.0000		101	23 - 179			
Surrogate: Toluene-d8	49.66			50.0000		99.3	26 - 164			



Certificate of Analysis

Stantec
25864-F Business Center Drive
Redlands, CA 92374

Project Number : 185803925
Report To : Dion Monge
Reported : 06/19/2017

Notes and Definitions

S12	Surrogate recovery outside in-house established limit but within method default criteria.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



CHAIN OF CUSTODY FORM

25864-F-Business Center Dr., Redlands, CA 92374 (909)335-6116, Fax (909) 335-6120

Send Report To: Keith Walker (Kwalker@CoxCastle.com)
DO NOT SEND TO STANTEC

Page 1 of 3

Client Name/Address: Stantec 25864-F Business Center Drive Redlands, CA 92374			Project/PO Number: 185803925				Laboratory: ATL												
Project Manager: Dion Morge Email Address: Dion.Morge@stantec.com Sampler: J. Sargent Joshua.Sargent@stantec.com			Phone Number: 909-335-6116 Fax Number: 909-335-6120				Analysis Required												
Sample Description			Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	TPH 8015	VOCs 8260	Trace 22 Metals 6010	Pesticides 8081A							
													Special Instructions						
1702276	SB-01-0/5		Soil	Liner	1	6.9.17	0730	ICE	X		X	X	Stock pile						
01	SB-01-5/10						0735												
02	SB-01-10/16						0740			X			Minor stain @ 15'						
03	SB-02-0/5						0815												
04	SB-02-5/10						0825												
05	SB-03-0/5						0840												
06	SB-03-5/10						0850			X			Dark Soil @ 7.5'						
07	SB-04-0/5						0918												
08	SB-04-5/10						0944			X			Dark Soil @ 8'						
09	SB-05-0/5						0950												
10	SB-06-0/5						1005												
11	SB-07-0/5						1041												
12																			
Relinquished By:			Date/Time: 1547 6.9.17		Received By: FPOWS			Date/Time: 6/9/17 1547			Turn-Around Time: Same day 72 hours								
Relinquished By: FPOWS			Date/Time: 6/9/17 1707		Received By: MFR 012			Date/Time: 6/9/17 1707			48 hour 5 days								
Relinquished By:			Date/Time:		Received in Lab By:			Date/Time:			Sample Integrity: (Check) 5-f								
											Intact <input checked="" type="checkbox"/> on ice <input checked="" type="checkbox"/>								

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Send Report To: Keith Walker (kwalker@coxcastle.com)

DO NOT SEND RESULTS TO STANTEC

Page 2 of 3

Client Name/Address: Stantec 25864-F Business Center Drive Redlands, CA 92374		Project/PO Number: 185803925		Laboratory: <u>ATC</u>												
Project Manager: <u>Dion Morge</u> Email Address: <u>Dion.Morge@stantec.com</u>		Phone Number: 909-335-6116 Fax Number: 909-335-6120		Analysis Required												
Sampler: J. Sargent Joshua.Sargent@stantec.com																
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	8015 TPH	Vol toxy 8260	Time 22 metals 6010	Pesticides 8081A	Arsenic/Lead 6010B	HOLD				Special Instructions
SB-08-015	Soil	Liner	1	6.9.17	1115	ICE	X		X	X						Stackpile
SB-09-015					1124		X		X	X						
SB-09-510					1132		X	X	X	X						Dark Soil @ 3'
SB-10-015					1145		X		X	X						
SB-11-015					1337		X	X	X	X						Fill
SB-11-8					1340					X	X					1' Native
SB-11-11					1343							X				3' Native
SB-12-015					1411		X	X	X	X						Fill
SB-12-7					1416					X	X					1' Native
SB-12-10					1418							X				3' Native
SB-13-015					1428		X	X	X	X						Fill
SB-13-9					1431					X	X					1' Native
Relinquished By: <u>[Signature]</u>		Date/Time: <u>6.9.17 1547</u>		Received By: <u>[Signature]</u>		Date/Time: <u>6/9/17 1547</u>		Turn-Around Time: <u>Same day</u>		72 hours						
Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/9/17 1707</u>		Received By: <u>[Signature]</u>		Date/Time: <u>6/9/17 1707</u>		Turn-Around Time: <u>24 hour</u>		5 days						
Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/9/17 1707</u>		Received in Lab By: <u>[Signature]</u>		Date/Time: <u>6/9/17 1707</u>		Turn-Around Time: <u>48 hour</u>		<u>normal</u>						
Sample Integrity: (Check)																
Intact _____ on ice _____																

