



## **Phase I Environmental Site Assessment Report**

**23591 El Toro Road and 24551 Raymond Way  
Lake Forest, California**

**Converse Project No. 19-42-162-01  
July 5, 2019 revised April 21, 2020**

**Prepared For:**

**National CORE  
lcontreras@nationalcore.org**

**Prepared By:**

**Converse Consultants  
717 South Myrtle Avenue  
Monrovia, California 91016**



# Converse Consultants

Geotechnical Engineering, Environmental and Groundwater Science, Inspection and Testing Services

July 5, 2019 revised April 21, 2020

Ms. Lorna Contreras  
National CORE  
lcontreras@nationalcore.org

**Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**  
23591 El Toro Road and 24551 Raymond Way  
Lake Forest, California  
Converse Project No. 19-42-162-01

Ms. Contreras:

Converse Consultants (Converse) is pleased to submit the attached report that summarizes the activities and the results of a Phase I Environmental Site Assessment (Phase I ESA) that was conducted at the referenced property.

A summary of the assessment is presented in the Executive Summary, as well as in Sections 8.0, 9.0, and 10.0 of the report. Recognized Environmental Conditions were identified during this assessment. Further assessment is recommended.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact Spencer Wagner at (562) 505-5219 or Norman S. Eke at (626) 930-1260 .

## CONVERSE CONSULTANTS

Spencer Wagner  
Senior Staff Environmental Scientist

Norman S. Eke  
Senior Vice President/Managing Officer



# Executive Summary

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The following is an Executive Summary of the Phase I Environmental Site Assessment (Phase I ESA) that was conducted by Converse Consultants (Converse). Please refer to the appropriate sections of the report for a complete discussion of these issues. In the event of a conflict between this Executive Summary and the report, or an omission in the Executive Summary, the report shall prevail.

This report presents the results of the Converse Phase I ESA performed at 23591 El Toro Road and 24551 Raymond Way in the City of Lake Forest, Orange County County, California, referred to as the Property in this report. Converse was retained by National CORE to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent practical within the scope of an ESA, Recognized Environmental Conditions (RECs) in connection with the Property.

Converse has compiled and reviewed information that was obtained from interviews, document research, and on-site and area reconnaissance to identify potential environmental conditions at the Property, in conformance with the ASTM Standard E: 1527-13 Environmental Site Assessment Standard Practice (ASTM Standard: E1527- 13). This Phase I ESA was conducted during the period of June 7, 2019 to July 5, 2019 revised April 21, 2020.

Recognized Environmental Conditions were identified during this assessment.

Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
3.0	USER PROVIDED INFORMATION & RESPONSIBILITIES	✓					
5.2.5	Summary of Historical Property Use	✓					The historical agricultural use on portion of the Property is not considered a REC as the Property has since been redeveloped.



Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
5.2.6	Summary of Past Uses of Adjoining Properties		✓				The former dry cleaning operations on the southern/ southwestern adjoining property is considered a REC due to the proximity to the Property, and the ongoing open investigation at the site. The former dry cleaning operations at the southeastern adjoining property is not considered a REC due to the distance from the Property and the cross-gradient location of the site from the Property with respect to the groundwater gradient.
5.2.7	Summary of Past Uses of the Surrounding Area	✓					
5.3.1	Property Listings	✓					



Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
5.3.2	Adjoining Properties		✓				The open investigation/ remediation of PCE contamination on the southern/ southwestern adjoining property is considered a REC based on data indicating the presence of elevated concentrations of PCE in soil, soil-vapor, and groundwater at locations approximately 20 to 25 feet from the boundary of the Property. The ongoing PCE investigation on the southeastern adjoining shopping center does not rise to the level of a REC due to the distance from the Property and the cross-gradient location of the Property with respect to the



Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
							direction of groundwater flow; however, the site is considered an environmental concern.
5.3.3	Other Off-site Locations of Concern	✓					



Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
5.4	Additional Environmental Record Sources		✓				The open investigation/ remediation of PCE contamination on the southern/ southwestern adjoining property (24601 Raymond Way) is considered a REC based on data indicating the presence of elevated concentrations of PCE in soil, soil-vapor, and groundwater at locations approximately 20 to 25 feet from the boundary of the Property. The ongoing PCE investigation on the southeastern adjoining shopping center (23512-23532 El Toro Road) does not rise to the level of a REC due to the distance from the Property and the cross-gradient



Report Section		No Further Action	REC	CREC	HREC	Other Environmental Considerations	Recommended Action / Comments
							location of the Property with respect to the direction of groundwater flow; however, the site is considered an environmental concern.
6.3	Interior Observations of Property	✓					
6.4	Exterior Observations of Property	✓					
6.5	Current Uses of Adjoining Properties	✓					
6.6	Current Uses of Surrounding Area	✓					
7.0	INTERVIEWS	✓					



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# 1.0 INTRODUCTION

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## ***1.1 Purpose and Scope of Services***

This report presents the results of the Converse Consultants (Converse) Phase I Environmental Site Assessment (ESA) performed at 23591 El Toro Road and 24551 Raymond Way in the City of Lake Forest, Orange County County, California, referred to as the Property in this report. Converse was retained by National CORE to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent practical, Recognized Environmental Conditions (RECs) in connection with the Property. The term Recognized Environmental Conditions is defined in Section 1.1.1 of the American Society of Testing and Materials (ASTM) Standard Practice as the presence or likely presence of any hazardous substances or petroleum products in, at or on a property due to any release to the environment; under conditions indicative of a release to the environment; under conditions that pose a material threat of a future release to the environment.

This Phase I ESA was completed in accordance with our proposal dated June 7, 2019. Our work consisted of the following and was completed in general conformance with the scope and limitations of the ASTM Practice E1527-13 and complies with standards and practices set forth in 40 Code of Federal Regulations (CFR) Part 312 for AAI.

- Interviews with the Property owner representatives
- Property and vicinity reconnaissance
- Review of regulatory agency records
- Description of physical setting
- Historical review
- Interviews with public agency personnel
- Preparation of this report



## ***1.2 Non-Scope Considerations***

There are a number of non-scope issues which are sometimes assessed concurrently with a Phase I ESA. Unless specifically agreed in the contract proposal documents, these non-scope considerations are not included as part of the Phase I ESA. Examples of non-scope issues include:

- Asbestos-containing Building Materials
- Biological Agents
- Cultural & Historic Resources
- Diffuse Anthropogenic Pollution
- Ecological Resources
- Endangered Species
- Health & Safety
- Indoor Air Quality
- Industrial Hygiene
- Lead-base Paints
- Lead in Drinking Water
- Mold
- Non-liquid Polychlorinated Biphenyls
- Radon
- Regulatory Compliance
- Wetlands

No Non-Scope issues were addressed in this report.

## ***1.3 Significant Assumptions***

No assumptions were made for this assessment that need to be noted as significant.

## ***1.4 Limitations and Exceptions***

The following limitations and exceptions were encountered during the course of this assessment:

- An information request pertaining to the Property was submitted to the Orange County Fire Authority, however, a response was not received during the timeframe of this assessment.

## ***1.5 Special Terms and Conditions***

There were no special terms or conditions.



## **1.6 Reliance**

This report is for the sole benefit and exclusive use of National CORE in accordance with the terms and conditions attached to our proposal under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of National CORE.

This report should not be regarded as a guarantee that no further contamination, beyond that which could be detected within the scope of this assessment, is present at the Property. Converse makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this assessment. It is not possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the assessment. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to Converse at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party's sole risk. Should National CORE wish to identify any additional relying parties not previously identified, a completed Application of Authorization to Use (see Appendix A of this report) must be submitted to Converse Consultants.



## 2.0 PROPERTY DESCRIPTION

Item	Comment
Current Use(s) of the Property	<p>The Study Property is developed with two (2) commercial office buildings.</p> <p>A Study Property location map and a field generated Property plan are provided in Appendix B. Pertinent Property photographs are provided in Appendix C.</p>
Location and Legal Description	<p>The Study Property is located at 23591 El Toro Road and 24551 Raymond Way, Lake Forest, California. It is located north of the intersection of El Toro Road and Raymond Way and is located approximately 0.56-miles northeast of Interstate 5 (San Diego Freeway).</p> <p>The Study Property consists of one (1) single parcel (APN 617-441-02) totalling 3.76-acres. The parcel is fully developed with two 2-story office buildings, surface parking lots and landscaped areas.</p> <p>The proposed Project will require a Tentative Parcel Map to divide the parcel into two. Parcel 1 will be approximately 1.96 acres (85,590 square feet) on the western and northern portion of the site fronting Raymond Way and Packer Place. Parcel 2 will be approximately 1.798 acres (78,320 square feet) rectangular parcel on the southeastern half of the site, fronting El Toro Road.</p>
Zoning Information	<p>According to the City of Lake Forest, Planning Department, the zoning for the proposed project site is zoned PA for professional/ administrative (APN: 617-441-02).</p>



Item	Comment
Property Characteristics	<p>The Study Property consists of one single L-shaped parcel totaling 3.76 acres.</p> <p>The Property is generally level, covered with asphalt-paved parking and is developed with two (2), two-story commercial office buildings.</p> <p>Properties in the general area are used for commercial and residential purposes.</p>
Description of Property Structure(s)	<p>There are one (1), two-story commercial-office buildings located on the Property. The buildings are wood-framed and concrete masonry block structures. Building materials in the interior of the building consisted primarily of ceramic tile flooring, drop-tile ceiling panels, and painted drywall or concrete masonry walls.</p>
<p><b>The following services were present at the Property at the time of the assessment.</b></p>	
Electricity:	Southern California Edison
Gas:	The Gas Company
Potable Water:	El Toro Water District
Sanitary Sewer:	El Toro Water District
Heating, Ventilation, Air Conditioning (HVAC):	Roof-mounted HVAC units
Solid Waste:	CR&R

## 3.0 USER PROVIDED INFORMATION & RESPONSIBILITIES

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### ***3.1 Requested Documents and Information***

The ASTM E1527-13 specifies that the User, National CORE provide any helpful documents that may be available, as listed below.

- Environmental site assessment or environmental compliance audit reports
- Environmental permits or hazardous waste generator notices/reports
- Registrations for aboveground and underground storage tanks
- Septic systems, oil wells, or water wells
- Registrations for underground injection systems
- Material Safety Data Sheets; Community Right to Know Plans; or Safety, Preparedness and prevention Plans; Spill Protection Countermeasures and Control Plans
- Reports regarding hydrologic conditions on the Property or surrounding area
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Property or relating to environmental liens encumbering the Property.
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded Activity Use Limitations (AULs)
- Proceedings regarding hazardous substances and petroleum products including any pending, threatened or past: litigation; administrative proceedings; or notices from any governmental entity regarding possible violations of environmental laws or other possible liability related to hazardous substances or petroleum products.

No information/documentation was provided by National CORE.

### ***3.2 User Provided Information***

Section 6 of ASTM E1527-13 outlines specific User's responsibilities. This information will help identify the possibility of RECs in connection with the Property. The ASTM Standard provides a questionnaire to help the User to comply with the statutory

requirements to perform tasks which would help identify RECs. Converse included the questionnaire as Attachment A to our proposal. In general, any Users should make Converse aware of information they have regarding the following:

- Environmental Cleanup Liens filed or recorded against the Property
- Activity and land use limitations that are in place on the Property or have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the Legal Liability Protections (LLP)
- Relationship of the purchase price to fair market value of the Property if it were not contaminated
- Commonly known or reasonably ascertainable information about the Property
- The degree or obviousness of the presence or likely presence of contamination at the Property, and the ability to detect this contamination by appropriate investigation.

The following information was requested from the User, National Core.

### *3.2.1 Environmental Cleanup Liens*

The User had no information regarding environmental cleanup liens or title records.

### *3.2.2 Activity and Use Limitations*

The User did not have any information indicating they were aware of any AULs.

### *3.2.3 Specialized Knowledge or Experience*

The User did not have any information indicating they had specialized knowledge or experience related to the Property or nearby property.

#### *3.2.4 Reason for Significantly Lower Purchase Price*

Converse has no information regarding the purchase price of the Property or comparable properties. The User has not indicated to Converse that there is any conclusion that there was a lower purchase price because of known or suspected contamination at the Property.

#### *3.2.5 Commonly Known or Reasonably Ascertainable Information*

The User did not have any information about past uses, specific chemicals at the Property, past spills, environmental cleanup or other reasonably ascertainable information regarding the Property.

#### *3.2.6 Obviousness of Contamination*

The User did not provide any information based on their knowledge or experience that would be obvious indicators of contamination on the Property.

Unless specifically stated otherwise in the Scope of Services, the purpose of this Phase I ESA was to qualify for the landowner liability protections to CERCLA Liability as described in ASTM E1527-13.

Business risk unrelated to the CERCLA innocent landowners defense are only assessed as specifically agreed in the Scope of Services and discussed in Section 11.0, Additional Non-Scope Services, of this report.

### **3.3 Continuing Obligations**

In order to assert a LLP, the User must satisfy a number of statutory requirements that are generally referred to as Continuing Obligations, which are outside the Scope of Services of the Phase I ESA. Examples of Continuing Obligations include providing legally required notices, stopping continuing releases and complying with land use restrictions. Failure to comply with these and other statutory post-acquisition requirements will jeopardize liability protection.

It is the responsibility of the User to comply with the Continuing Obligations requirements of ASTM E1527-13 and AAI. Anyone seeking LLP protections should take independent action beyond this Phase I ESA to perfect their position.



## 4.0 OWNER PROVIDED INFORMATION

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The ASTM E1527-13 specifies that the Property owner and the Key Site Manager provide any helpful documents that may be available as listed below.

- Environmental site assessment or environmental compliance audit reports
- Environmental permits or hazardous waste generator notices/reports
- Registrations for aboveground and underground storage tanks
- Septic systems, oil wells, or water wells
- Registrations for underground injection systems
- Material Safety Data Sheets; Community Right to Know Plans; or Safety, Preparedness and Prevention Plans; Spill Protection Countermeasures and Control Plans
- Reports regarding hydrologic conditions on the Property or surrounding area
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Property or relating to environmental liens encumbering the Property.
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded AULs
- Proceedings regarding hazardous substances and petroleum products including any pending, threatened or past: litigation; administrative proceedings; or notices from any governmental entity regarding possible violations of environmental laws or other possible liability related to hazardous substances or petroleum products.

The Owner representative, Ms. Kristi Cozens, did not provide any documentation, and had no knowledge of any environmental issues associated with the Property.



## 5.0 RECORDS REVIEW

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### 5.1 Physical Setting

Item	Comments
Physical Setting:	The Property is located approximately 400 feet above mean sea level with surface topography sloping towards the north/northeast (United States Geological Survey [USGS] Topographic Map, Lake Forest, CA.
Geology:	The Property is underlain by unconsolidated and semi-consolidated alluvium, lake, playa, and terrace deposits (Division of Mines and Geology, Geologic Map of California, 2010).
Groundwater:	According to data obtained from the State Water Resources Control Board's Geotracker database, results of groundwater monitoring on the southwestern/western adjoining property indicate that groundwater levels in March of 2019 were measured to be between 19 and 26 feet beneath ground surface (bgs). Groundwater flow direction was measured to be to the northeast.
Potable Water Supply:	Potable water is supplied by the El Toro Water District.

### 5.2 Historical Review

#### 5.2.1 Aerial Photograph and Map Review

Available historical aerial photographs and historical maps, which were provided by Environmental Risk Information Services (ERIS), were reviewed.

A summary of the review is provided in the following table. Copies of the aerial photographs and maps are provided in an appendix to this report.



The Property was not depicted on the 1935, 1950, 1978, 1982 and 1997 Topographic Maps so those maps were not discussed.

**Table 1 – Historical Resource Review**

<b>Property</b>	<b>Adjoining Properties</b>	<b>General Vicinity</b>
<b>1931 and 1939 Aerial Photographs, 1942 Topographic Map, 1946 Aerial Photograph, 1948 and 1949 Topographic Maps, 1952, 1958, and 1963 Aerial Photographs</b>		
The Property is primarily undeveloped with a strip of agricultural land located in the southeast corner of the Property.	The adjoining properties are typically undeveloped or developed for agricultural use.	Undeveloped; Agricultural
<b>1968 Topographic Map, 1972 Aerial Photograph, 1974 Topographic Map</b>		
There are no significant identifiable changes in use on the Property.	The adjoining properties to the northwest, north, and east are developed with the existing residential neighborhoods. The adjoining properties to the east, and southeast are developed for agricultural use. The adjoining properties to the south, southwest, and west are undeveloped.	Undeveloped; Agricultural; Residential
<b>1981 Aerial Photograph and Topographic Map, 1988, 1994, 2002, 2005, 2009, 2010, 2012, 2014 Aerial Photographs, 2015 Topographic Map, 2016 and 2018 Aerial Photographs</b>		

Property	Adjoining Properties	General Vicinity
The Property is developed with the two (2) existing commercial office buildings.	The adjoining properties to the northwest, north, and northeast are developed with the existing residential neighborhoods. The adjoining properties to the east, southeast, south, and southwest are developed with the existing commercial shopping centers. The adjoining property to the west is developed with the existing commercial building.	Residential; Commercial

### *5.2.2 Building Permit Review*

Available building permits were provided by the City of Lake Forest, Department of Building & Safety. A chronological summary is provided below.

Building permits for the construction of two (2) commercial office buildings were issued to Mr. Jaime Liverant on May 4, 1977. The building addresses were listed as 2351 El Toro Road and 24551 Raymond Way.

A release from the water department to supply water to the Property was issued on January 25, 1978.

A certificate of occupancy date 1978 identified the Property complex as the Golden Coast Executive Offices.

Various other tenant improvement permits and certificates of occupancy showing commercial office tenants were issued at the Property between 1978 and 2018.

### *5.2.3 City Directories*

A city directory search was completed on the Property by EDR. The complete city directory is provided in Appendix D, Historical Research.

The Property was identified under commercial office listings from as early as 1981 through 2018.

The adjoining properties were identified under various commercial-retail listings from as early as 1981 through 2018.

A drycleaners was identified as operating on the southern adjoining property (24601 Raymond Way) in 1994 and 2000.

A drycleaners was identified as operating on the southeastern adjoining property (23532 El Toro Road) in 1989, 1994, and 2014.

### *5.2.4 Data Failure*

Historical information regarding the Property indicated the Property was undeveloped land as early as 1931 with a minor portion used for agricultural. Therefore, historical data failure occurred during this assessment.

Additional standard ASTM resources are not deemed likely to yield any significant new information. This is not deemed a significant data gap.

### *5.2.5 Summary of Historical Property Use*

From as early as 1931 to 1974, the majority of the Property was undeveloped land. During that time period, a strip of land located along the southeastern Property boundary was developed for agricultural use. The Property was developed with the two (2) existing commercial office buildings and associated parking lots in 1977.

### *5.2.6 Summary of Past Uses of Adjoining Properties*

From as early as 1931 to 1963, the adjoining properties were undeveloped and/or developed for agricultural use. By 1968, the adjoining properties to the northwest, north, and northeast were developed with the existing residential neighborhoods.

By 1981, the adjoining properties to the east, southeast, south, and southwest were developed with the existing shopping centers, and the adjoining property to the west was developed with the existing USPS building. A drycleaner operated on the southeastern adjoining property from 1985 to 2012. A drycleaner also operated on the southern/southwestern adjoining property from the 1970s through 2010.

#### *5.2.7 Summary of Past Uses of the Surrounding Area*

The surrounding area was typically undeveloped or developed for agricultural use from as early as 1931 through the 1960s. The area was further developed for residential and commercial-retail uses in the late 1960s through the early 1980s. The area has remained primarily developed for residential and commercial-retail uses.

### **5.3 Results of Environmental Records Sources Review**

An ERIS Database Report prepared specifically for the Property, adjoining properties and other off-site locations of concern. The search included queries to the following databases for cases within specified ASTM search distances. A copy of the database report is provided in an appendix to this report.

#### *5.3.1 Property Listings*

The Property was identified on the following databases in the ERIS report:

##### **Facility and Manifest Data (HAZNET)**

Database of sites which submit a hazardous waste manifest to DTSC.

There were seven (7) former tenants listed in this database. The listings appear to be related to medical wastes. No specific information pertaining to the quantities of wastes was listed.

### Target Property Summary

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
HAZNET	DR STEVE PARHAM	23591 EL TORO SUITE 110, LAKE FOREST, CA, 926300000	0.00/-	5.0	
HAZNET	TEKRANGE	23591 EL TORO RD STE 178, LAKE FOREST, CA, 92630	0.00/-	5.0	
HAZNET	LAKE FOREST DENTAL GROUP	23591 EL TORO SUITE 120, LAKE FOREST, CA, 926300000	0.00/-	5.0	
HAZNET	AMANI SOLIMAN DDS INC	23591 EL TORO RD STE 130, LAKE FOREST, CA, 92630	0.00/-	5.0	

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
HAZNET	ASHRAF SOLIMAN DDS	23591 EL TORO RD STE 130, LAKE FOREST, CA, 926304704	0.00/-	5.0	
HAZNET	CHOICE HEALTH CENTERS	24551 Raymond Way, Lake Forest, CA, 926304400	0.00/ SW	-4	
HAZNET	CHOICE HEALTH CENTER	24551 RAYMOND WAY, LAKE FOREST, CA, 926300000	0.00/ SW	-4	

### 5.3.2 Adjoining Properties

The following adjoining properties were identified in the regulatory database report:

- 23532 El Toro Road - The property is located southeast of the Property and was identified in the DRYCLEANERS, EMISSIONS, Orange County Industrial Cleanup Site (ORANGE ICP), Resource Conservation and Recovery Act Non-Generator (RCRA-Non Gen), and RCRA Small Quantity Generator (RCRA-SQG), Voluntary Cleanup Program (VCP), and Department of Toxic Substances Control (DTSC) Envirostor databases. The listings are related to the former Green Tree Cleaners, a dry cleaning business, that operated at the site from 1985 to 2012. Former drycleaning operations at the site have

impacted soil, soil-vapor, and groundwater beneath the site. The databases identified the former facility as having generated tetrachloroethylene (PCE) which is the primary contaminant identified in the soil, soil vapor, and groundwater. The site was previously under the oversight of the DTSC but has since been under the oversight of the Orange County Health Care Agency.

- 24601 Raymond Way - The site is located contiguous to the south/southwest of the Property and was identified in the California Environmental Reporting System (CERS) Hazardous Waste Site, DRYCLEANERS, EMISSIONS, Cleanup Sites, Orange County Lead Cases List (Orange LOP), and Orange ICP, databases. The listings are related to the former operation of a drycleaners at the site (Crown Cleaners). According to the databases. An active investigation was opened at the site in September 2016 and identified contamination beneath the site related to the former drycleaner operations. The databases provided links to records on the State Water Resources Control Board's Geotracker database. According to the records on the Geotracker database, the site was occupied by the drycleaners from the 1970s through 2010. Environmental studies conducted beginning in 2009 indicated that soil, soil-vapor and groundwater beneath the site were impacted by PCE. According to the most recent groundwater monitoring report, active soil vapor and groundwater remediation is underway at the site, along with groundwater sampling. According to the report, groundwater monitoring wells installed within the building footprint have greater than 100 micrograms per liter (ug/l) of dissolved PCE, with maximum concentrations frequently greater than 500 ug/L. In addition, the most recent monitoring event showed that two (2) wells located in the alleyway that separates the former drycleaners from the Property had concentrations of PCE in groundwater of 93 ug/l and 300 ug/l. In addition, groundwater level measurements indicated that the depth to groundwater in these two (2) wells was approximately 25 feet beneath ground surface (bgs), and groundwater gradient is toward the northeast (towards the Property). In addition, in June 2017, soil gas sampling was conducted at several locations in and adjacent to the former drycleaner unit. Vapor samples collected from depths of 10 and 15 feet bgs from a location in the alleyway separating the former cleaners from the Property had reported concentrations of PCE in soil vapor of 16 ug/l and 35 ug/l respectively. These were the highest concentrations of PCE reported in any of the soil vapor sample locations.



### Surrounding Properties Summary

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
HAZNET	UNITED STATES POSTAL SERVICE	24552 RAYMOND WAY, LAKE FOREST, CA, 926309978	0.01/ SSW	-2.0	Southwest - The Property is listed in the database. No additional pertinent information was provided.
DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO RD, LAKE FOREST, CA, 926300000	0.02/ ESE	5.0	Southeast - See write up above.
DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO BLVD, EL TORO, CA, 926300000	0.02/ ESE	5.0	Southeast - See write up above.
DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO RD #3, EL TORO, CA, 926300000	0.02/ ESE	5.0	Southeast - See write up above.

<b>Database</b>	<b>Site Name</b>	<b>Address</b>	<b>Dist. (mi) / Dir.</b>	<b>Elev. diff. (ft)</b>	<b>Comments</b>
EMISSIONS	ORANGE TREE CLEANERS	23532 EL TORO RD, #3, EL TORO, CA, 92630	0.02/ ESE	5.0	Southeast - See write up above.
EMISSIONS	ORANGE TREE CLEANERS, MICHAEL	23532 EL TORO RD, #3, EL TORO, CA, 92630	0.02/ ESE	5.0	Southeast - See write up above.
ORANGE ICP	ORANGE TREE PLAZA CLEANERS	23532 EL TORO RD, LAKE FOREST, CA, 92630-	0.02/ ESE	5.0	Southeast - See write up above.
RCRA NON GEN	SALONCENTR INC 6034	23532 EL TORO RD STE 6, LAKE FOREST, CA, 92630	0.02/ ESE	5.0	Southeast - See write up above.
RCRA SQG	ORANGE TREE PLAZA	23532 EL TORO ROAD UNIT #3, LAKE FOREST, CA, 92630	0.02/ ESE	5.0	Southeast - See write up above.

<b>Database</b>	<b>Site Name</b>	<b>Address</b>	<b>Dist. (mi) / Dir.</b>	<b>Elev. diff. (ft)</b>	<b>Comments</b>
CERS HAZ	BIGSHOTS BILLIARDS BAR & GRILL	23512 EL TORO RD, LAKE FOREST, CA, 92630	0.02/ ESE	6.0	Southeast - The facility is listed in the database as a facility that uses hazardous wastes (CO2). The database identified several inspection reports from 2016 to 2018. No violations were noted.

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
CERS HAZ	O'Reilly Auto Parts #2940	24601 RAYMOND WAY, LAKE FOREST, CA, 92630	0.03/S	2.0	Southwest - The site is listed in the database as a facility that utilizes hazardous wastes. Several inspection reports from 2016 to 2017 were identified. No violations were issued.
DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY UNIT 15, EL TORO, CA, 926300000	0.03/S	2.0	Southwest - See write-up above.
DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY STE 15, LAKE FOREST, CA, 926304460	0.03/S	2.0	Southwest - See write-up above.

<b>Database</b>	<b>Site Name</b>	<b>Address</b>	<b>Dist. (mi) / Dir.</b>	<b>Elev. diff. (ft)</b>	<b>Comments</b>
DRYCLEANERS	MOHAMMAD BANASHFAT DBA CROWN CLEANERS	24601 RAYMOND WAY STE 15, LAKE FOREST, CA, 926304460	0.03/S	2.0	Southwest - See write-up above.
DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY, EL TORO, CA, 926300000	0.03/S	2.0	Southwest - See write-up above.
EMISSIONS	CROWN 1 HOUR CLEANERS, A. TAHB	24601 RAYMOND WAY #15, EL TORO, CA, 92630	0.03/S	2.0	Southwest - See write-up above.
EMISSIONS	CROWN 1 HOUR CLEANERS	24601 RAYMOND WAY #15, EL TORO, CA, 92630	0.03/S	2.0	Southwest - See write-up above.
CLEANUP SITES	FORMER CROWN CLEANERS	24601 RAYMOND WAY, LAKE FOREST, CA, 92603	0.03/S	2.0	Southwest - See write-up above.

<b>Database</b>	<b>Site Name</b>	<b>Address</b>	<b>Dist. (mi) / Dir.</b>	<b>Elev. diff. (ft)</b>	<b>Comments</b>
ORANGE HW	OREILLY AUTO PARTS #2940	24601 RAYMOND WAY, LAKE FOREST, CA, 92630	0.03/S	2.0	Southwest - The site was listed in this database. No additional pertinent information was provided.
ORANGE ICP	CARLEN PLAZA - CROWN CLEANERS	24601 RAYMOND WAY, LAKE FOREST, CA, 92630-	0.03/S	2.0	Southwest - See write-up above.
RCRA NON GEN	O'REILLY AUTO PARTS STORE 2940	24601 RAYMOND WAY, LAKE FOREST, CA, 92630	0.03/S	2.0	Southwest - The site was listed in this database. No additional pertinent information was provided.

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
CERS HAZ	Sizzler Restaurant #409	23501 EL TORO RD, LAKE FOREST, CA, 92630	0.03/ SE	0.0	South - Several inspection reports between 2015 and 2018 were described in the database. No violations were issued at the site.
EMISSIONS	SIZZLER-MORENO MANAGEMENT	23501 EL TORO RD, EL TORO, CA, 92630	0.03/ SE	0.0	South - The site is listed in the database. No additional pertinent information was provided.
ENVIROSTOR	PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD, LAKE FOREST, CA, 92630	0.07/ ESE	0.0	Southeast - See write-up above.



<b>Database</b>	<b>Site Name</b>	<b>Address</b>	<b>Dist. (mi) / Dir.</b>	<b>Elev. diff. (ft)</b>	<b>Comments</b>
VCP	PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD, LAKE FOREST, CA, 92630	0.07/ ESE	0.0	Southeast - See write-up above.
CLEANUP SITES	THE FORMER ORANGE TREE PLAZA DRY CLEANERS	23532 EL TORO ROAD, LAKE FOREST, CA,	0.09/ ESE	0.0	Southeast - See write-up above.

Database	Site Name	Address	Dist. (mi) / Dir.	Elev. diff. (ft)	Comments
CERS HAZ	FREEDOM VILLAGE HEALTH CARE CENTER	23442 EL TORO RD, LAKE FOREST, CA, 92630	0.10/E	7.0	East - Several site inspection reports were listed in the database. The facility received a violation for failure to electronically submit a hazardous material inventory. The violation was brought into compliance.

### 5.3.3 Other Off-site Locations of Concern

Other off-site locations of concern identified by ERIS within a maximum one-mile radius from the Property included CERS HAZ, RCRA Non Gen, DELISTED TANK, CDL, HHSS, HIST TANK, ORANGE LOP, LUST, DRYCLEANERS, EMISSIONS, RCRA LQG, CLEANUP SITES, ENVIROSTOR, and SCHOOL sites. These sites are not considered RECs in connection with the Property due to the distance from the Property, type of listing, regulatory status of the sites, or the identification of responsible parties.

#### 5.3.4 Orphan Listings

The database report identified six (6) orphan listings. The locations of sites were identified only by street name. These street names were found in the general vicinity of the Property; however, the specific site locations could not be determined. These orphan sites appeared to have a low potential for environmental impact to the Property due to one or more of the following: type of regulatory listing or distance from the Property.

### 5.4 Additional Environmental Record Sources

#### Federal Agencies

Federal Agencies	
Source	Comments
U.S. Department of Transportation, Pipeline and Hazardous Material Safety Administration (PHMSA)	PHMSA online mapping system for gas transmission pipelines and hazardous liquid pipelines on the Property or adjacent properties was reviewed ( <a href="https://www.npms.phmsa.dot.gov/PublicViewer/">https://www.npms.phmsa.dot.gov/PublicViewer/</a> ). No pipelines were identified on the Property or adjacent properties.

## State Agencies

State Agencies	
Source	Comments
California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC)	<p>No information regarding the Property was on file with DTSC.</p> <p>The Envirostor website (<a href="http://www.envirostor.dtsc.ca.gov/public/">http://www.envirostor.dtsc.ca.gov/public/</a>) was reviewed for information, and the Property was not listed in the database.</p> <p>The southeastern adjoining property (23512-23532 El Toro Road) was listed in the database as a voluntary cleanup site that is currently under the oversight of the Orange County Health Care Agency. According to the database, the site was formerly under the oversight of the DTSC. During investigations conducted at the site in 2011, elevated levels of PCE were detected in soil-vapor. Based on these findings, DTSC recommended further action. The responsible party proceeded to a voluntary cleanup action with OCHCA, and DTSC concurred with the proposed oversight change in 2013.</p>

State Agencies	
Source	Comments
Cal/EPA, Regional Water Quality Control Board (RWQCB)	<p>The RWQCB had no records on file regarding underground storage tank (UST) issues at the Property. The Geotracker website (<a href="http://geotracker.waterboards.ca.gov/">http://geotracker.waterboards.ca.gov/</a>) was reviewed for information, and the Property was not listed in the database.</p> <ul style="list-style-type: none"> <li>The Geotracker database had records pertaining to an open case in the southwest adjoining shopping center (24601 Raymond Way). The site is located contiguous to the southwest of the Property. According to the records on the Geotracker database, the site was occupied by the drycleaners from the 1970s through 2010. Environmental studies conducted beginning in 2009 indicated that soil, soil-vapor and groundwater beneath the site were impacted by PCE. According to the most recent groundwater monitoring report, active soil vapor and groundwater remediation is underway at the site, along with groundwater sampling. According to the report, groundwater monitoring wells installed within the building footprint have greater than 100 micrograms per liter (ug/l) of dissolved PCE, with maximum concentrations frequently greater than 500 ug/L (5ug/L is maximum contaminant level). In addition, the most recent monitoring event (March 2019) showed that two (2) wells located in the alleyway that separates the former drycleaners from the Property had concentrations of PCE in groundwater of 93 ug/l and 300 ug/l. In addition, groundwater level measurements indicated that</li> </ul>

State Agencies	
Source	Comments
	<p>the depth to groundwater in these two (2) wells was approximately 25 feet beneath ground surface (bgs), and groundwater gradient is toward the northeast (towards the Property). In addition, in June 2017, soil gas sampling was conducted at several locations in and adjacent to the former drycleaner unit. Vapor samples collected from depths of 10 and 15 feet bgs from a location in the alleyway separating the former cleaners from the Property had reported concentrations of PCE in soil vapor of 16 ug/l and 35 ug/l respectively. These were the highest concentrations of PCE reported in any of the soil vapor sample locations. The concentrations exceed the regulatory thresholds for commercial use. Site consultant has proposed more assessment and remediation.</p> <ul style="list-style-type: none"> <li>• Former drycleaning operations at the southeastern adjoining site (23532 El Toro Road) have impacted soil, soil-vapor, and groundwater beneath the site. The databases identified the former facility as having generated tetrachloroethylene (PCE) which is the primary contaminant identified in the soil, soil vapor, and groundwater. The site was previously under the oversight of the DTSC but has since been under the oversight of the Orange County Health Care Agency. According to records reviewed on the Geotracker database, groundwater beneath the site was measured to be between 16 and 23 feet bgs with groundwater gradient calculated to be to the southwest (cross-gradient of the</li> </ul>

State Agencies	
Source	Comments
	Property). Data from the February 2019 groundwater monitoring event showed non-detectable concentrations of VOCs in the groundwater monitoring well nearest the western boundary of the site (closest proximity to the Property).
California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)	According the DOGGR online database ( <a href="http://maps.conservation.ca.gov/doms/doms-app.html">http://maps.conservation.ca.gov/doms/doms-app.html</a> ), there are no oil or gas wells located on the Property or adjacent properties.

### Local Agencies

Source	Comments
South Coast Air Quality Management District (SCAQMD)	There were no agency records pertaining to the Property on file with this agency.
Orange County Health Care Agency (OCHCA)	There were no agency records pertaining to the Property on file with this agency.
Orange County Fire Authority (OCFA)	There were no agency records pertaining to the Property on file with this agency.

## 6.0 PROPERTY RECONNAISSANCE

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### 6.1 Methodology

On June 24, 2019, Converse visited the Property to evaluate present use and to identify observable environmental conditions at the Property. Our methodology involved walking the perimeters, center lines, and accessible interior areas of the buildings while noting observed evidence of present and potential environmental concerns

A field-generated map is provided in Appendix B. Pertinent Property photographs are provided in Appendix C.

### 6.2 Limiting Conditions

Converse's findings are based on the Property conditions observed on Monday, June 24, 2019

### 6.3 Interior Observations of Property

During our Property visit, Converse made the following observations of the interior of the Property's building(s):

**Table 3 – Interior Observations of Property**

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:	✓		Minor quantities of cleaning agents and paints were observed in utility closets in both buildings. No leaking or staining was observed.



Item or Condition	Observed Evidence	No Evidence Observed	Comments
Storage Tanks & Related Equipment:		✓	
Odors:		✓	
Standing Surface Water or Other Pools of Liquid:		✓	
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other Unidentified Contents:	✓		See above.
Transformers or Equipment containing Polychlorinated Biphenyls (PCBs):	✓		A single elevator was located in each of the two (2) buildings. Elevator equipment rooms were observed. No leaking or staining was observed.
Heating/Cooling System:	✓		HVAC vents were observed in individual tenant spaces and common areas.
Stains or Corrosion on Floors, Walls or Ceilings:		✓	

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Drains and Sumps		✓	

*Additional Comments*

#### **6.4 Exterior Observations of Property**

During our Property visit, Converse made the following observations of the exterior of the Property:

**Table 4 – Exterior Observations of Property**

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:		✓	
Storage Tanks & Related Equipment:		✓	
Odors:		✓	
Standing Surface Water or Other Pools of Liquid:		✓	

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other Unidentified Contents:		✓	
Transformers or Equipment containing Polychlorinated Biphenyls (PCBs):		✓	
Pits, Ponds, or Lagoons:		✓	
Stained Soil or Pavement:		✓	
Stressed Vegetation (other than from insufficient water):		✓	
Evidence of Mounds, Depressions or Filled or Graded Areas Suggesting Trash or Other Solid Waste Disposal:		✓	

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Waste Water or any discharge (including storm water) into a Drain, Ditch, or Stream on or Adjacent to the Property:		✓	
Wells (active, inactive, or abandoned):		✓	
Septic Systems or Cesspools:		✓	
Prior Structures:		✓	
Roads, Tracks, Railroad Tracks or Spurs:	✓		The Property fronts onto El Toro Road to the southeast, and Raymond Way to the southwest.

#### *Additional Comments*

In addition to the above items, Converse observed the following:

- A fenced enclosure with remediation equipment was observed southwest of the Property, in parking spaces associated with the southwestern adjoining shopping center.

### **6.5 Current Uses of Adjoining Properties**

Based on our research and observations during our Property visit, the Property is bordered by the following:



**Table 5 – Adjoining Property Use**

<b>Direction</b>	<b>Current Development</b>
North:	Residential
Northeast:	Residential
Northwest:	Raymond Way followed by residential.
South:	Commercial shopping center (24601 Raymond Way).
Southeast:	El Toro Road followed by commercial shopping center (23512-23532 El Toro Road).
Southwest:	Commercial shopping center (24601 Raymond Way).
East:	El Toro Road followed by commercial shopping center (23512-23532 El Toro Road).
West:	Raymond Way followed by US Post Office (24552 Raymond Way).

## ***6.6 Current Uses of Surrounding Area***

Based on our research and observations during our Property visit, the surrounding area of the Property consists of residential and commercial uses.

## 7.0 INTERVIEWS

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Interview:	Comments:
Property Owner:	The Property Owner representative, Ms. Kristi Cozens was interviewed during the Property reconnaissance. Ms. Cozens stated that the Property had been developed with the existing buildings in the 1970s, and had only been occupied by commercial office tenants since that time. Ms. Cozens was unaware of any environmental issues associated with the Property or any of the adjoining properties. Ms. Cozens had no knowledge of any of the ongoing remediation at the southwestern adjoining property, and stated that she was unaware as to whether any drilling related to the southwestern adjoining site had been conducted on the Property.
Tenant/ Occupant:	Ms. Cozens is also the Property manager, and has an office located in the El Toro Road building.
State or Local Government Officials:	Other than the information in Section 5.4, no additional information could be provided.
Owners and Occupants of Neighboring Sites:	No interviews of owners or occupants of neighboring sites were conducted.

## 8.0 FINDINGS

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A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

The Property is developed with two (2) commercial office buildings.

From as early as 1931 to 1974, the majority of the Property was undeveloped land. During that time period, a strip of land located along the southeastern Property boundary was developed for agricultural use. The Property was developed with the two (2) existing commercial office buildings and associated parking lots in 1977.

Minor quantities of paints and cleaners were observed in utility closets in both buildings. Elevator equipment was observed in both buildings. No leaking or staining was observed.

Both Property buildings were identified in the Haznet database in the database report under multiple listings that appeared to be related to medical offices that operated at the Property.

The following adjoining properties were identified in the regulatory database report:

- 23532 El Toro Road - The property is located southeast of the Property and was identified in the DRYCLEANERS, EMISSIONS, Orange County Industrial Cleanup Site (ORANGE ICP), Resource Conservation and Recovery Act Non-Generator (RCRA-Non Gen), and RCRA Small Quantity Generator (RCRA-SQG), Voluntary Cleanup Program (VCP), and Department of Toxic Substances Control (DTSC) Envirostor databases. The listings are related to the former Green Tree Cleaners, a dry cleaning business, that operated at the site from 1985 to 2012. Former drycleaning operations at the site have impacted soil, soil-vapor, and groundwater beneath the site. The databases identified the former facility as having generated tetrachloroethylene (PCE) which is the primary contaminant identified in the soil, soil vapor, and groundwater. The site was previously under the oversight of the DTSC but has since been under the oversight of the Orange County Health Care Agency.
- 24601 Raymond Way - The site is located contiguous to the southwest of the Property and was identified in the California Environmental Reporting System (CERS) Hazardous Waste Site, DRYCLEANERS, EMISSIONS, Cleanup Sites, Orange County

Lead Cases List (Orange LOP), and Orange ICP, databases. The listings are related to the former operation of a drycleaners at the site (Crown Cleaners). According to the databases. An active investigation was opened at the site in Septemeber 2016 and identified contamination beneath the site related to the former drycleaner operations. The databases provided links to records on the State Water Resources Control Board's Geotracker database. According to the records on the Geotracker database, the site was occupied by the drycleaners from the 1970s through 2010. Environmental studies conducted beginning in 2009 indicated that soil, soil-vapor and groundwater beneath the site were impacted by PCE. According to the most recent groundwater monitoring report, active soil vapor and groundwater remediation is underway at the site, along with groundwater sampling. According to the report, groundwater monitoring wells installed within the building footprint have greater than 100 micrograms per liter (ug/l) of dissolved PCE, with maximum concentrations frequently greater than 500 ug/L (5ug/L is maximum contaminant level). In addition, the most recent monitoring event showed that two (2) wells located in the alleyway that separates the former drycleaners from the Property had concentrations of PCE in groundwater of 93 ug/l and 300 ug/l. In addition, groundwater level measurements indicated that the depth to groundwater in these two (2) wells was approximately 25 feet beneath ground surface (bgs), and groundwater gradient is toward the northeast (towards the Property). In addition, in June 2017, soil gas sampling was conducted at several locations in and adjacent to the former drycleaner unit. Vapor samples collected from depths of 10 and 15 feet bgs from a location in the alleyway separating the former cleaners from the Property had reported concentrations of PCE in soil vapor of 16 ug/l and 35 ug/l respectively. These were the highest concentrations of PCE reported in any of the soil vapor sample locations. The concentrations exceed the regulatory thresholds for commercial use. Site consultant has proposed more assessment and remediation.

- Various other tenants at the same properties were identified in databases; however, due to the types of listings or lack of information, were not deemed environmental concerns.



## 9.0 OPINION

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The historical agricultural operations on a portion of the Property are not considered a REC as the Property has since been redeveloped.

The current and historical commercial office use of the Property is not considered a REC.

The open investigation/remediation of PCE contamination on the southern/southwestern adjoining property is considered a REC based on data indicating the presence of elevated concentrations of PCE in soil, soil-vapor, and groundwater at locations approximately 20 to 25 feet from the boundary of the Property.

The ongoing PCE investigation on the southeastern adjoining shopping center does not rise to the level of a REC due to the distance from the Property and the cross-gradient location of the Property with respect to the direction of groundwater flow; however, the site is considered an environmental concern.

No significant data gaps were identified during this assessment that affect the ability of the Environmental Professional (EP) to identify RECs.

There are no unusual circumstances where greater certainty is required regarding RECs.



## 10.0 CONCLUSIONS AND RECOMMENDATIONS

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Converse has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 for 23591 El Toro Road and 24551 Raymond Way, City of Lake Forest, Orange County County, California. Any exceptions to or deletions from this practice are described in the Limitations and Exceptions of Assessment section of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- The ongoing open site investigation of PCE contaminated soil, soil-vapor, and groundwater on the southern/southwestern adjoining property (24601 Raymond Way). A Phase II Investigation appears warranted.

The following environmental concern was noted:

- The ongoing open site investigation of PCE contaminated soil, soil vapor, and groundwater on the southeastern adjoining property (23532 El Toro Road).

Converse recommends a Phase II investigation to evaluate if the unauthorized release of PCE on the southern/southwestern adjoining property has impacted the Property.



## 11.0 DEVIATIONS AND LIMITATIONS

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The following limitations and exceptions were encountered during the course of this assessment:

- An information request pertaining to the Property was submitted to the Orange County Fire Authority, however, a response was not received during the timeframe of this assessment.