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Send Report To: Keith Walker (KWalker@CoxCastle.com)

DO NOT SEND RESULTS TO STANTEC

Page 3 of 3

Client Name/Address: Stantec 25864-F Business Center Drive Redlands, CA 92374			Project/PO Number: 185803925			Laboratory: ATL										
Project Manager: Dion Monge Email Address: Dion.Monge@Stantec.com Sampler: J. Sargent Joshua.Sargent@Stantec.com			Phone Number: 909-335-6116 Fax Number: 909-335-6120			Analysis Required										
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	TPH 8015	VOC 8260	Pesticides 8081A	Trace Metals 6010	Lead & Arsenic 6010	Special Instructions				
SB-13-12	Soil	Liner	1	6.9.17	1434	ICE						X	3' Native			
SB-14-0/5		OR Jar			1505		X	X	X	X			Fill			
SB-14-8					1510				X		X		1' Native			
SB-14-11					1512							X	3' Native			
SB-15-0/5					1356		X		X	X			Fill			
SB-16-0/5					1443		X		X	X			Fill			
SB-17-0/5					1455		X		X	X			Fill			
SB-18-0/5					1257		X		X	X			Fill			
Relinquished By: [Signature]			Date/Time: 6/9/17 1547			Received By: [Signature]			Date/Time: 6/9/17 1547			Turn-Around Time: Same day 72 hours				
Relinquished By: [Signature]			Date/Time: 6/9/17 1707			Received By: [Signature]			Date/Time: 6/9/17 1707			Turn-Around Time: 24 hour 5 days				
Relinquished By: [Signature]			Date/Time: [Blank]			Received in Lab By: [Signature]			Date/Time: [Blank]			Sample Integrity: (Check) intact on ice				

relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on it. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

16 June 2017

Mr. Dion Monge
Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

H&P Project: ST061317-10
Client Project: 185803925/ San Juan Capistrano, CA

Dear Mr. Dion Monge:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 13-Jun-17 which were analyzed in accordance with the attached Chain of Custody record(s).

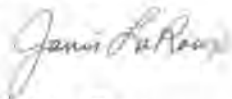
The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV,



Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01-15-SV	E706046-01	Vapor	12-Jun-17	13-Jun-17
SB-01-05-SV	E706046-02	Vapor	12-Jun-17	13-Jun-17
SB-02-05-SV	E706046-03	Vapor	12-Jun-17	13-Jun-17
SB-05-05-SV	E706046-04	Vapor	12-Jun-17	13-Jun-17
SB-05-05-SV-REP	E706046-05	Vapor	12-Jun-17	13-Jun-17
SB-07-05-SV	E706046-06	Vapor	12-Jun-17	13-Jun-17
SB-09-05-SV	E706046-07	Vapor	12-Jun-17	13-Jun-17

Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

DETECTIONS SUMMARY

Sample ID: **SB-01-15-SV**

Laboratory ID: **E706046-01**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Chloromethane	3.9	2.1	ug/m3	EPA TO-15	
Carbon disulfide	29	6.3	ug/m3	EPA TO-15	
Benzene	14	3.2	ug/m3	EPA TO-15	
Toluene	73	3.8	ug/m3	EPA TO-15	
Ethylbenzene	21	4.4	ug/m3	EPA TO-15	
m,p-Xylene	68	8.8	ug/m3	EPA TO-15	
Styrene	18	4.3	ug/m3	EPA TO-15	
o-Xylene	21	4.4	ug/m3	EPA TO-15	
4-Ethyltoluene	6.4	5.0	ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	8.3	5.0	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	20	5.0	ug/m3	EPA TO-15	