Based on the known commercial office use at the Property, this is not deemed significant.



## 12.0 ADDITIONAL NON-SCOPE SERVICES

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There are environmental issues outside the scope of the ASTM E1527-13 that can be assessed in connection with a commercial real estate transaction. These are dealt with as non-scope considerations since they do not typically present a Superfund Liability. The specific level of inquiry (if any) is defined in the Proposal which contains a Scope of Work. These non-scope services are very client specific and not covered by the ASTM standard. They are frequently related to the business environmental risk which is defined in the standard as “risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate...”

No non-scope issues were addressed in this report.

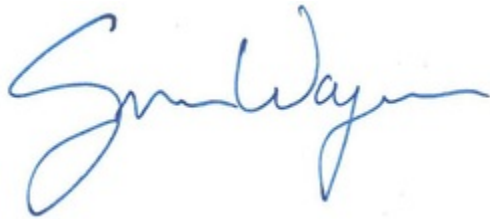


## 13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

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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 subject property. I have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.



Spencer Wagner  
Senior Staff Environmental Scientist

This Phase I ESA was completed by the above Environmental Professional. A complete list of preparers, and their responsibilities for this assessment, is provided in the following section (Section 14.0, List of Preparers).

## 14.0 LIST OF PREPARERS

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### **Norman S. Eke**

Senior Vice President/Managing Officer

B.A., Liberal Studies, Environmental Studies Emphasis, University of California, Santa Barbara, 1988.

Cal/OSHA Certified Asbestos Consultant, #96-2093

NIOSH 582 Equivalent Training

Senior Vice President and Managing Officer of Converse's California Environmental offices. Mr. Eke has served as the Principal-in-Charge and Contract Administrator to deliver services to our public agency and private clients. Mr. Eke has 29 years of experience in the fields of Environmental Due Diligence including Phase I and Phase II Environmental Site Assessments, Asbestos surveys/specifications/abatement monitoring, Preliminary Endangerment Assessments and associated Supplemental Site Investigations and Removal Action Work Plans/Implementation, various forms of Remediation, Human Health Risk Assessment and Indoor Air Quality. Mr. Eke is the former Subcommittee Chairman for E.50-02 Real Assessment and Management of the ASTM E.50 Committee on Environmental Assessment, Risk Management, Corrective Action, which includes Phase I ESA standards (2008 to 2016).

Principal area of responsibility for this ESA report: Project Management, Client Point of Contact, and Quality Assurance/Quality Control and Technical Review.

### **Spencer Wagner**

B.A., Environmental Science and Policy, California State University, Long Beach, 2006

B.A., Geography, California State University, Long Beach, 2006

40-Hour HAZWOPER Certified

Certified Wood Destroying Organism (WDO) Inspector

Mr. Wagner has over 9 years' experience conducting Phase I and II Environmental Site Assessments throughout California. Mr. Wagner has completed Phase I ESAs on undeveloped land, residential properties, commercial/retail facilities, industrial facilities, and school sites. His Phase II ESA experience includes collection of soil matrix, soil



vapor, indoor air and groundwater samples. Phase II projects worked on have included residential properties, commercial warehousing sites, school sites, dry cleaning facilities, automotive service sites, metal plating facilities and multi-tenant commercial properties.

Principal area of responsibility for this ESA report: Project Management, Client Point of Contact, Historical Research, Regulatory Agency Interaction, Property Reconnaissance, Interviews, Report Generation, and Report Review.



## 15.0 REFERENCES

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ERIS, Inc. Topographic Map, June 2019.

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Orange County Fire Authority, Request for Information, June 2019.

Orange County, Health Care Agency, Request for Information, June 2019.

South Coast Air Quality Management District, Request for Information, June 2019.





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United States Department of Transportation, Pipeline and Hazardous Material Safety Administration (PHMSA), Pipeline Location Website (<https://www.npms.phmsa.dot.gov/default.htm>), June 2019.



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## Appendix A - Application for Authorization to Use

# Appendix A





# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

## Application for Authorization to Use

TO: Converse Consultants  
717 South Myrtle Avenue  
Monrovia, California 91016

Project Title & Date: \_\_\_\_\_

Project Address: \_\_\_\_\_

FROM: (Please identify name & address of person/entity applying for permission to use the referenced report.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Applicant \_\_\_\_\_ hereby applies for permission to use  
the referenced report in order to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Applicant wishes or needs to use the referenced report because:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Applicant Signature: \_\_\_\_\_

Applicant Name (print): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

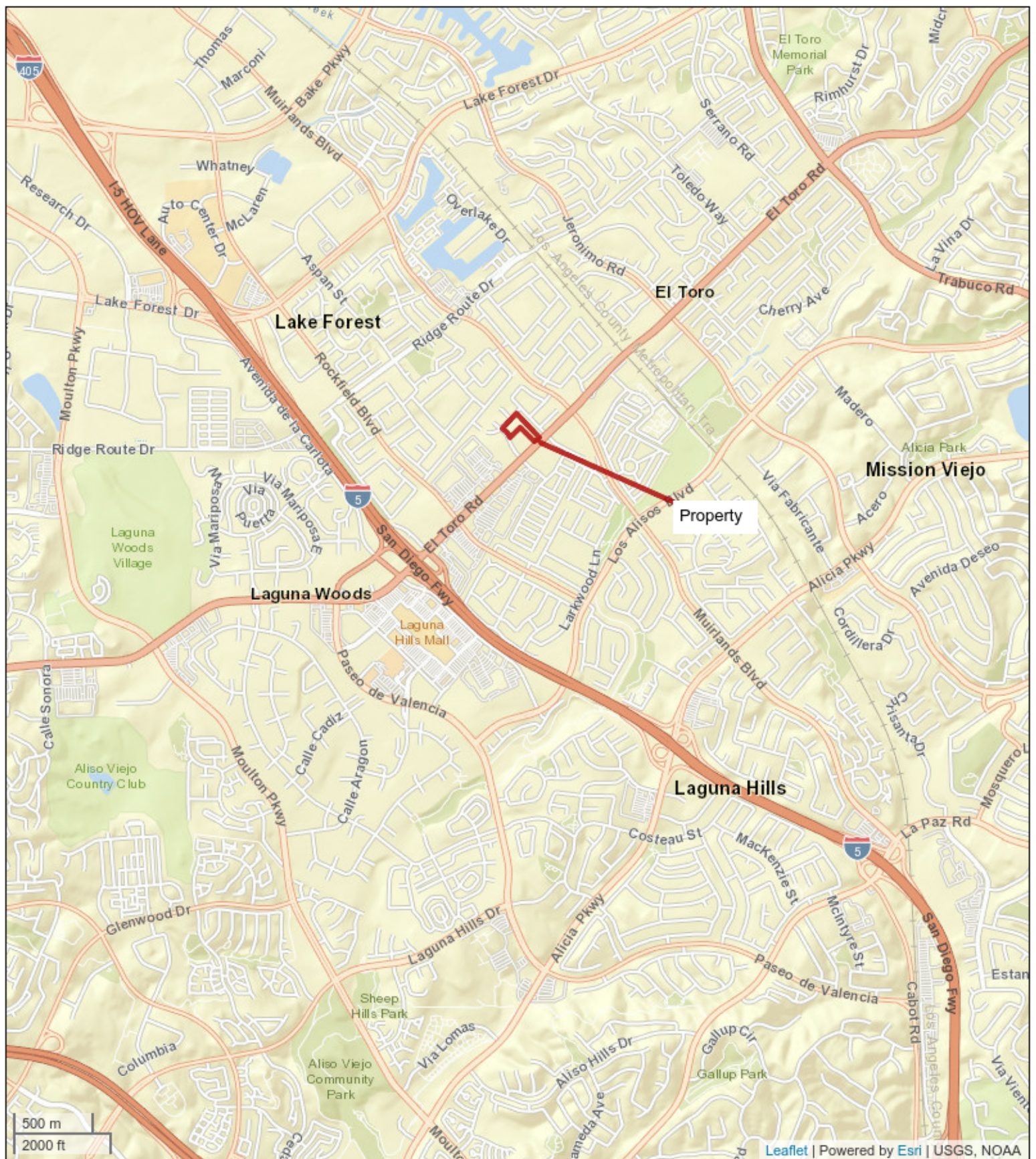
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## Appendix B - Property Plans

# Appendix B







**Figure 1 - Property Location Map**

National Core  
23591 El Toro Road and 24551 Raymond Way  
Lake Forest, California







**Figure 2 - Property Plan**  
National Core  
23591 El Toro Road and 24551 Raymond Way  
Lake Forest, California



---

## Appendix C - Pertinent Property Photographs

# Appendix C





1



View of 23591 El Toro Road building (looking southeast).

2



View of 24551 Raymond Way building (looking southwest).



3



View of northwestern Property boundary.

4



View of northeastern Property boundary.



5



View of southern Property boundary.

6



View of southern Property boundary.



7



View of typical open-air interior as seen in both of the commercial buildings.

8



View of interior of leasing office (23591, Suite 100).

9



View of interior of optometry office (23514, Suite 145).

10



View of interior of optometry office (23514, Suite 145).



11



View of interior of communal conference room (23591 building).

12



View of elevator in 23591 building.

13



View of elevator equipment in 23591 building.

14



View of vacant suite (23591, Suite 216).



15



View of vacant suite (23591, Suite 216).

16



View of vacant suite (23591, Suite 216).

17



View of vacant suite (23591, Suite 216).

18



View of vacant suite (23591, Suite 216).



19



View of chemicals stored in utility closet (23591 building).

20



View of interior of Utility Services office space (24551, Suite 100).

21



View of vacant tenant space (24551 building).

22



View of vacant tenant space (24551 building).



23



View of vacant tenant space (24551 building).

24



View of Century Pacific office space (24551, Suite 250).

25



View of paints stored in utility room (24551 building).

26



View of northwestern adjoining residential properties.



27



View of northeastern adjoining residential neighborhood.

28



View of remediation compound at rear of former drycleaner tenant space (24601 Raymond Way).



View of southern/southwestern adjoining former drycleaner suite (24601 Raymond Way, Suite 15).



View of typical tenant spaces in southern/southwestern adjoining property.





View of southeastern adjoining shopping center with open site assessment (23532 El Toro Road).

---

## Appendix D - Historical Information: Aerials, Maps & City Directory

# Appendix D







# FIRE INSURANCE MAPS

**Project Property:** National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest CA 92630

**Requested By:** 19-42-162-01

**Order No:** 20190618288

**Date Completed:** June 20, 2019

---

Please note that no information was found for your site or adjacent properties.



# TOPOGRAPHIC MAPS

**Project Property:** National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest CA 92630

**Requested By:** 19-42-162-01

**Order No:** 20190618288

**Date Completed:** June 19, 2019

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1997	7.5
1982	7.5
1981	7.5
1978	7.5
1974	7.5
1968	7.5
1950	7.5
1949	7.5
1948	7.5
1935	7.5
1942	15

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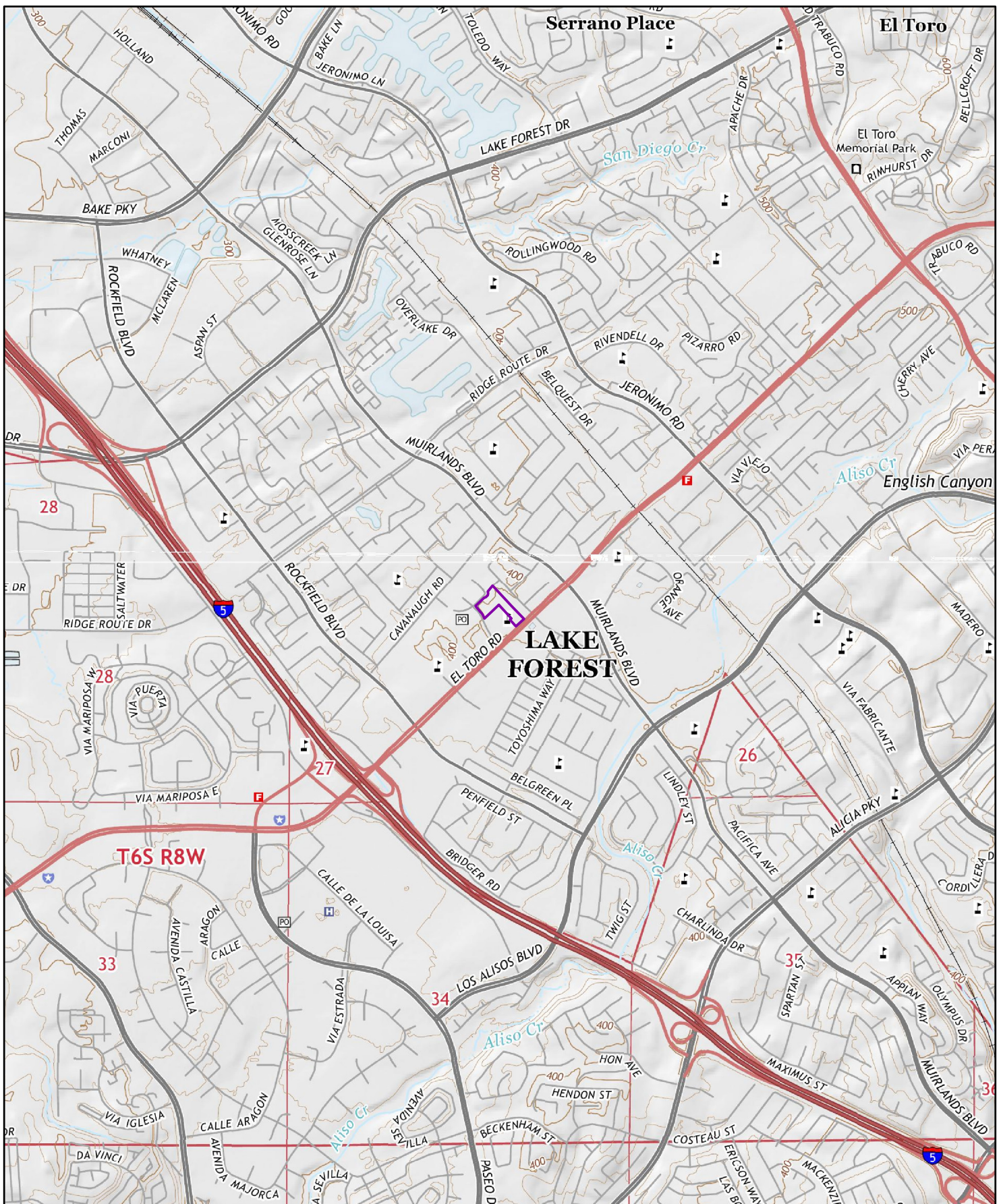
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**2015**

0 0.2 0.4 0.8 Miles

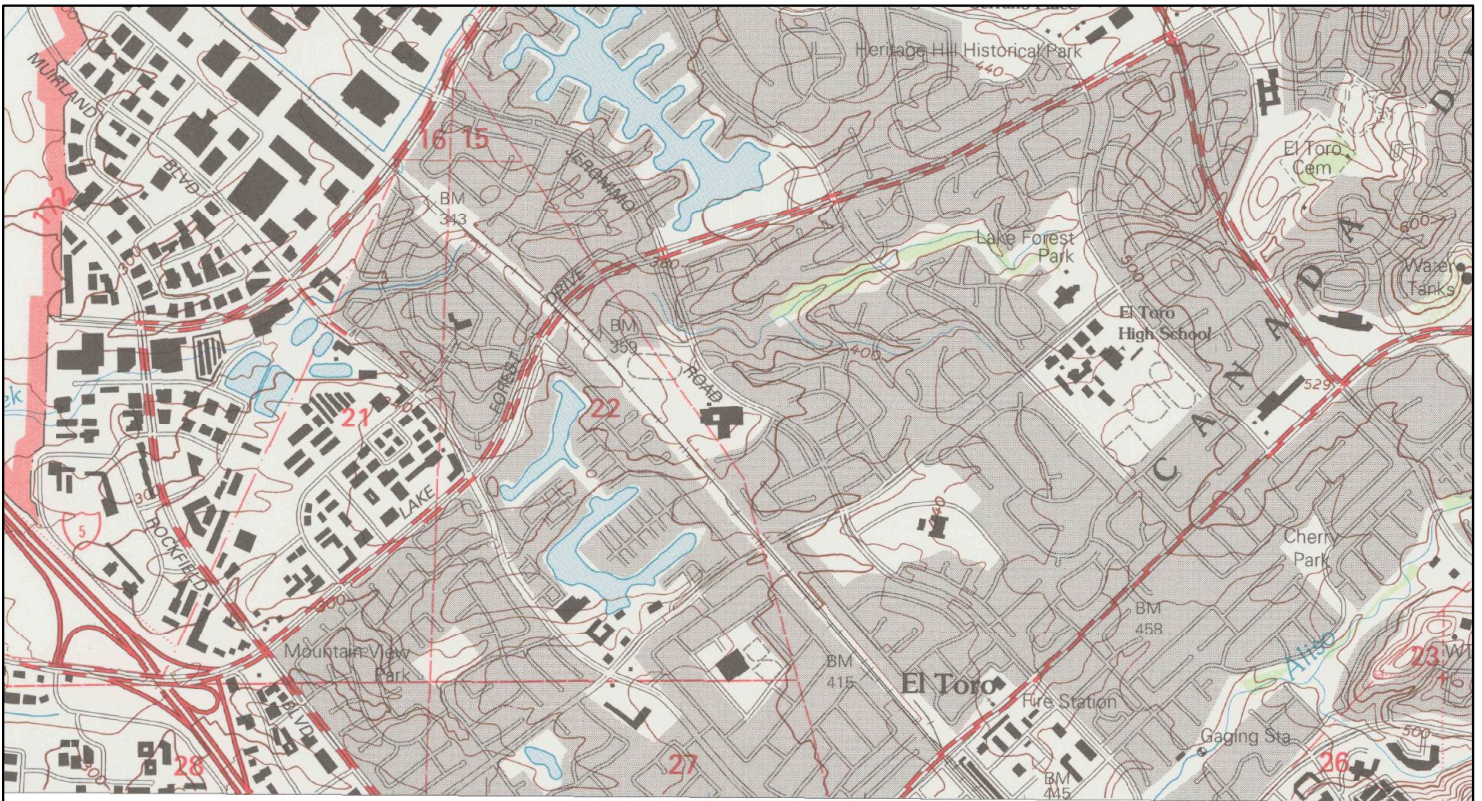
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**Quadrangle(s): Lake Forest,CA; San Juan Capistrano,CA**

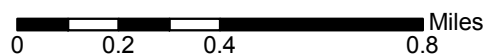
Source: USGS 7.5 Minute Topographic Map







1997



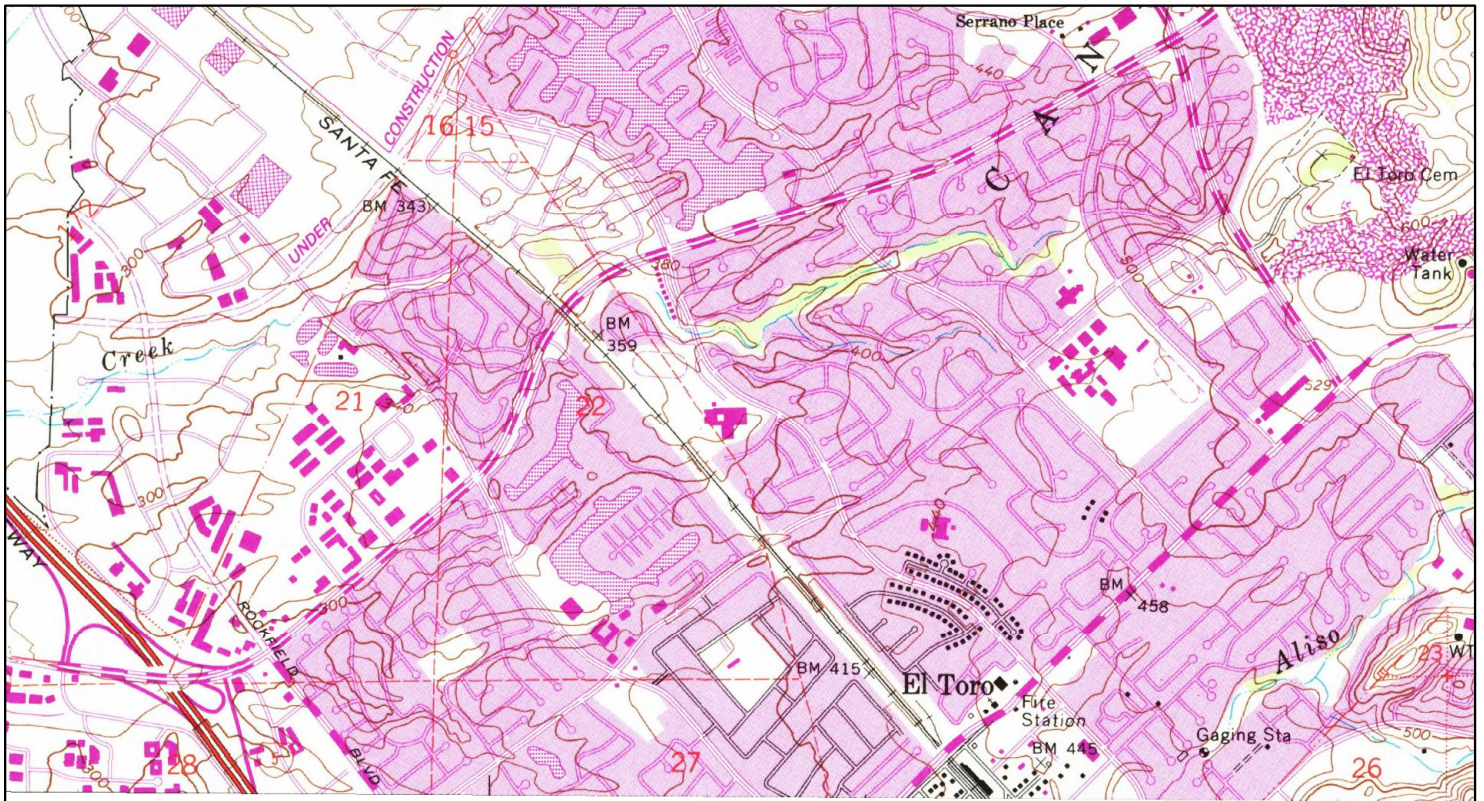
Order No. 20190618288

Quadrangle(s): El Toro, CA

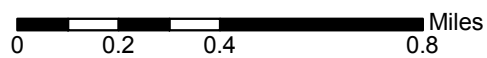
Source: USGS 7.5 Minute Topographic Map







1982



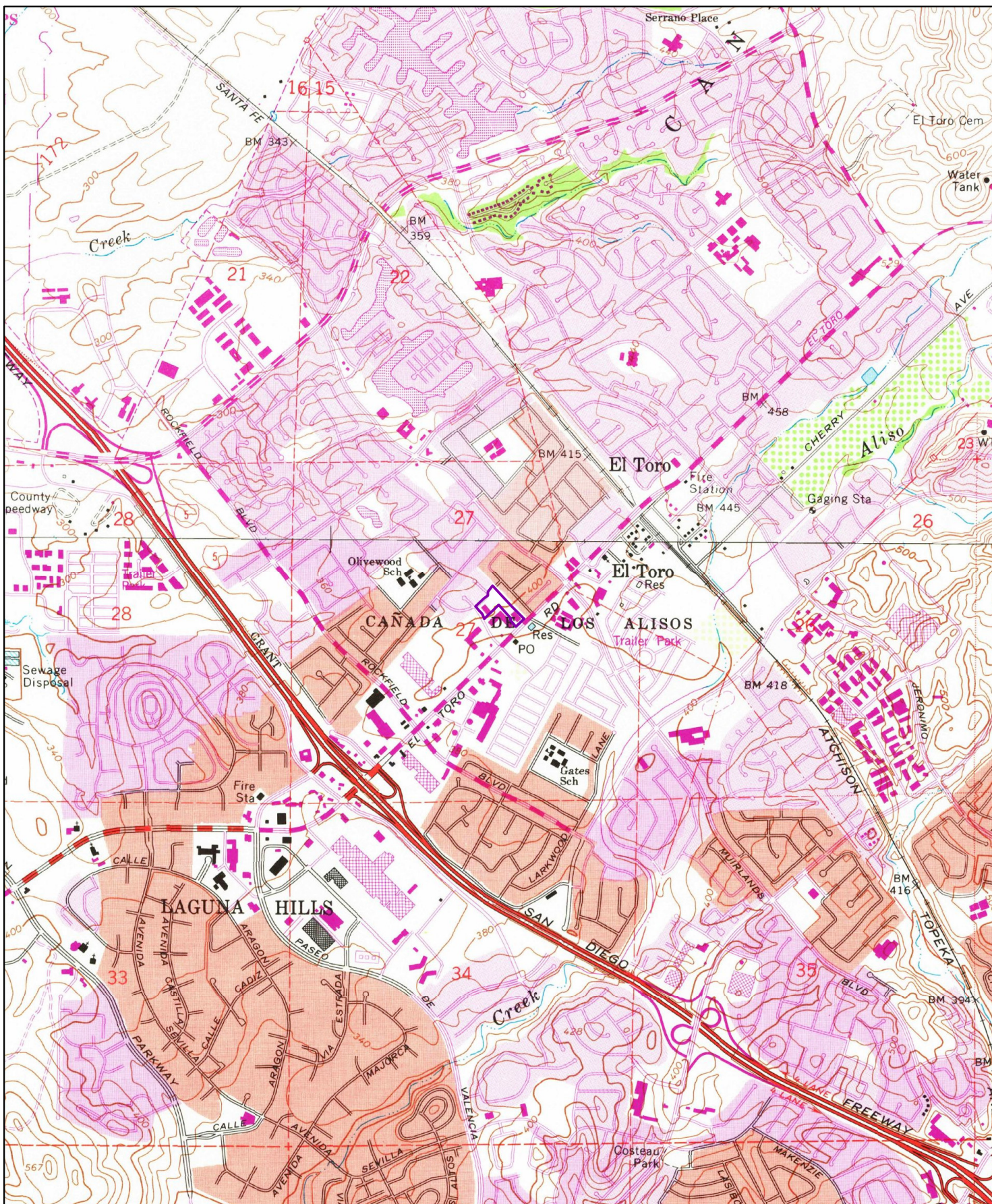
Order No. 20190618288

Quadrangle(s): El Toro, CA

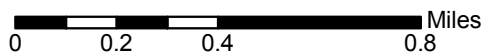
Source: USGS 7.5 Minute Topographic Map







1981

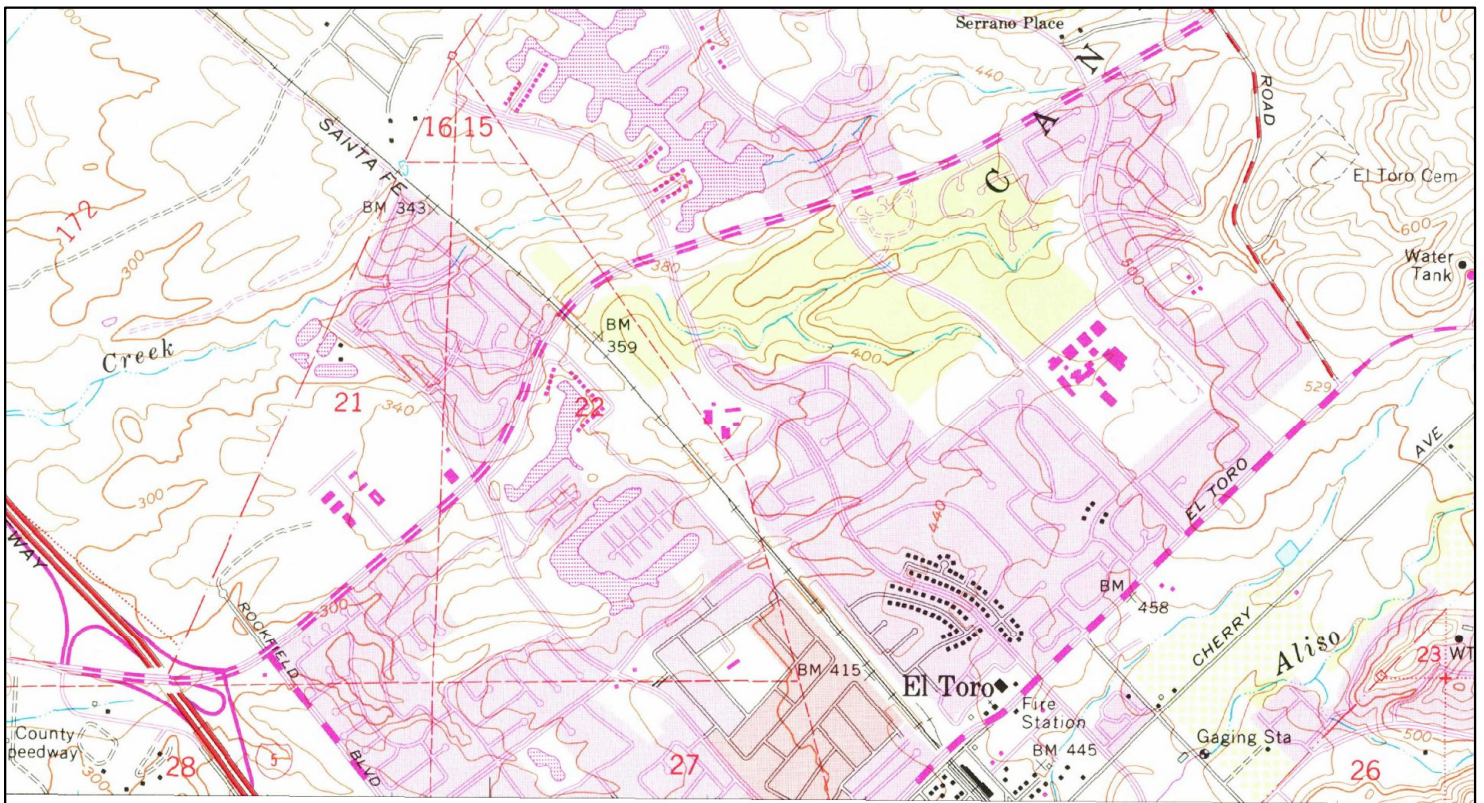


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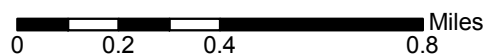
Quadrangle(s): El Toro,CA; San Juan Capistrano,CA

Source: USGS 7.5 Minute Topographic Map





1978



Order No. 20190618288

Quadrangle(s): El Toro, CA

Source: USGS 7.5 Minute Topographic Map







1974

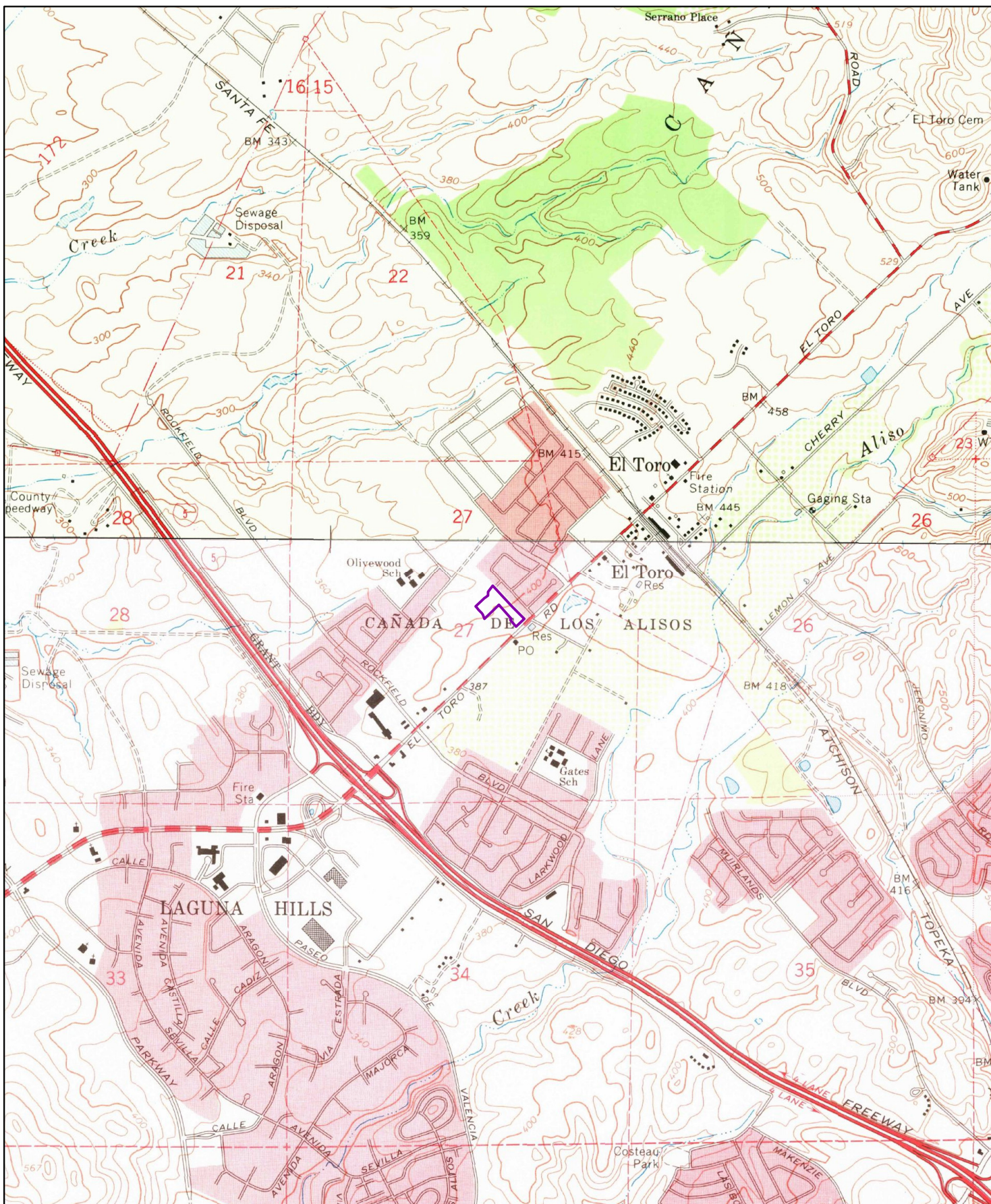
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Order No. 20190618288

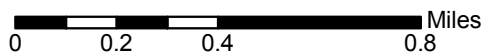
Quadrangle(s): El Toro, CA; San Juan Capistrano, CA

Source: USGS 7.5 Minute Topographic Map





1968

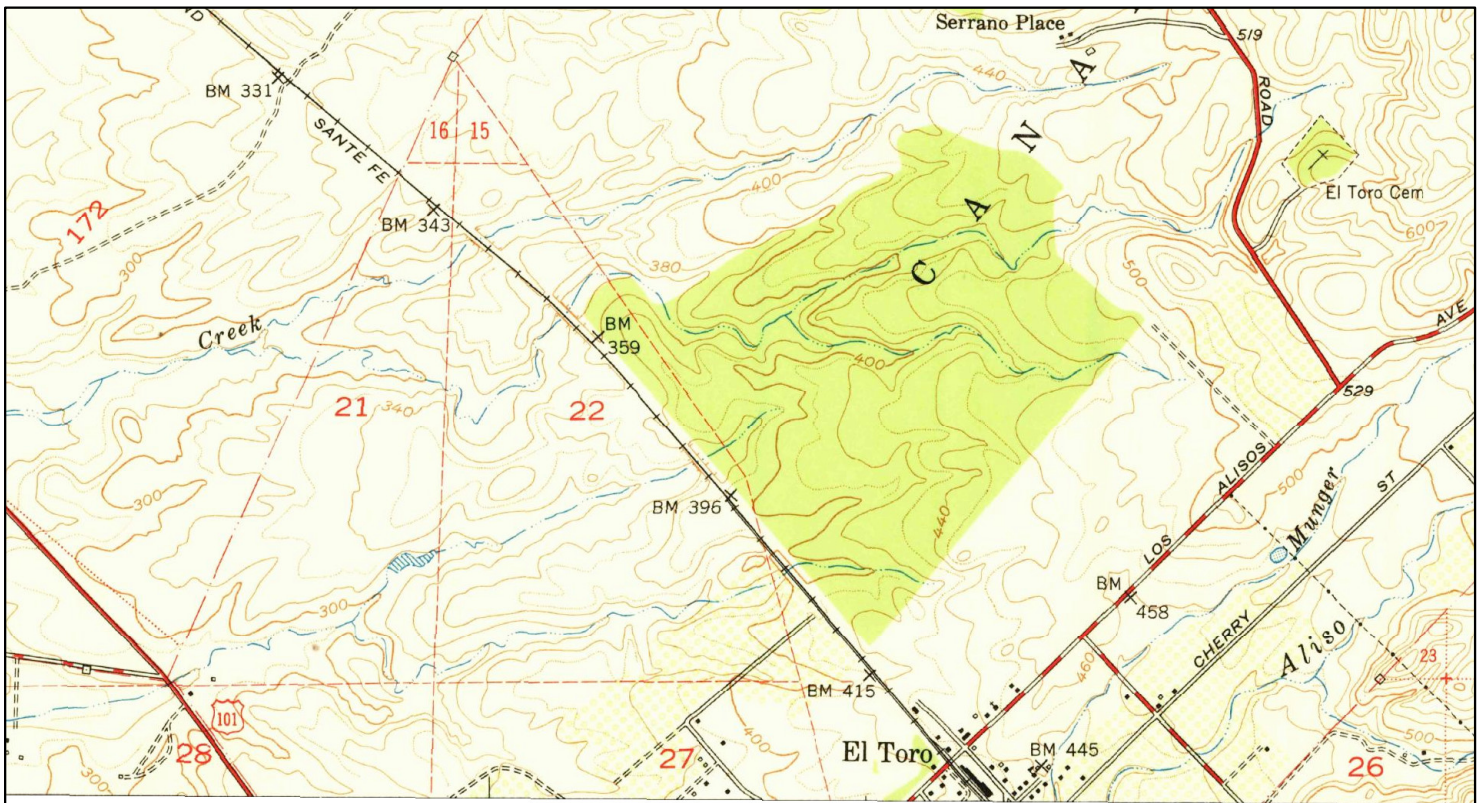


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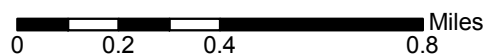
Quadrangle(s): El Toro,CA; San Juan Capistrano,CA

Source: USGS 7.5 Minute Topographic Map





1950



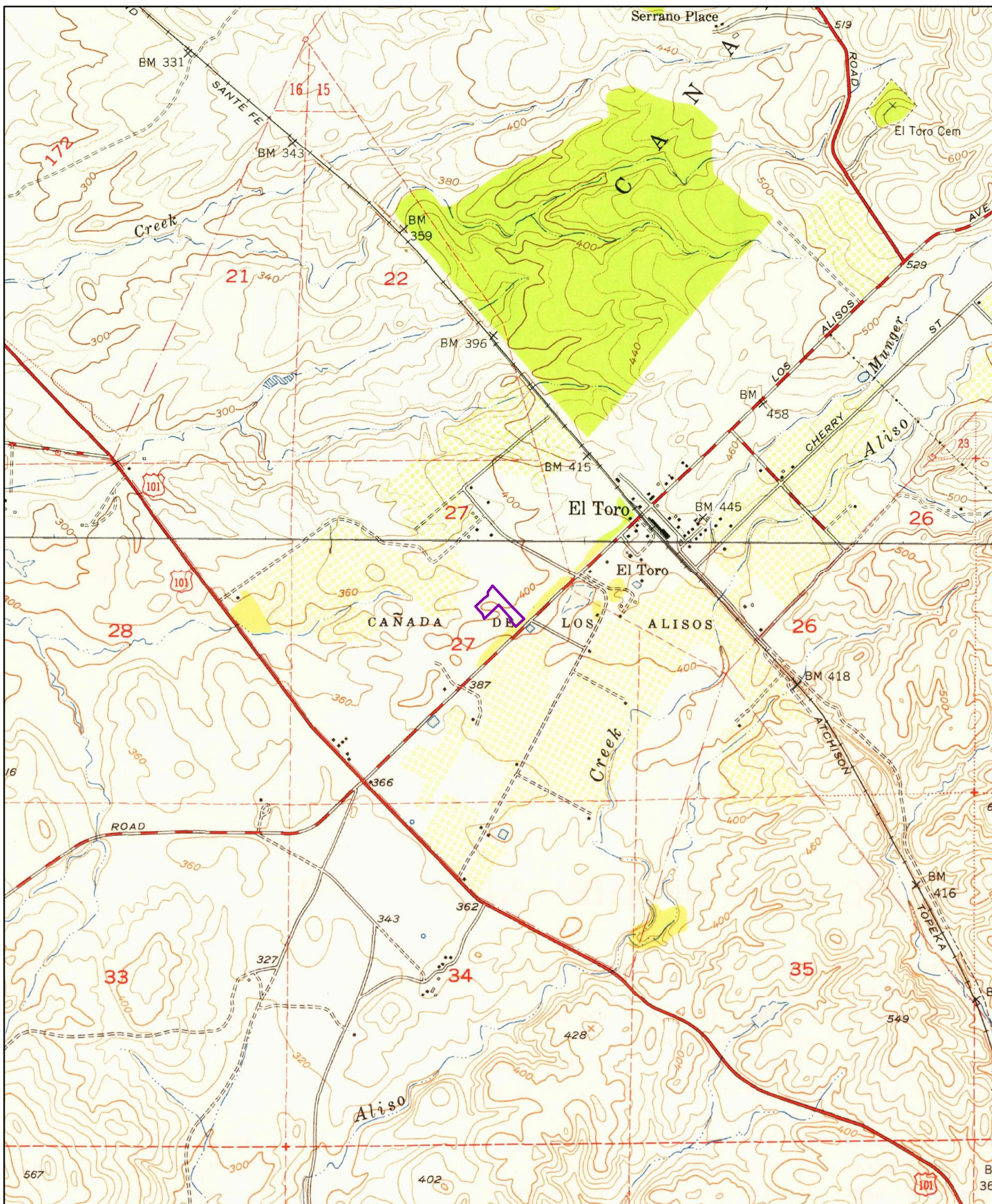
Order No. 20190618288

Quadrangle(s): El Toro, CA

Source: USGS 7.5 Minute Topographic Map







1949

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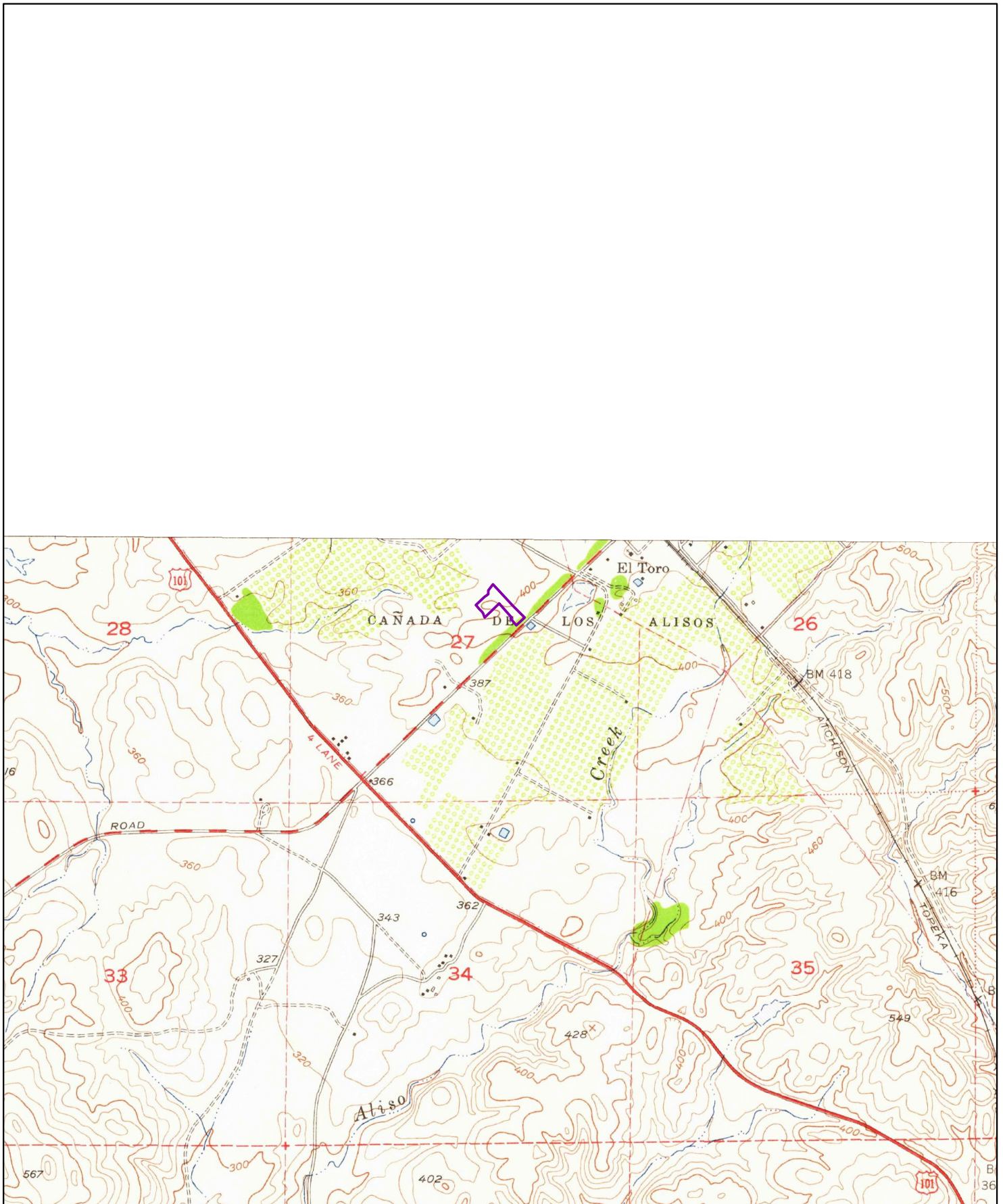
Order No. 20190618288