Sample ID: **SB-01-05-SV**

Laboratory ID: **E706046-02**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Carbon disulfide	7.2	6.3	ug/m3	EPA TO-15	
Toluene	26	3.8	ug/m3	EPA TO-15	
Ethylbenzene	6.4	4.4	ug/m3	EPA TO-15	
m,p-Xylene	21	8.8	ug/m3	EPA TO-15	
Styrene	9.7	4.3	ug/m3	EPA TO-15	
o-Xylene	8.6	4.4	ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	7.3	5.0	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	6.5	5.0	ug/m3	EPA TO-15	

Sample ID: **SB-02-05-SV**

Laboratory ID: **E706046-03**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Carbon disulfide	9.3	6.3	ug/m3	EPA TO-15	
Toluene	13	3.8	ug/m3	EPA TO-15	
Styrene	28	4.3	ug/m3	EPA TO-15	

Sample ID: **SB-05-05-SV**

Laboratory ID: **E706046-04**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Chloroform	5.2	4.9	ug/m3	EPA TO-15	
Toluene	9.5	3.8	ug/m3	EPA TO-15	
Styrene	10	4.3	ug/m3	EPA TO-15	

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Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Sample ID: **SB-05-05-SV-REP**

Laboratory ID: **E706046-05**

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chloroform	5.5	4.9		ug/m3	EPA TO-15	
Toluene	6.4	3.8		ug/m3	EPA TO-15	
Styrene	9.2	4.3		ug/m3	EPA TO-15	

Sample ID: **SB-07-05-SV**

Laboratory ID: **E706046-06**

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Carbon disulfide	7.7	6.3		ug/m3	EPA TO-15	
Benzene	8.5	3.2		ug/m3	EPA TO-15	
Toluene	100	3.8		ug/m3	EPA TO-15	
Tetrachloroethene	7.0	6.9		ug/m3	EPA TO-15	
Ethylbenzene	44	4.4		ug/m3	EPA TO-15	
m,p-Xylene	180	8.8		ug/m3	EPA TO-15	
Styrene	71	4.3		ug/m3	EPA TO-15	
o-Xylene	64	4.4		ug/m3	EPA TO-15	
4-Ethyltoluene	24	5.0		ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	38	5.0		ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	110	5.0		ug/m3	EPA TO-15	

Sample ID: **SB-09-05-SV**

Laboratory ID: **E706046-07**

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chloromethane	2.2	2.1		ug/m3	EPA TO-15	
Toluene	25	3.8		ug/m3	EPA TO-15	
Ethylbenzene	11	4.4		ug/m3	EPA TO-15	
m,p-Xylene	53	8.8		ug/m3	EPA TO-15	
Styrene	26	4.3		ug/m3	EPA TO-15	
o-Xylene	29	4.4		ug/m3	EPA TO-15	
4-Ethyltoluene	7.8	5.0		ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	19	5.0		ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	63	5.0		ug/m3	EPA TO-15	

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Project: ST061317-10
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16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-01-15-SV (E706046-01) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	3.9	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	29	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	14	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	73	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	

Stantec - Redlands
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Project: ST061317-10
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Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-01-15-SV (E706046-01) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	21	4.4	"	"	"	"	"	"	
m,p-Xylene	68	8.8	"	"	"	"	"	"	
Styrene	18	4.3	"	"	"	"	"	"	
o-Xylene	21	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	6.4	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	8.3	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	20	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

119 % 76-134

" " " "

Surrogate: Toluene-d8

103 % 78-125

" " " "

Surrogate: 4-Bromofluorobenzene

81.6 % 77-127

" " " "

SB-01-05-SV (E706046-02) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17

1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	7.2	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-01-05-SV (E706046-02) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Dichloroethane	ND	4.1	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	26	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	6.4	4.4	"	"	"	"	"	"	
m,p-Xylene	21	8.8	"	"	"	"	"	"	
Styrene	9.7	4.3	"	"	"	"	"	"	
o-Xylene	8.6	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	7.3	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	6.5	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	

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Project Manager: Mr. Dion Monge