Quadrangle(s): El Toro,CA; San Juan Capistrano,CA

Source: USGS 7.5 Minute Topographic Map







1948

0 0.2 0.4 0.8 Miles

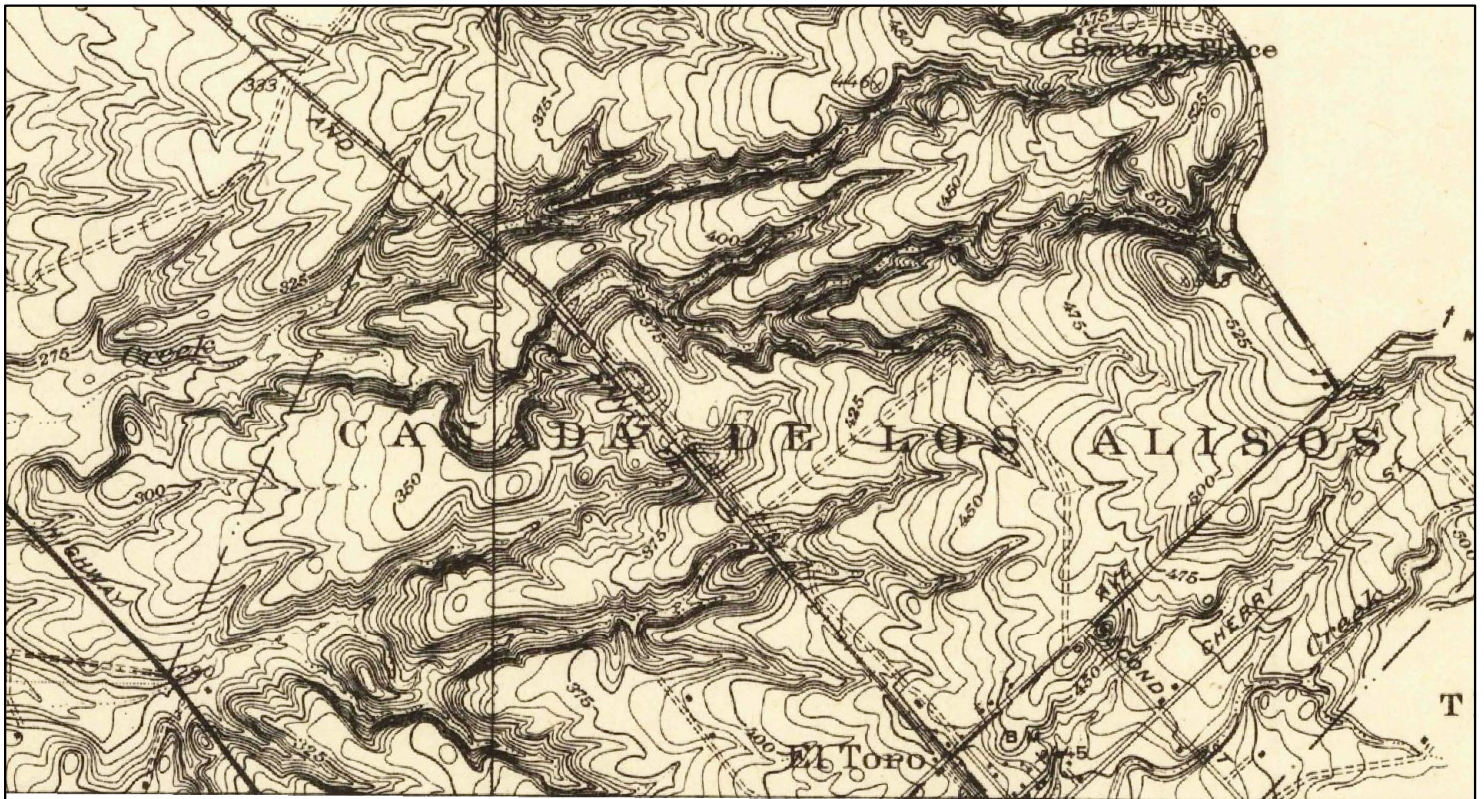
Order No. 20190618288

Quadrangle(s): San Juan Capistrano, CA

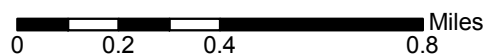
Source: USGS 7.5 Minute Topographic Map







1935



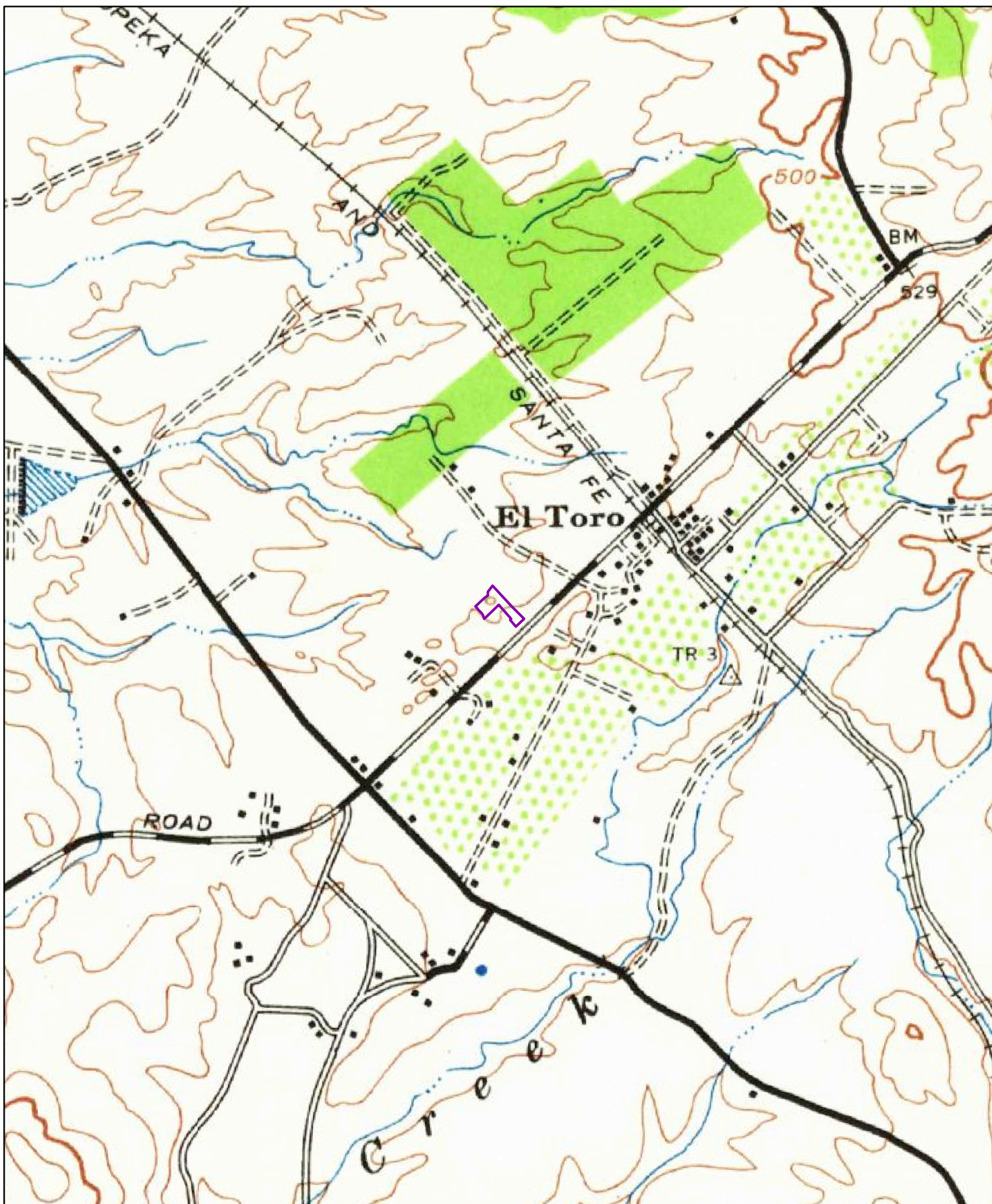
Order No. 20190618288

Quadrangle(s): El Toro, CA

Source: USGS 7.5 Minute Topographic Map







1942

0 0.2 0.4 0.8 Miles

Order No. 20190618288

Quadrangle(s): Santiago Peak, CA

Source: USGS 15 Minute Topographic Map



# TOPOGRAPHIC MAPS

**Project Property:** National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest CA 92630

**Requested By:** 19-42-162-01

**Order No:** 20190618288

**Date Completed:** June 19, 2019



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2015	7.5
1997	7.5
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1981	7.5
1978	7.5
1974	7.5
1968	7.5
1950	7.5
1949	7.5
1948	7.5
1935	7.5
1942	15

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**1997**

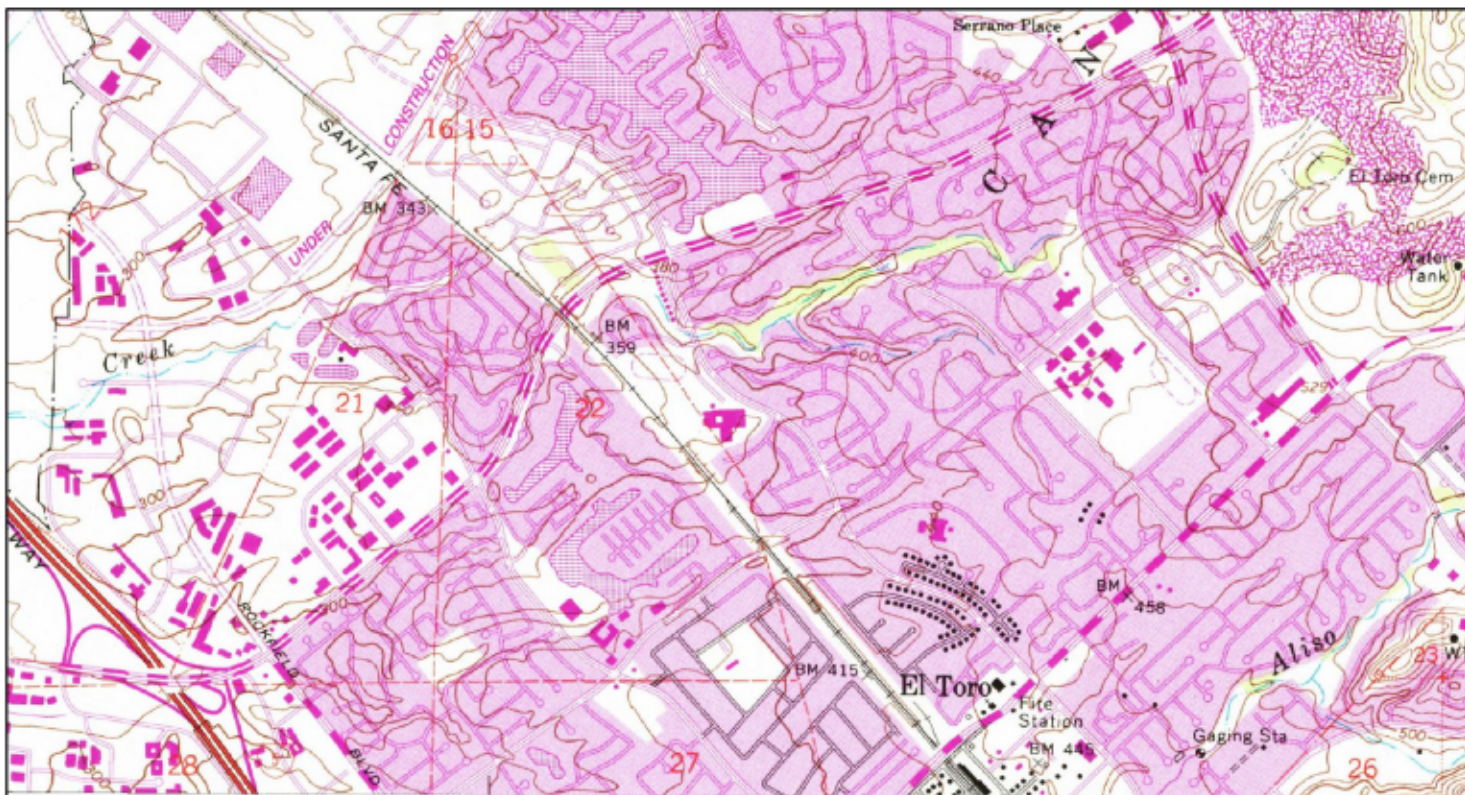


Order No. 20190618288

**Quadrangle(s): El Toro, CA**

Source: USGS 7.5 Minute Topographic Map





1982



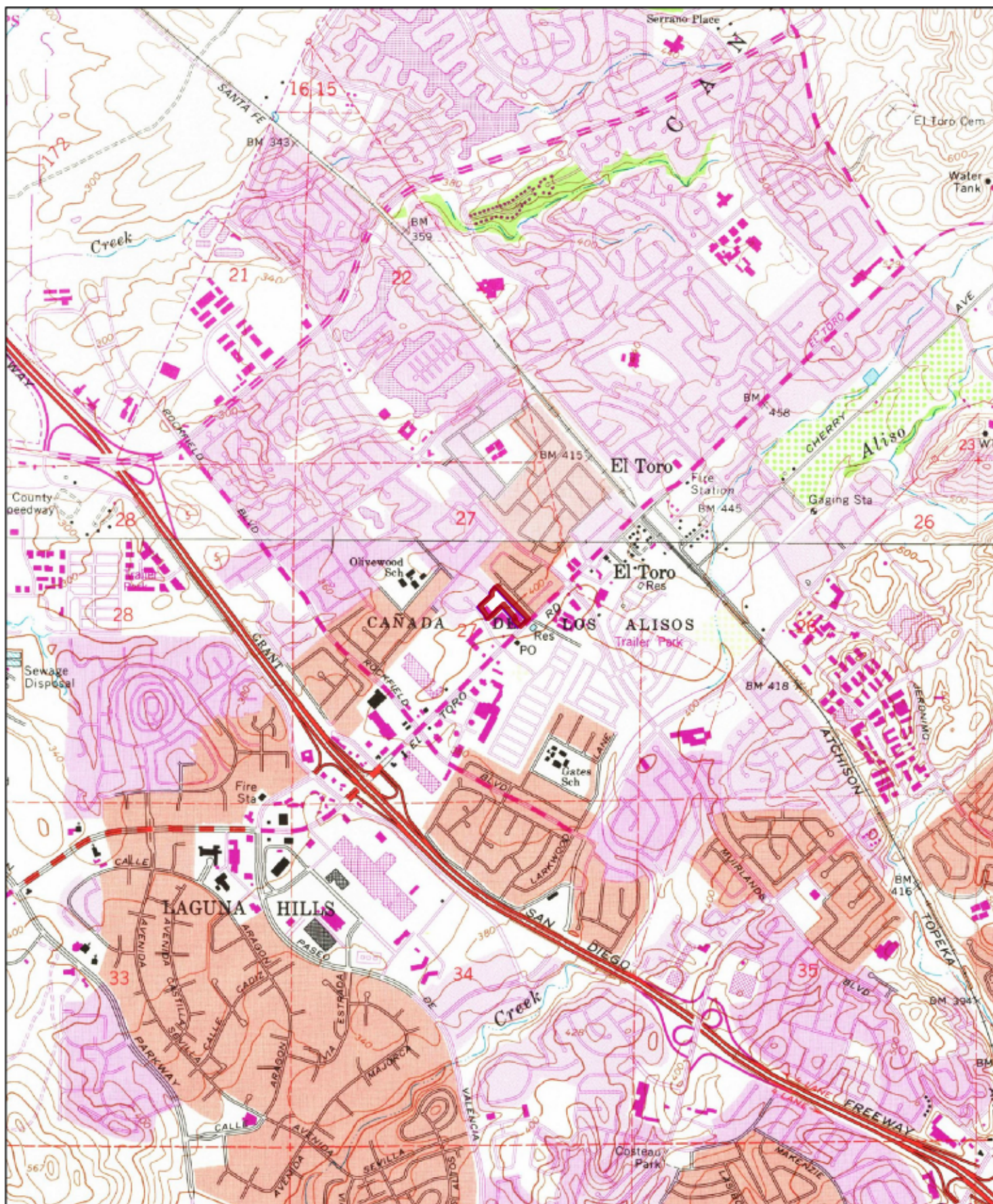
Order No. 20190618288

Quadrangle(s): El Toro, CA

Source: USGS 7.5 Minute Topographic Map







1981

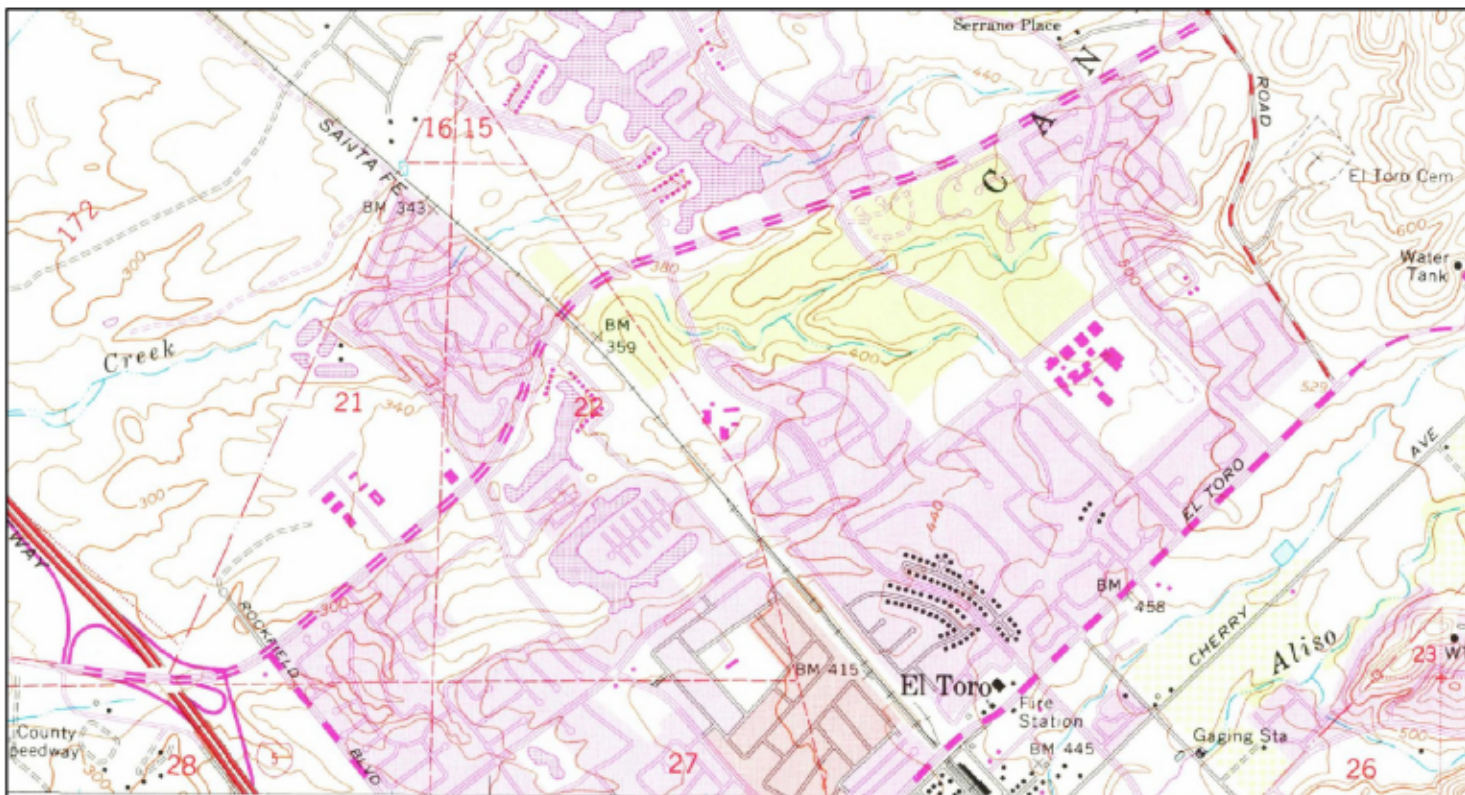
0 0.2 0.4 0.8 Miles

Order No. 20190618288

Quadrangle(s): El Toro,CA; San Juan Capistrano,CA

Source: USGS 7.5 Minute Topographic Map





**1978**



Order No. 20190618288

**Quadrangle(s): El Toro, CA**

Source: USGS 7.5 Minute Topographic Map







**1974**

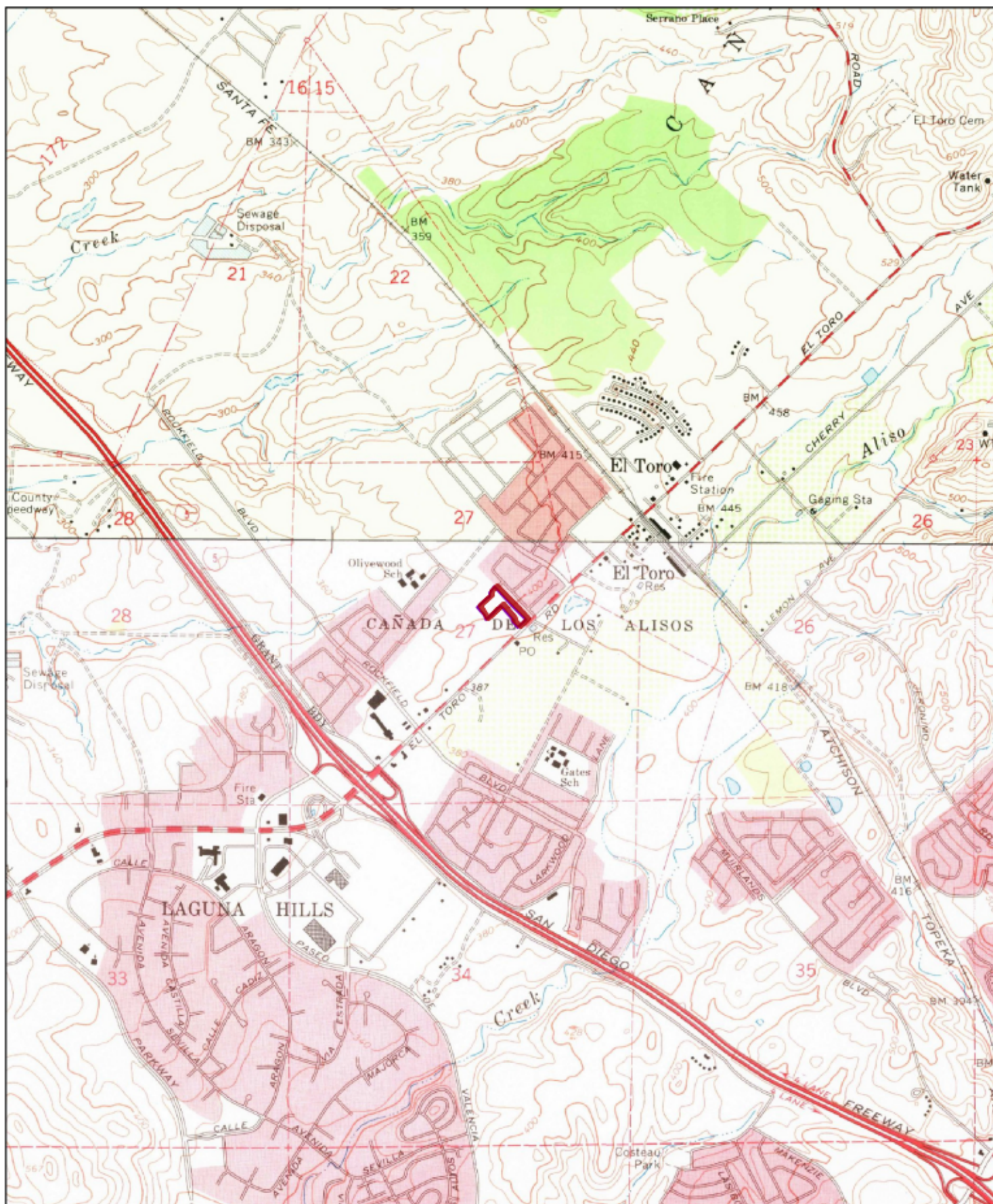
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Order No. 20190618288

**Quadrangle(s): El Toro, CA; San Juan Capistrano, CA**

Source: USGS 7.5 Minute Topographic Map





1968

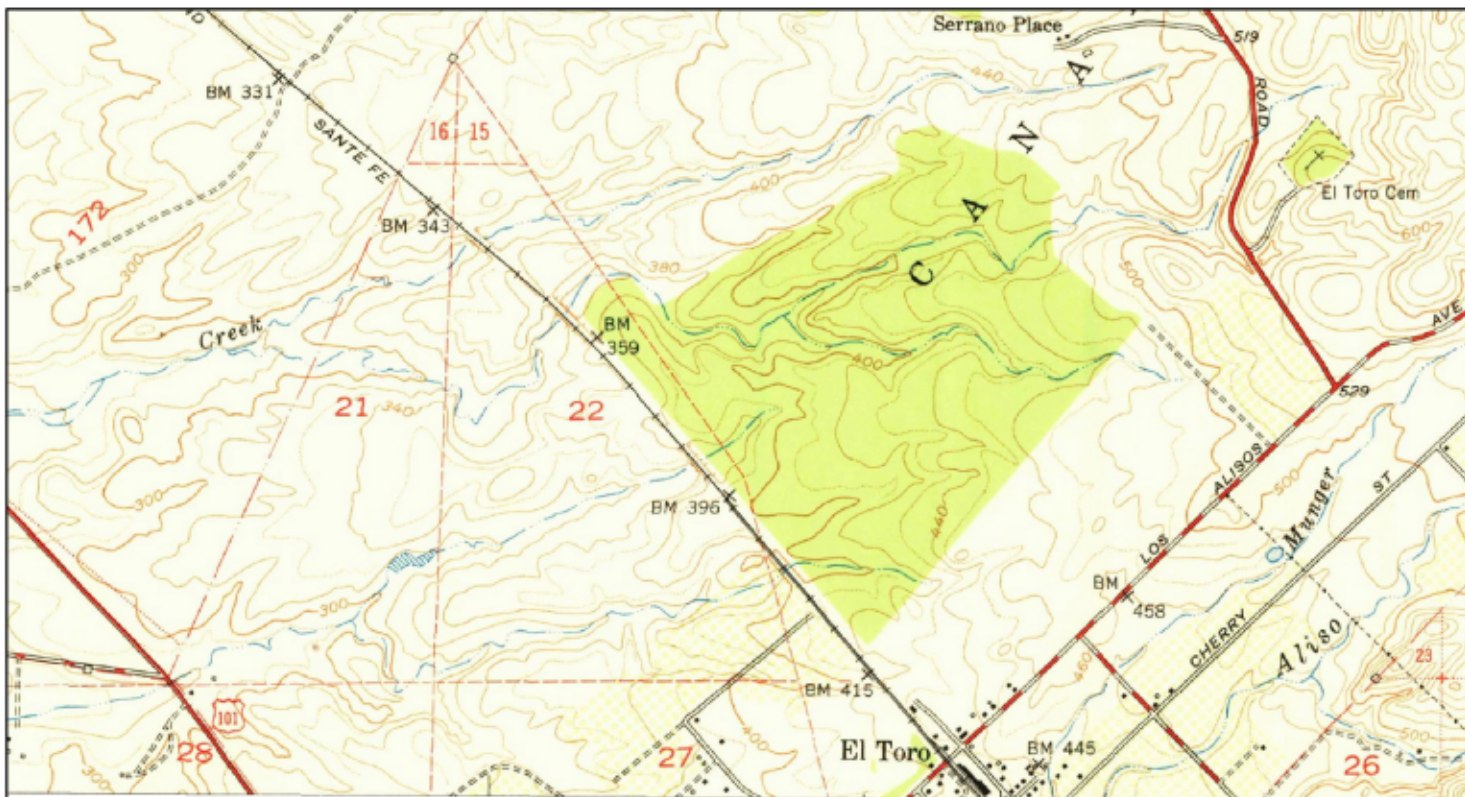
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Order No. 20190618288

Quadrangle(s): El Toro,CA; San Juan Capistrano,CA

Source: USGS 7.5 Minute Topographic Map





**1950**



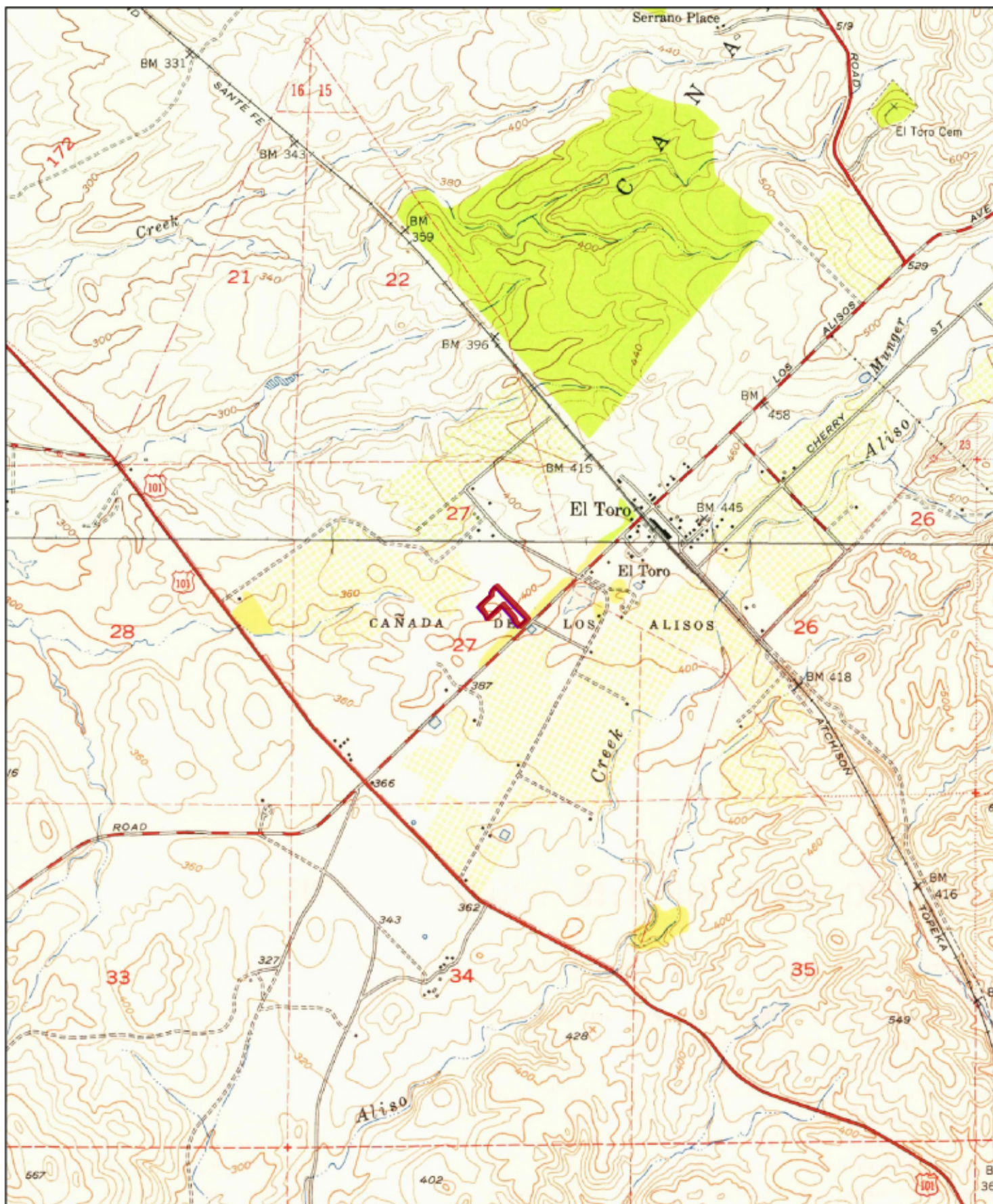
Order No. 20190618288

**Quadrangle(s): El Toro, CA**

Source: USGS 7.5 Minute Topographic Map







1949

0 0.2 0.4 0.8 Miles

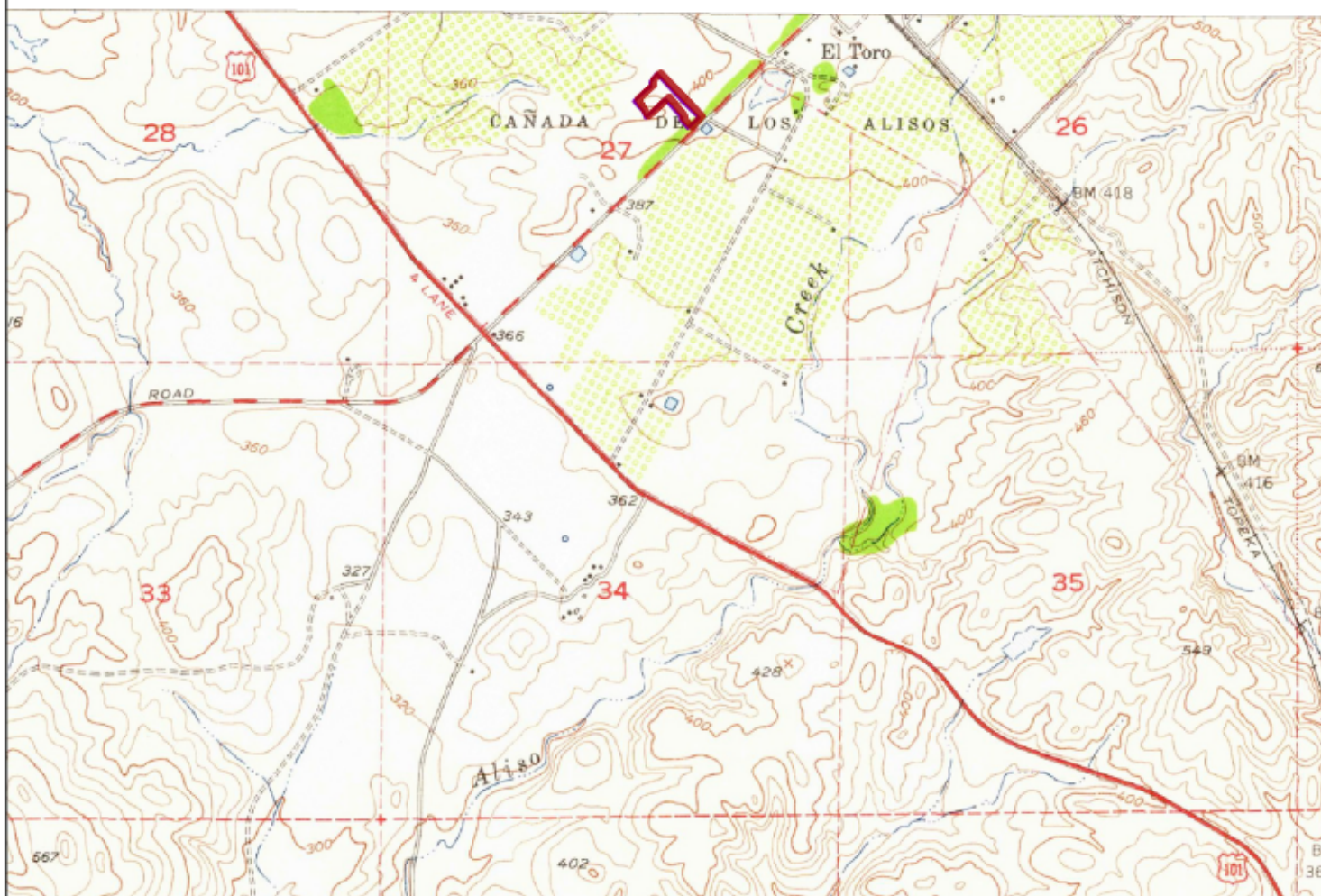
Order No. 20190618288

Quadrangle(s): El Toro, CA; San Juan Capistrano, CA

Source: USGS 7.5 Minute Topographic Map







1948

0 0.2 0.4 0.8 Miles

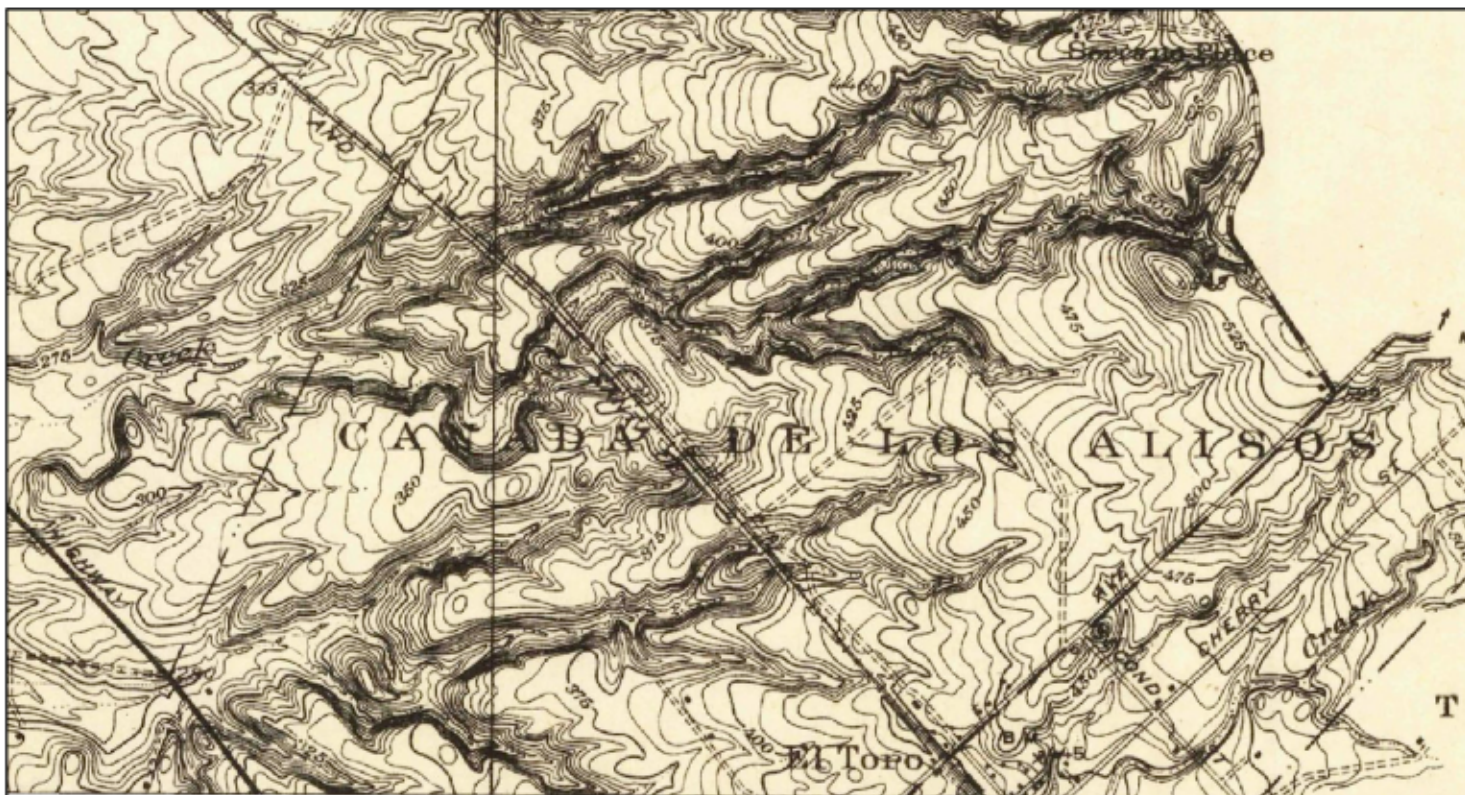
Order No. 20190618288

Quadrangle(s): San Juan Capistrano, CA

Source: USGS 7.5 Minute Topographic Map







**1935**



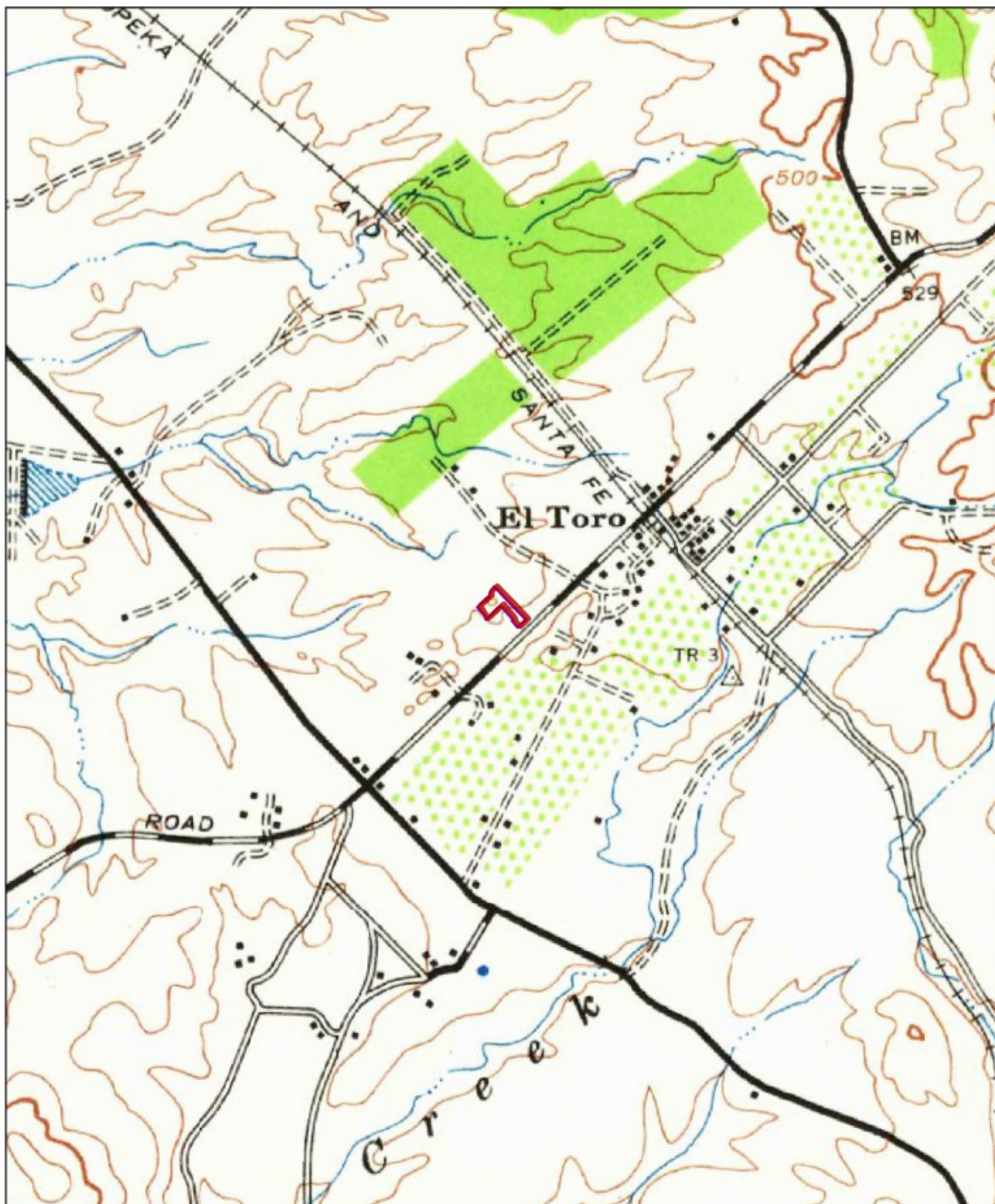
Order No. 20190618288

**Quadrangle(s): El Toro, CA**

Source: USGS 7.5 Minute Topographic Map







1942

0 0.2 0.4 0.8 Miles

Order No. 20190618288

Quadrangle(s): Santiago Peak, CA

Source: USGS 15 Minute Topographic Map



# HISTORICAL AERIALS

**Project Property:** *National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest, CA 92630*

**Project No:** *19-42-162-01*

**Requested By:** *Converse Consultants*

**Order No:** *20190618288*

**Date Completed:** *June 19, 2019*

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### Search Results Summary

Year	Source	Scale	Comment
2018	NAIP - National Agriculture Information Program	1"=500'	
2016	NAIP - National Agriculture Information Program	1"=500'	
2014	NAIP - National Agriculture Information Program	1"=500'	
2012	NAIP - National Agriculture Information Program	1"=500'	
2010	NAIP - National Agriculture Information Program	1"=500'	
2009	NAIP - National Agriculture Information Program	1"=500'	
2005	NAIP - National Agriculture Information Program	1"=500'	
2002	USGS - US Geological Survey	1"=500'	
1994	USGS - US Geological Survey	1"=500'	
1988	NHAP - National High Altitude Photography	1"=500'	
1981	USGS - US Geological Survey	1"=500'	
1972	USGS - US Geological Survey	1"=500'	
1967	USGS - US Geological Survey	1"=500'	
1963	USGS - US Geological Survey	1"=500'	
1958	FAIRCHILD - Private Company	1"=500'	
1952	ASCS - Agriculture and Soil Conservation Service	1"=500'	
1946	ASCS - Agriculture and Soil Conservation Service	1"=500'	
1939	FAIRCHILD - Private Company	1"=500'	
1931	FAIRCHILD - Private Company	1"=500'	BEST COPY AVAILABLE