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-01-05-SV (E706046-02) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,2,4-Trichlorobenzene	ND	38	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		119 %	76-134		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.4 %	78-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.7 %	77-127		"	"	"	"	
SB-02-05-SV (E706046-03) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	9.3	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-02-05-SV (E706046-03) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
4-Methyl-2-pentanone (MIBK)	ND	8.3	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	13	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	28	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		123 %	76-134		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	78-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.7 %	77-127		"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-05-05-SV (E706046-04) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	5.2	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	9.5	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	

Stantec - Redlands
25864-F Business Center Drive
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Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-05-05-SV (E706046-04) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	10	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

123 % 76-134

" " " "

Surrogate: Toluene-d8

95.9 % 78-125

" " " "

Surrogate: 4-Bromofluorobenzene

89.1 % 77-127

" " " "

SB-05-05-SV-REP (E706046-05) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17

1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-05-05-SV-REP (E706046-05) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Dichloroethane	ND	4.1	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	5.5	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	6.4	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	9.2	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	

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Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-05-05-SV-REP (E706046-05) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,2,4-Trichlorobenzene	ND	38	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		120 %	76-134		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	78-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.5 %	77-127		"	"	"	"	
SB-07-05-SV (E706046-06) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	7.7	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	8.5	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	

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16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-07-05-SV (E706046-06) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
4-Methyl-2-pentanone (MIBK)	ND	8.3	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	100	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	7.0	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	44	4.4	"	"	"	"	"	"	
m,p-Xylene	180	8.8	"	"	"	"	"	"	
Styrene	71	4.3	"	"	"	"	"	"	
o-Xylene	64	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	24	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	38	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	110	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		122 %	76-134		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	78-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	77-127		"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-09-05-SV (E706046-07) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	2.2	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	6.1	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	25	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-09-05-SV (E706046-07) Vapor Sampled: 12-Jun-17 Received: 13-Jun-17									
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3	1	EF71412	14-Jun-17	14-Jun-17	EPA TO-15	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	11	4.4	"	"	"	"	"	"	
m,p-Xylene	53	8.8	"	"	"	"	"	"	
Styrene	26	4.3	"	"	"	"	"	"	
o-Xylene	29	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	7.8	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	19	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	63	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		122 %	76-134		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	78-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	77-127		"	"	"	"	

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Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF71412 - TO-15

Blank (EF71412-BLK1)

Prepared & Analyzed: 14-Jun-17

1,1-Difluoroethane (LCC)	ND	5.5	ug/m3
Dichlorodifluoromethane (F12)	ND	5.0	"
Chloromethane	ND	2.1	"
Dichlorotetrafluoroethane (F114)	ND	7.1	"
Vinyl chloride	ND	2.6	"
Bromomethane	ND	16	"
Chloroethane	ND	8.0	"
Trichlorofluoromethane (F11)	ND	5.6	"
1,1-Dichloroethene	ND	4.0	"
Tertiary-butyl alcohol (TBA)	ND	6.1	"
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"
Methylene chloride (Dichloromethane)	ND	3.5	"
Carbon disulfide	ND	6.3	"
trans-1,2-Dichloroethene	ND	8.0	"
Methyl tertiary-butyl ether (MTBE)	ND	3.6	"
1,1-Dichloroethane	ND	4.1	"
2-Butanone (MEK)	ND	30	"
cis-1,2-Dichloroethene	ND	4.0	"
Diisopropyl ether (DIPE)	ND	4.2	"
Chloroform	ND	4.9	"
Ethyl tert-butyl ether (ETBE)	ND	4.2	"
1,1,1-Trichloroethane	ND	5.5	"
1,2-Dichloroethane (EDC)	ND	4.1	"
Benzene	ND	3.2	"
Carbon tetrachloride	ND	6.4	"
Tertiary-amyl methyl ether (TAME)	ND	4.2	"
Trichloroethene	ND	5.5	"
1,2-Dichloropropane	ND	9.4	"
Bromodichloromethane	ND	6.8	"
cis-1,3-Dichloropropene	ND	4.6	"
4-Methyl-2-pentanone (MIBK)	ND	8.3	"
trans-1,3-Dichloropropene	ND	4.6	"
Toluene	ND	3.8	"
1,1,2-Trichloroethane	ND	5.5	"

Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF71412 - TO-15

Blank (EF71412-BLK1)

Prepared & Analyzed: 14-Jun-17

2-Hexanone (MBK)	ND	8.3	ug/m3
Dibromochloromethane	ND	8.6	"
Tetrachloroethene	ND	6.9	"
1,2-Dibromoethane (EDB)	ND	7.8	"
1,1,1,2-Tetrachloroethane	ND	7.0	"
Chlorobenzene	ND	4.7	"
Ethylbenzene	ND	4.4	"
m,p-Xylene	ND	8.8	"
Styrene	ND	4.3	"
o-Xylene	ND	4.4	"
Bromoform	ND	10	"
1,1,2,2-Tetrachloroethane	ND	7.0	"
4-Ethyltoluene	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	12	"
1,4-Dichlorobenzene	ND	12	"
1,2-Dichlorobenzene	ND	12	"
Naphthalene	ND	5.3	"
1,2,4-Trichlorobenzene	ND	38	"
Hexachlorobutadiene	ND	54	"

Surrogate: 1,2-Dichloroethane-d4	254	"	214	179	76-134
Surrogate: Toluene-d8	217	"	207	105	78-125
Surrogate: 4-Bromofluorobenzene	316	"	364	86.6	77-127

LCS (EF71412-BS1)

Prepared & Analyzed: 14-Jun-17

Dichlorodifluoromethane (F12)	110	5.0	ug/m3	101	112	59-128
Vinyl chloride	49	2.6	"	52.0	95.2	64-127
Chloroethane	43	8.0	"	53.6	80.8	63-127
Trichlorofluoromethane (F11)	110	5.6	"	113	101	62-126
1,1-Dichloroethene	69	4.0	"	80.8	85.9	61-133
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155	98.7	66-126
Methylene chloride (Dichloromethane)	65	3.5	"	70.8	91.1	62-115

Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF71412 - TO-15

LCS (EF71412-BS1)

Prepared & Analyzed: 14-Jun-17

trans-1,2-Dichloroethene	57	8.0	ug/m3	80.8		70.3	67-124			
1,1-Dichloroethane	68	4.1	"	82.4		82.3	68-126			
cis-1,2-Dichloroethene	61	4.0	"	80.0		75.7	70-121			
Chloroform	96	4.9	"	99.2		97.0	68-123			
1,1,1-Trichloroethane	100	5.5	"	111		94.1	68-125			
1,2-Dichloroethane (EDC)	80	4.1	"	82.4		97.5	65-128			
Benzene	52	3.2	"	64.8		80.4	69-119			
Carbon tetrachloride	120	6.4	"	128		96.8	68-132			
Trichloroethene	100	5.5	"	110		92.0	71-123			
Toluene	62	3.8	"	76.8		80.7	66-119			
1,1,2-Trichloroethane	93	5.5	"	111		83.3	73-119			
Tetrachloroethene	110	6.9	"	138		81.3	66-124			
1,1,1,2-Tetrachloroethane	120	7.0	"	140		86.4	67-129			
Ethylbenzene	71	4.4	"	88.4		79.8	70-124			
m,p-Xylene	80	8.8	"	88.4		90.3	61-134			
o-Xylene	72	4.4	"	88.4		81.9	67-125			
1,1,2,2-Tetrachloroethane	120	7.0	"	140		83.2	65-127			

Surrogate: 1,2-Dichloroethane-d4	256		"	214		120	76-134			
Surrogate: Toluene-d8	201		"	207		96.9	78-125			
Surrogate: 4-Bromofluorobenzene	337		"	364		92.4	77-127			

Stantec - Redlands
25864-F Business Center Drive
Redlands, CA 92374

Project: ST061317-10
Project Number: 185803925/ San Juan Capistrano, CA
Project Manager: Mr. Dion Monge

Reported:
16-Jun-17 12:46

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpinc.com/about/certifications.