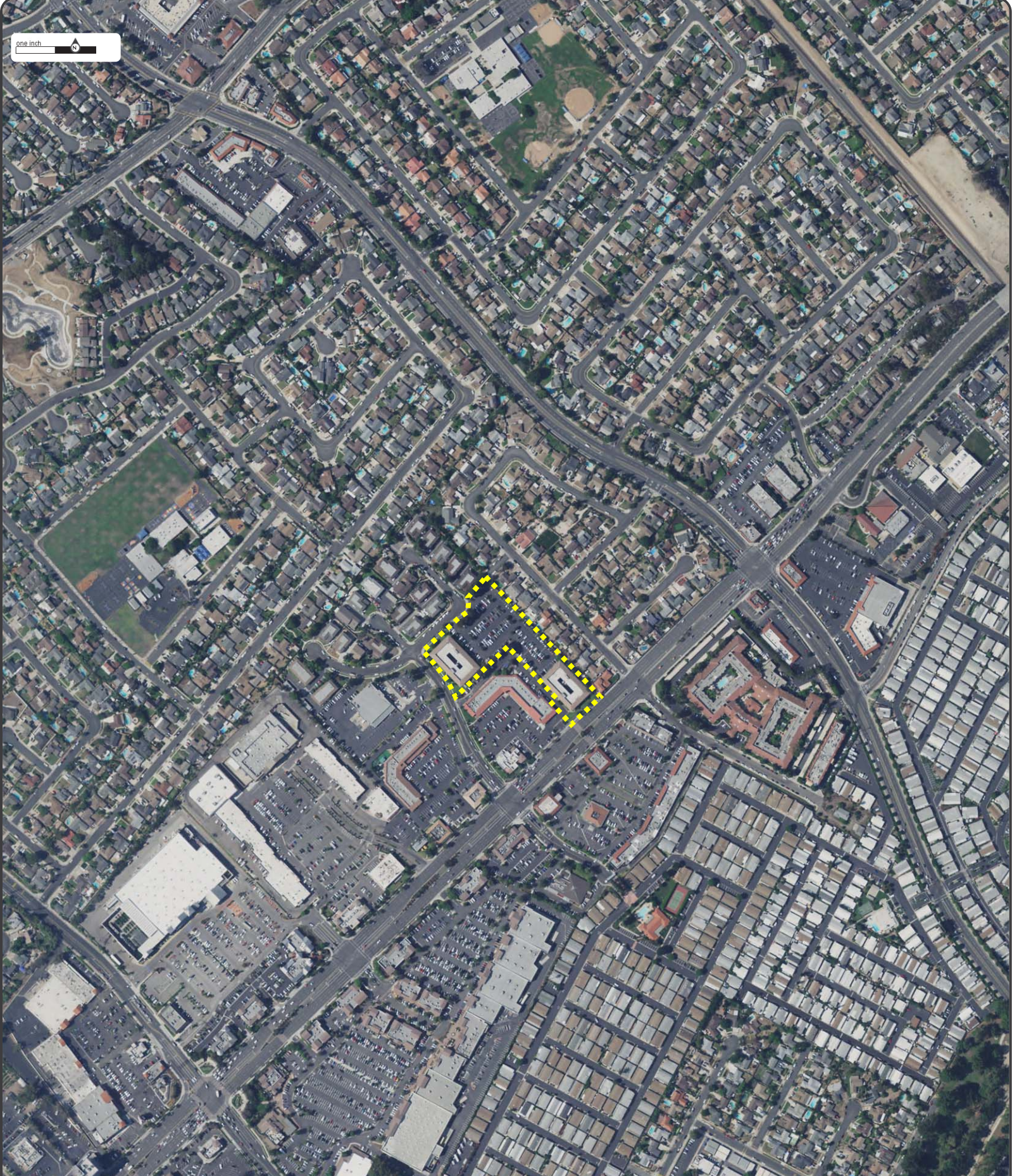
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one inch



Year: 2018  
Source: NAIP  
Scale: 1" to 500'  
Comments:

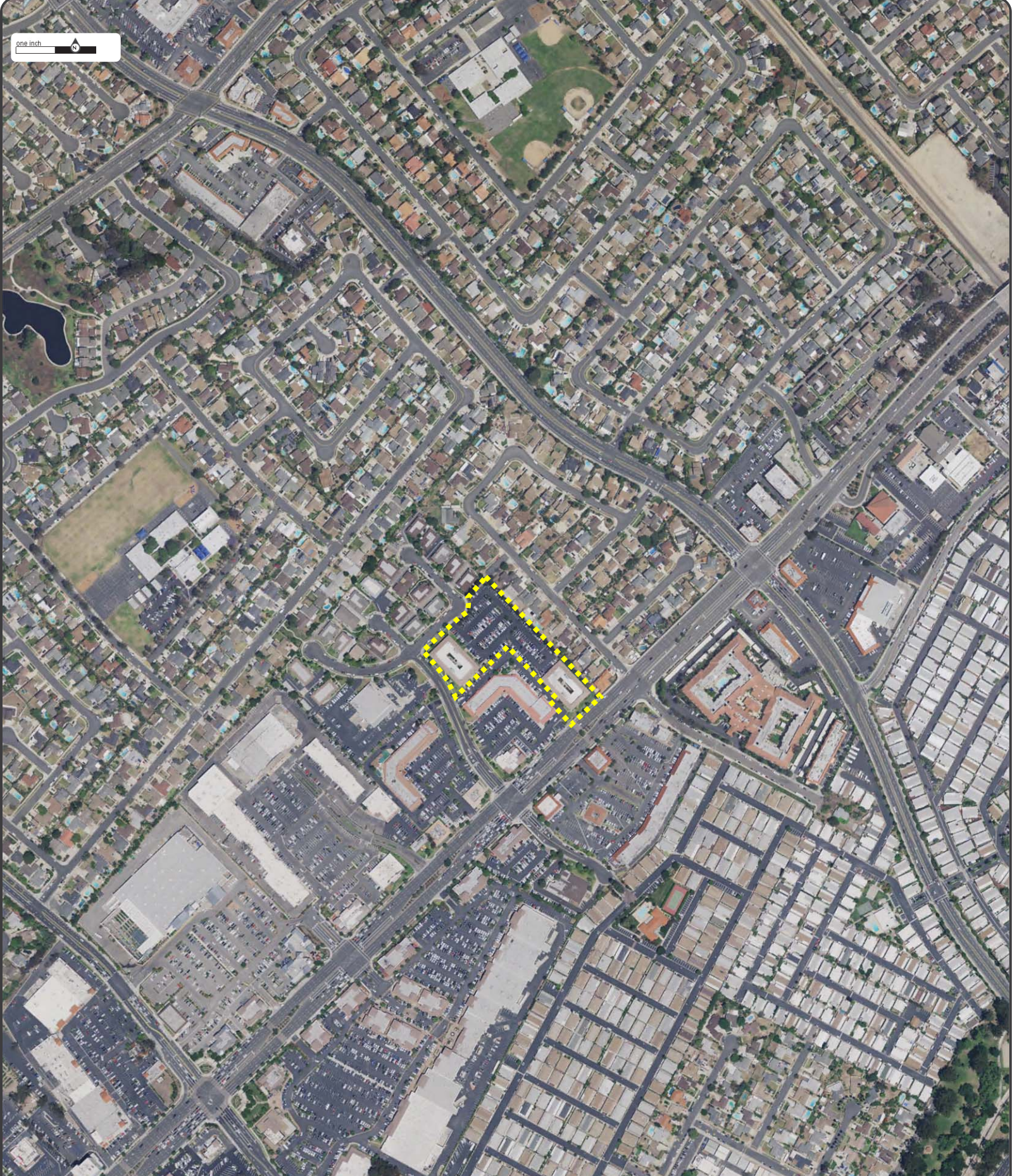
Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288





one inch



Year: 2016  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



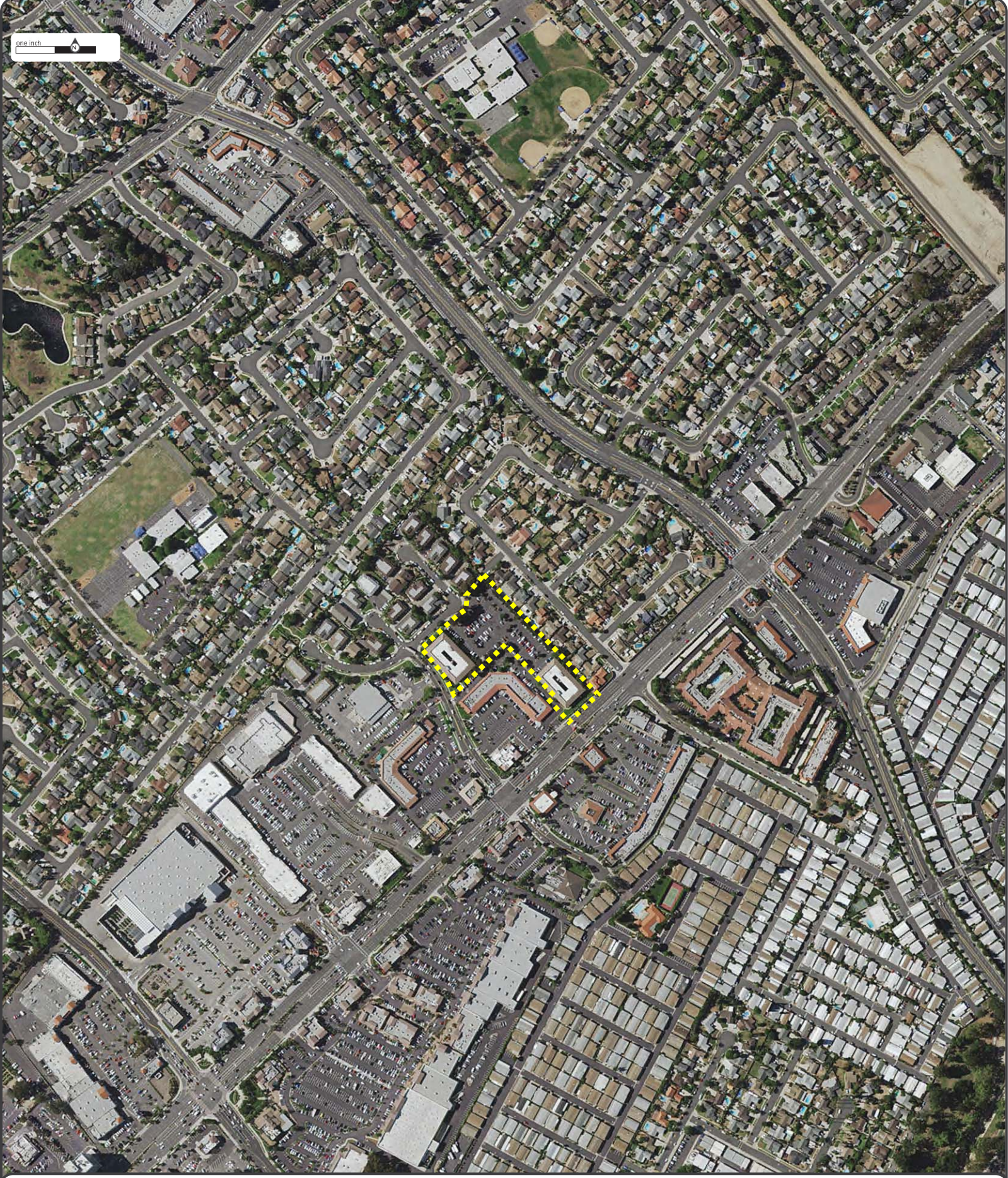
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one inch



Year: 2014  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



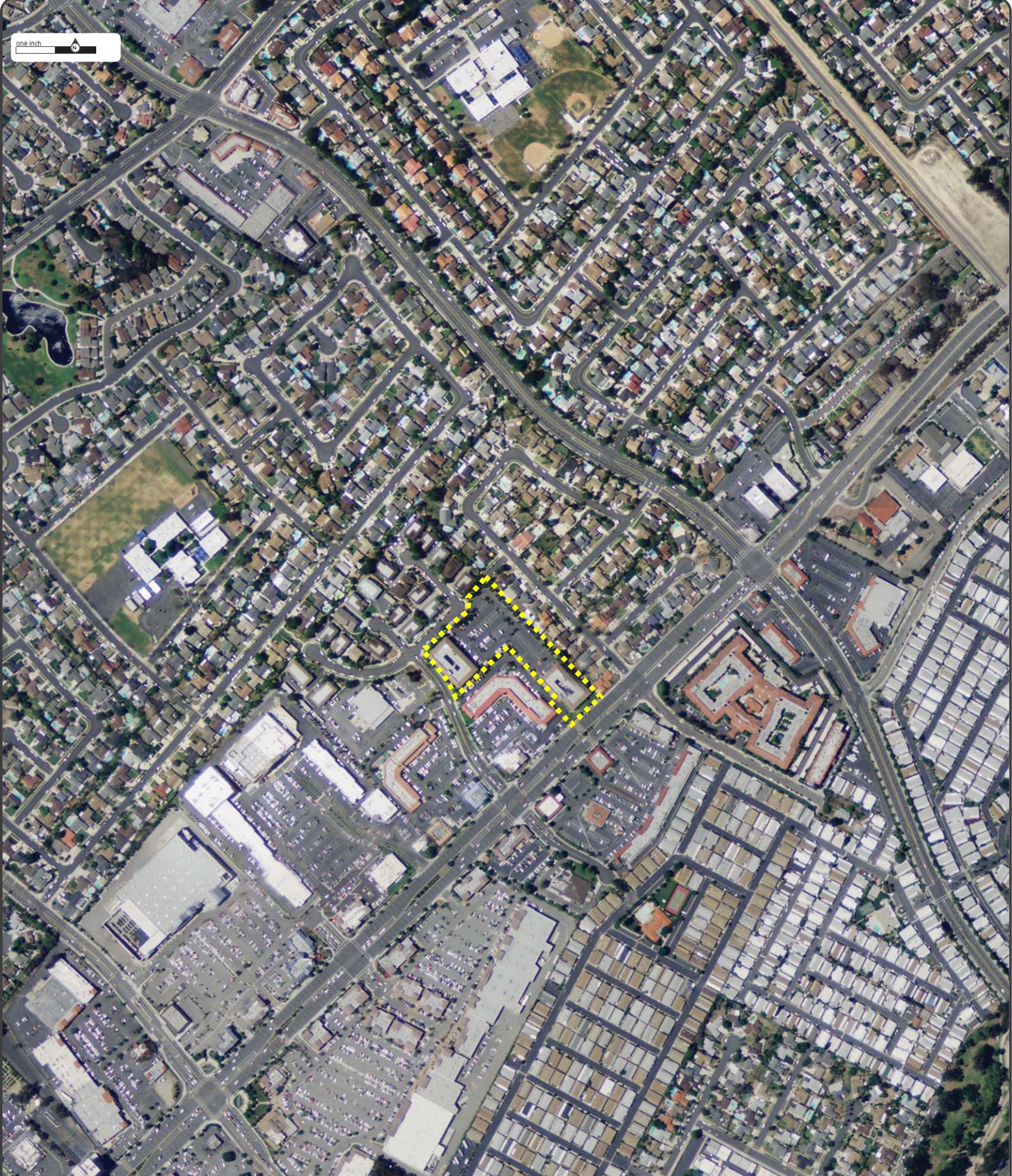
**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES

[www.ERISinfo.com](http://www.ERISinfo.com) | 1.866.517.5204





one inch



Year: 2012  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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one inch



Year: 2010  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



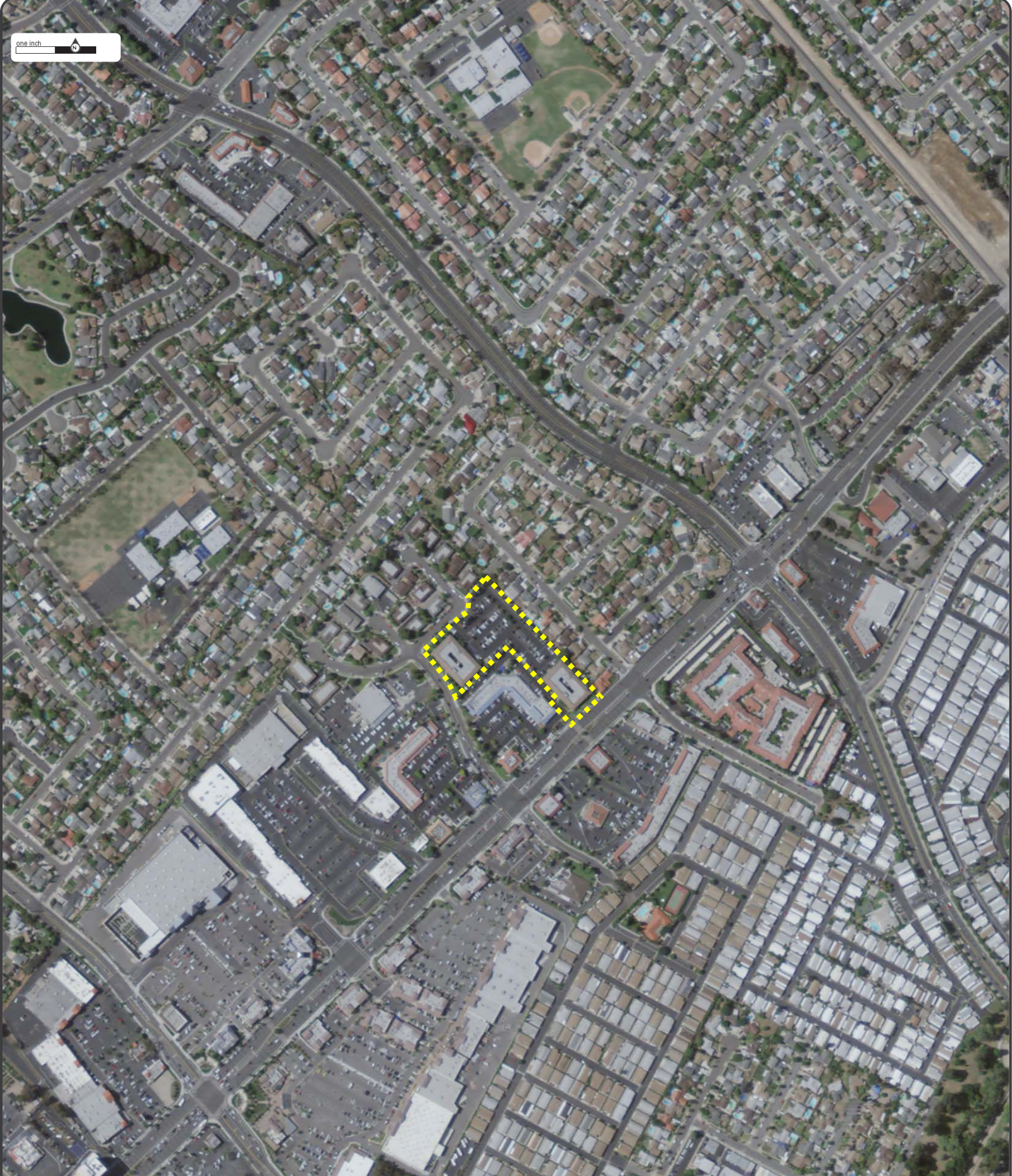
**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 2009  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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one inch



Year: 2005  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



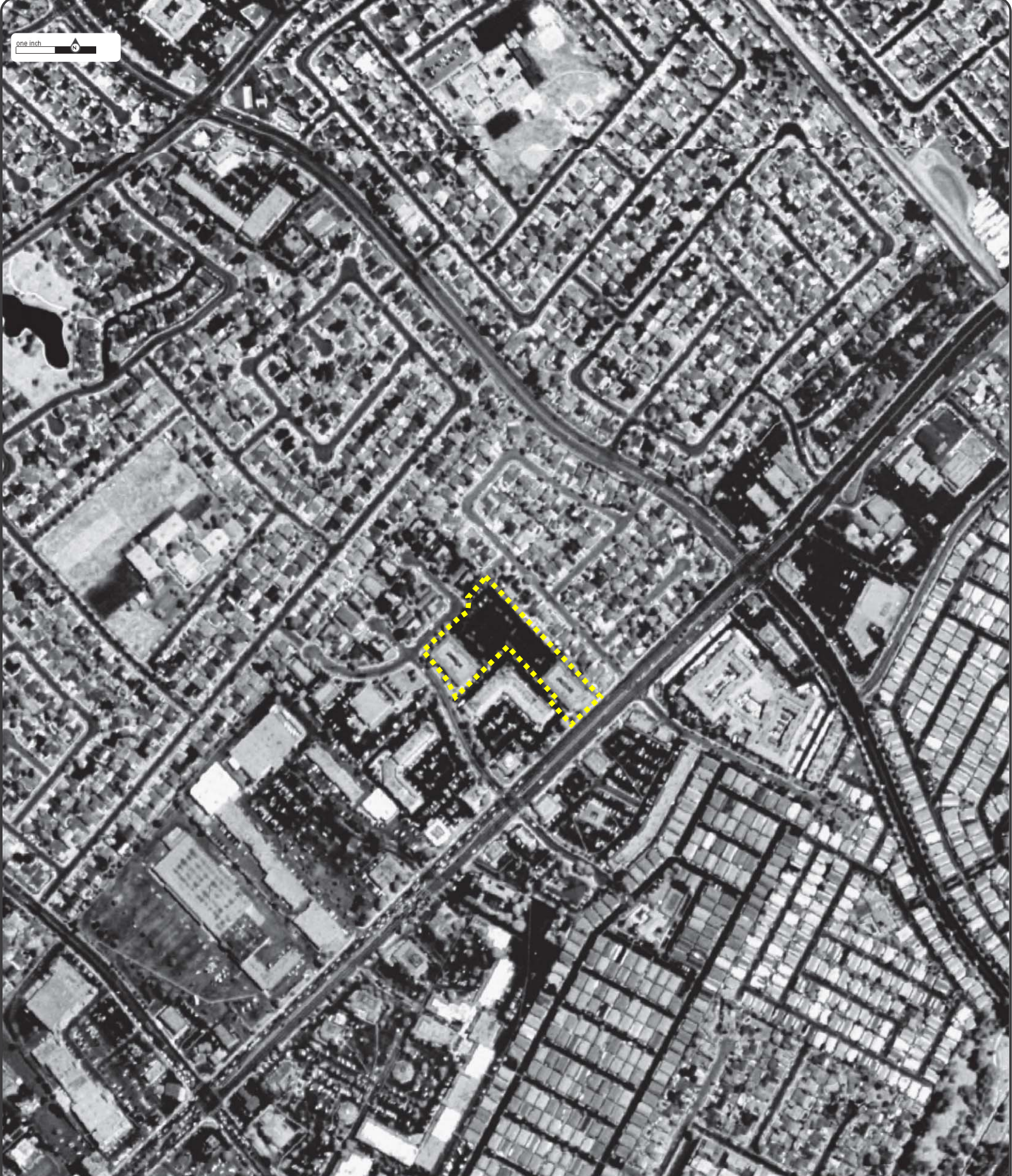
**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