Sample Receipt (Lab Use Only)	
Date Rec'd: 6/13/17	Control #: 170501.01
H&P Project # ST06317-10	
Lab Work Order # E706046	
Sample Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: 11167	Temp: 22°
Outside Lab:	
Receipt Notes/Tracking #: 1293Tf619 05056 9166	
Lab PM Initials: (LR)	

Appendix 6A1, Rev 5/23/2016, Effective 5/23/2016

APPENDIX B
BORING LOG

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-01 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **16.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
		SM	SILTY SAND ; SM; 10YR 6/4 light yellowish brown; little rock fragments; fine to medium grained sand; some fines; moist; no staining; no odor.							
		CL	SANDY CLAY ; CL; 10YR 4/3 brown; some fine grained sand; medium to high plasticity fines; moist; no staining; no odor.		0730 SB-01-0/5			0.0		← Backfilled with hydrated bentonite.
5		ML	ML; 10YR 6/6 brownish yellow; some fine grained sand; non-plastic fines; moist; no staining; no odor.						5	← Backfilled with 6" of dry granular bentonite. Soil vapor probe installed at 5' bgs in No. 3 sand.
		CL	CL; 10YR 4/3 brown; some fine grained sand; medium to high plasticity fines; moist; no staining; no odor.		0735 SB-01-5/10			0.0		
10		SM	SILTY SAND ; SM; 10YR 6/4 light yellowish brown; little rock fragments; fine to medium grained sand; some fines; moist; no staining; no odor.						10	← Backfilled with hydrated bentonite.
		CL	CL; 10YR 4/3 brown; some fine grained sand; medium to high plasticity fines; moist; no staining; no odor.		0740 SB-01-10/16			0.0		
15									15	← Backfilled with 6" of dry granular bentonite. Soil vapor probe installed at 15' bgs in No. 3 sand.
			Borehole terminated at 16 feet.							

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:

SB-02

PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.							
			Asphalt layer.							
		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.		0815 SB-02-0/5			0.0		
5		ML	SANDY SILT ; ML; 10YR 5/4 yellowish brown						5	
		SC	CLAYEY SAND ; SC; 10YR 4/4 dark yellowish brown; fine to coarse grained sand; medium plasticity fines; moist; no staining; no odor.		0825 SB-02-5/10			0.0		
10			Borehole terminated at 10 feet.						10	
15									15	

← Backfilled with hydrated bentonite.

← Backfilled with 6" of dry granular bentonite. Soil vapor probe installed at 5' bgs in No. 3 sand.

← Backfilled with hydrated bentonite.

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:

SB-03

PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **10.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.		0840 SB-03-0/5				5	
10		SC	CLAYEY SAND ; SC; 10YR 4/4 dark yellowish brown; fine to coarse grained sand; some medium to high plasticity fines; moist; no staining; no odor. Darker color; no odor at 7 feet bgs.		0850 SB-03-5/10			0.0	10	
15			Borehole terminated at 10 feet.						15	

← Backfilled with hydrated bentonite.

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-04 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **Not Encountered**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **---**
 LOGGED BY: **J. Sargent**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft):
 BOREHOLE DEPTH (ft): **10.0**
 BOREHOLE DIA. (in): **2.25**
 CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 6/4 light yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.		0918 SB-04-0/5			0.0	5	← Backfilled with hydrated bentonite.
		SC	CLAYEY SAND ; SC; 10YR 4/4 dark yellowish brown; fine to coarse grained sand; some medium to high plasticity fines; moist; no staining; no odor. Dark soil; no odor from 7.5 to 8.5 feet bgs.		0944 SB-04-5/10			0.0		
10			Borehole terminated at 10 feet.						10	
15									15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-05 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 4/3 brown; fine to coarse grained sand; some fines; moist; no staining; no odor. Trace rock fragment at 3 feet bgs.		0950 SB-05-0/5			0.0	5	<p>← Backfilled with hydrated bentonite.</p> <p>← Backfilled with 6" of dry granular bentonite. Soil vapor probe installed at 5' bgs in No. 3 sand.</p>
10									10	
15									15	
			Borehole terminated at 5 feet.							




PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-06 PAGE 1 OF 1




DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**




Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SC	CLAYEY SAND ; SC; 10YR 5/3 brown; fine to coarse grained sand; some medium plasticity fines; moist; no staining; no odor. Trace rock fragments at 4 feet bgs.		1005 SB-06-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
			Borehole terminated at 5 feet.							

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO: **SB-07** PAGE 1 OF 1


DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **Not Encountered**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **---**
 LOGGED BY: **J. Sargent**
 EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft):
 BOREHOLE DEPTH (ft): **5.0**
 BOREHOLE DIA. (in): **2.25**
 CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.		1011 SB-07-0/5			0.0	5	 <p>← Backfilled with hydrated bentonite.</p> <p>← Backfilled with 6" of dry granular bentonite. Soil vapor probe installed at 5' bgs in No. 3 sand.</p>
			Borehole terminated at 5 feet.							

PROJECT: **Watt - San Juan Capistrano**
LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:

SB-08




PAGE 1 OF 1



DRILLING / INSTALLATION:

STARTED **6/9/17** COMPLETED: **6/9/17**
DRILLING COMPANY: **Core Probe International, Inc.**
DRILLING EQUIPMENT: **Geoprobe 5400**
DRILLING METHOD: **Direct Push Technology**
SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SC	CLAYEY SAND ; SC; 10YR 5/3 brown; fine to coarse grained sand; some medium plasticity fines; moist; no staining; no odor.		1115 SB-08-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
			Borehole terminated at 5 feet.							
10									10	
15									15	

[illegible]

PROJECT: Watt - San Juan Capistrano LOCATION: SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA PROJECT NUMBER: 185803925		WELL / PROBEHOLE / BOREHOLE NO: SB-10 PAGE 1 OF 1	
DRILLING / INSTALLATION: STARTED 6/9/17 COMPLETED: 6/9/17 DRILLING COMPANY: Core Probe International, Inc. DRILLING EQUIPMENT: Geoprobe 5400 DRILLING METHOD: Direct Push Technology SAMPLING EQUIPMENT: Acetate Liner		NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): Not Encountered STATIC DTW (ft): Not Encountered WELL CASING DIA. (in): --- LOGGED BY: J. Sargent	
		EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 5.0 BOREHOLE DIA. (in): 2.25 CHECKED BY: D. Monge	

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
		SC	CLAYEY SAND ; SC; 10YR 4/3 brown; fine to coarse grained sand; some medium plasticity fines; moist; no staining; no odor.		1145 SB-10-0/5			0.0		
5		CL	SANDY CLAY ; CL; 10YR 4/3 brown; some fine to coarse grained sand; medium plasticity fines; moist; no staining; no odor. Borehole terminated at 5 feet.						5	← Backfilled with hydrated bentonite.
10									10	
15									15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-11 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **12.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; fine to coarse grained sand; some fines; moist; no staining; no odor.		1337 SB-11-0/5				5	 ← Backfilled with hydrated bentonite.
10		CL	SANDY CLAY ; CL; 10YR 3/2 very dark grayish brown; some fine grained sand; medium to high plasticity fines; moist; dark; no odor.		1340 SB-11-8			8.0	10	
15			Borehole terminated at 12 feet.		1343 SB-11-11				15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:

SB-12

PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **12.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
		SM	SILTY SAND WITH GRAVEL ; SM; 10YR 5/4 yellowish brown; some fine gravel; fine to coarse grained sand; some fines; moist; no staining; no odor.		1411 SB-12-0/5			0.0		
5		CL	SANDY CLAY ; CL; 10YR 4/4 dark yellowish brown; trace rock fragments; some fine to coarse grained sand; medium to high plasticity fines; moist; no staining; no odor.						5	
		CL	CLAY WITH SAND ; CL; 10YR 2/2 very dark brown; little fine grained sand; medium to high plasticity fines; moist; no staining; no odor.		1416 SB-12-7			0.0		
10		SP	POORLY GRADED SAND ; SP; 10YR 5/6 yellowish brown; medium to coarse grained sand; trace fines; moist; no staining; no odor.		1418 SB-12-10			0.0	10	
			Borehole terminated at 12 feet.							
15									15	

← Backfilled with hydrated bentonite.

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:

SB-13

PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **12.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 5/3 brown; trace rock fragments; fine to coarse grained sand; some fines; moist; no staining; no odor.		1428 SB-13-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
10		CL	SANDY CLAY ; CL; 10YR 5/3 brown; some fine to coarse grained sand; medium to high plasticity fines; moist; no staining; no odor.		1431 SB-13-9			0.0	10	
		SP	POORLY GRADED SAND ; SP; 10YR 5/6 yellowish brown; medium to coarse grained sand; trace fines; moist; no staining; no odor. Borehole terminated at 12 feet.		1434 SB-13-12			0.0	15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-14 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **12.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND WITH GRAVEL ; SM; 10YR 5/4 yellowish brown; some fine gravel; fine to coarse grained sand; some fines; moist; no staining; no odor.		1505 SB-14-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
		CL	SANDY CLAY ; CL; 10YR 4/4 dark yellowish brown; trace rock fragments; some fine to coarse grained sand; medium to high plasticity fines; moist; no staining; no odor.		1510 SB-14-8					
		CL	CLAY ; CL; 10YR 2/2 very dark brown; trace fine grained sand; medium to high plasticity fines; moist; no staining; no odor.							
10		SP	POORLY GRADED SAND ; SP; 10YR 5/6 yellowish brown; medium to coarse grained sand; trace fines; moist; no staining; no odor.		1512 SB-14-11				10	
15			Borehole terminated at 12 feet.						15	




PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-15 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND WITH GRAVEL ; SM; 10YR 5/4 yellowish brown; some rock fragments; fine to coarse grained sand; some fines; moist; no staining; no odor.		1356 SB-15-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
			Borehole terminated at 5 feet.							
10									10	
15									15	




PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-16 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 6/4 light yellowish brown; fine grained sand; some fines; moist; no staining; no odor.		1443 SB-16-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
			Borehole terminated at 5 feet.							
10									10	
15									15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**




WELL / PROBEHOLE / BOREHOLE NO:
SB-17 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **Not Encountered**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **---**
 LOGGED BY: **J. Sargent**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft):
 BOREHOLE DEPTH (ft): **5.0**
 BOREHOLE DIA. (in): **2.25**
 CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
5		SM	SILTY SAND ; SM; 10YR 5/4 yellowish brown; little rock fragments; fine to coarse grained sand; some fines; moist; no staining; no odor.		1455 SB-17-0/5			0.0	5	 ← Backfilled with hydrated bentonite.
			Borehole terminated at 5 feet.							
10									10	
15									15	

PROJECT: **Watt - San Juan Capistrano**
 LOCATION: **SWC Calle Arroyo and Paseo Tirador, San Juan Capistrano, CA**
 PROJECT NUMBER: **185803925**

WELL / PROBEHOLE / BOREHOLE NO:
SB-18 PAGE 1 OF 1



DRILLING / INSTALLATION:
 STARTED **6/9/17** COMPLETED: **6/9/17**
 DRILLING COMPANY: **Core Probe International, Inc.**
 DRILLING EQUIPMENT: **Geoprobe 5400**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liner**

NORTHING (ft): EASTING (ft):
 LAT: LONG:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft):
 STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
 WELL CASING DIA. (in): **---** BOREHOLE DIA. (in): **2.25**
 LOGGED BY: **J. Sargent** CHECKED BY: **D. Monge**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
		SM	<p>SILTY SAND ; SM; 10YR 4/3 brown; fine to coarse grained sand; some fines; moist; no staining; no odor.</p> <p>Glass and brick fragments observed at 2 feet bgs.</p> <p>Refusal at 4.5 feet bgs.</p> <p>Borehole terminated at 5 feet.</p>		1257 SB-18-0/5				5	<p>← Backfilled with hydrated bentonite.</p>
5										
10									10	
15									15	