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one inch



Year: 2002  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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one inch



Year: 1994  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1988  
Source: NHAP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



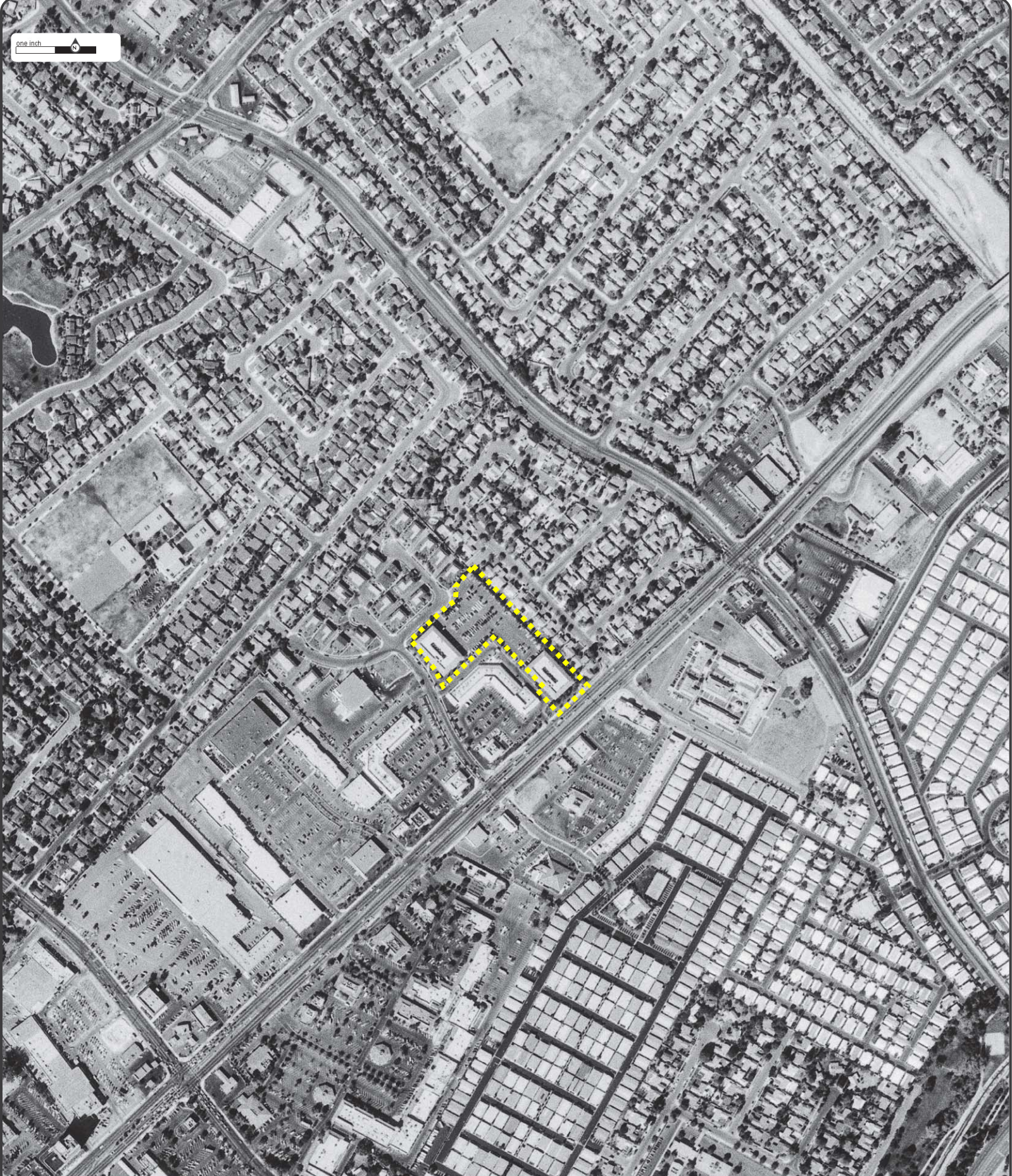
**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1981  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1972  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1967  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1963  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



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one inch



Year: 1958  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1952  
Source: ASCS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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ENVIRONMENTAL RISK INFORMATION SERVICES



[www.erisinfo.com](http://www.erisinfo.com) | 1.866.517.5204



one inch



Year: 1946  
Source: ASCS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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ENVIRONMENTAL RISK INFORMATION SERVICES



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one inch



Year: 1939  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

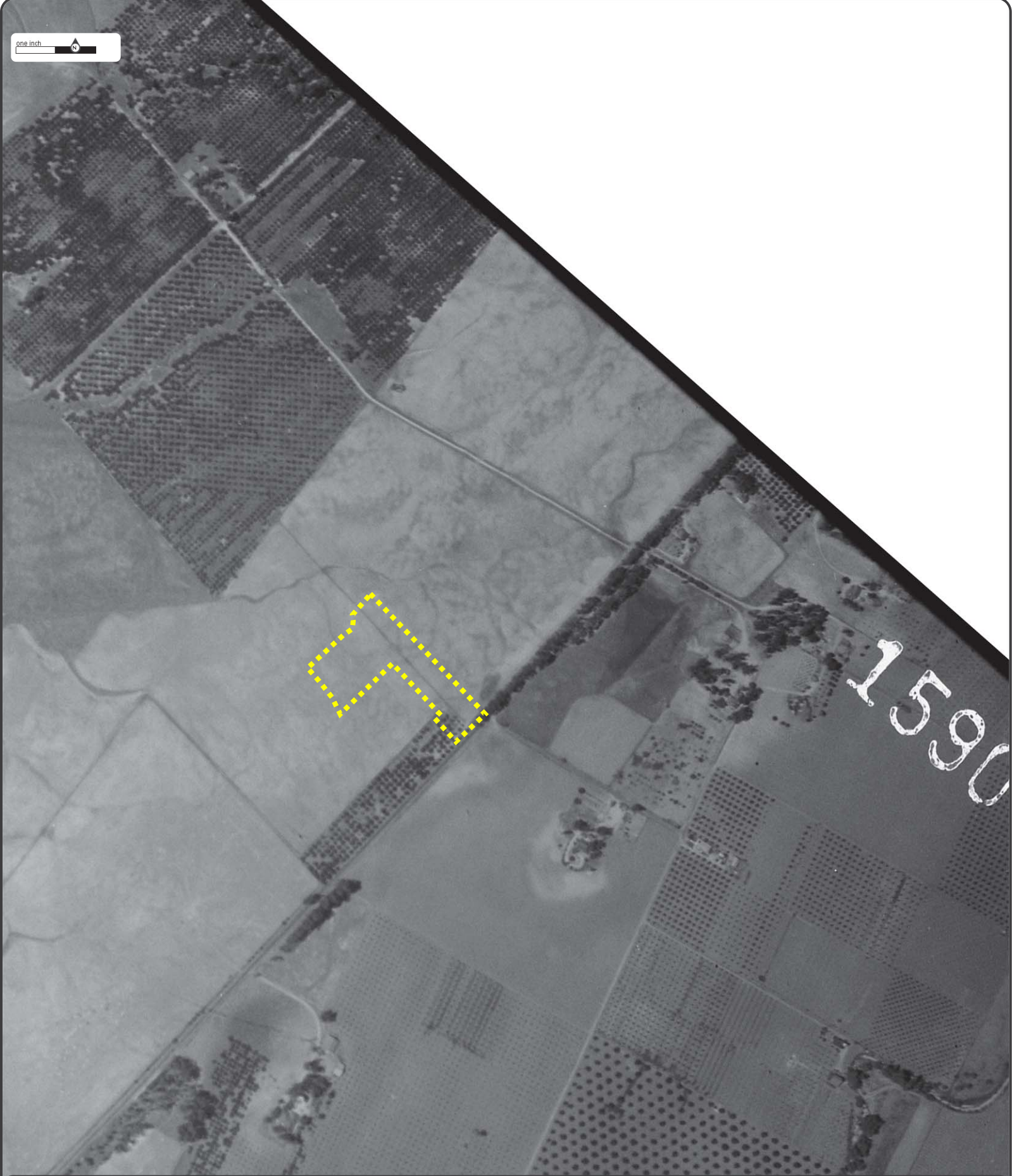
Order No: 20190618288



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one inch



Year: 1931  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments: BEST COPY AVAILABLE

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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# HISTORICAL **AERIALS**

**Project Property:** *National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest, CA 92630*

**Project No:** *19-42-162-01*

**Requested By:** *Converse Consultants*

**Order No:** *20190618288*

**Date Completed:** *June 19, 2019*



### Search Results Summary

Year	Source	Scale	Comment
2018	NAIP - National Agriculture Information Program	1"=500'	
2016	NAIP - National Agriculture Information Program	1"=500'	
2014	NAIP - National Agriculture Information Program	1"=500'	
2012	NAIP - National Agriculture Information Program	1"=500'	
2010	NAIP - National Agriculture Information Program	1"=500'	
2009	NAIP - National Agriculture Information Program	1"=500'	
2005	NAIP - National Agriculture Information Program	1"=500'	
2002	USGS - US Geological Survey	1"=500'	
1994	USGS - US Geological Survey	1"=500'	
1988	NHAP - National High Altitude Photography	1"=500'	
1981	USGS - US Geological Survey	1"=500'	
1972	USGS - US Geological Survey	1"=500'	
1967	USGS - US Geological Survey	1"=500'	
1963	USGS - US Geological Survey	1"=500'	
1958	FAIRCHILD - Private Company	1"=500'	
1952	ASCS - Agriculture and Soil Conservation Service	1"=500'	
1946	ASCS - Agriculture and Soil Conservation Service	1"=500'	
1939	FAIRCHILD - Private Company	1"=500'	
1931	FAIRCHILD - Private Company	1"=500'	BEST COPY AVAILABLE

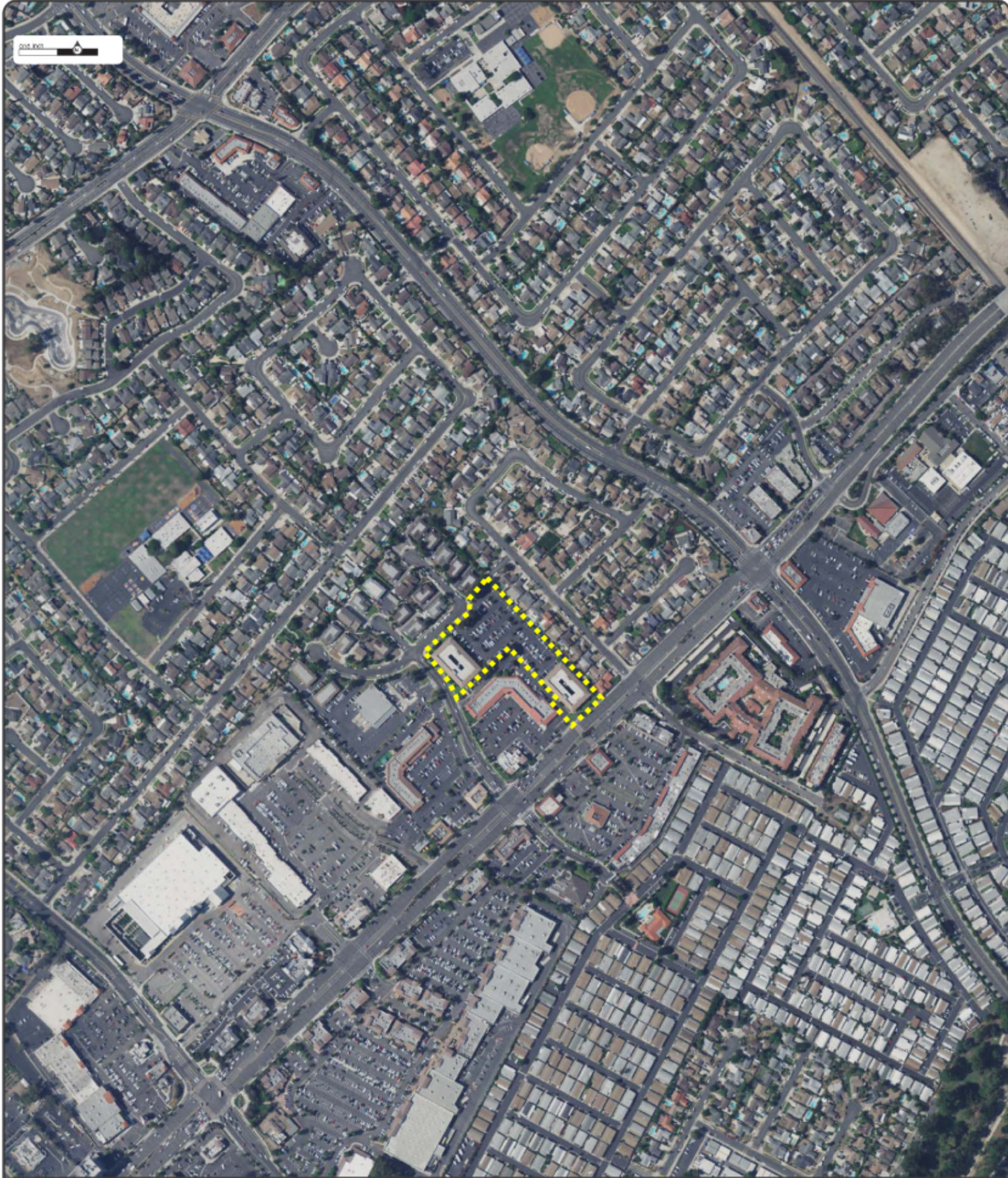
### Environmental Risk Information Services

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2018 NAIP



Year: 2018  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



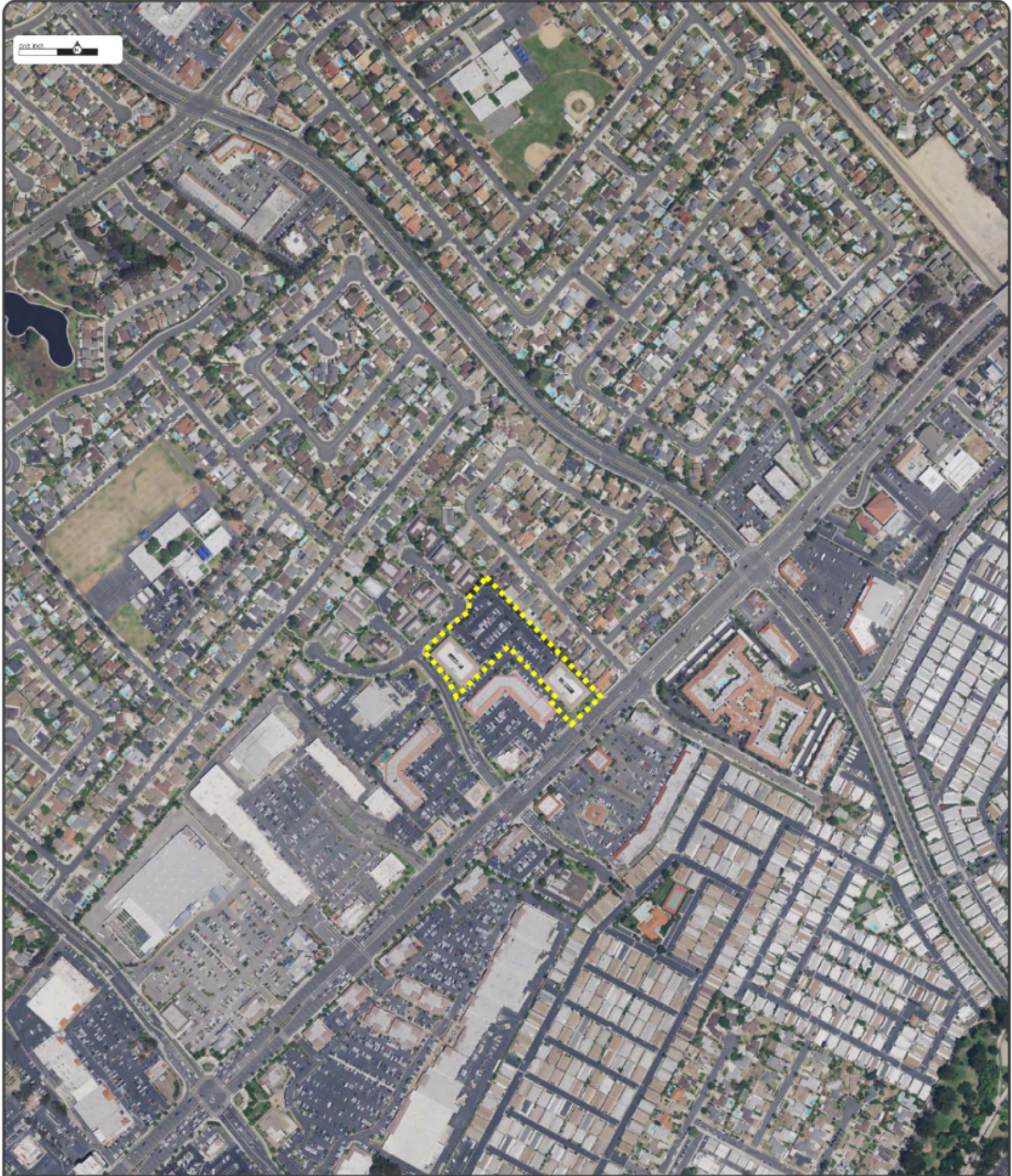
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2016 NAIP



Year: 2016  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2014 NAIP

Year: 2014  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2012 NAIP



Year: 2012  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2010 NAIP



Year: 2010  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



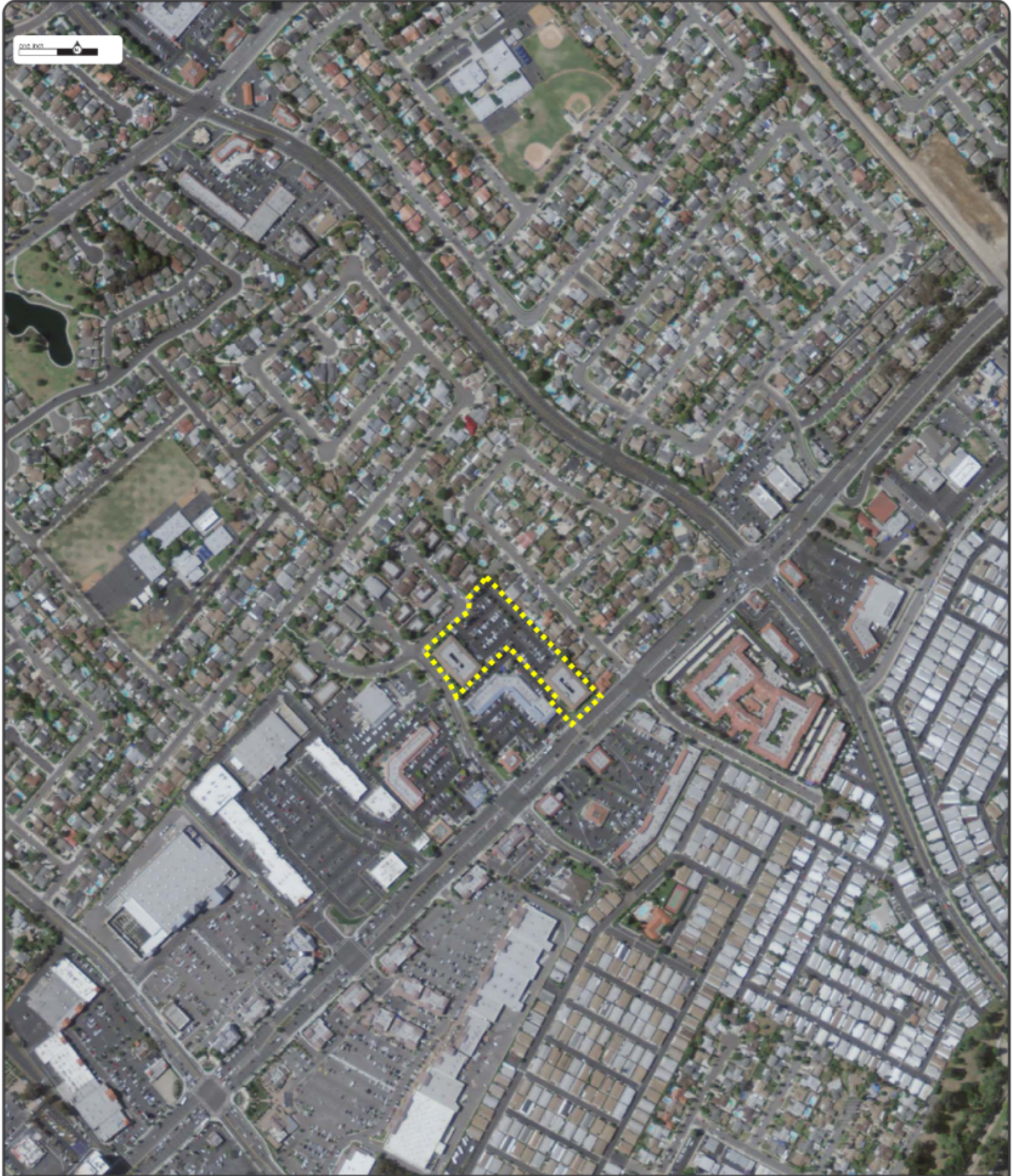
**ERIS**  
ENVIRONMENTAL RISK INFORMATION SERVICES



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2019 1001



Year: 2009  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019-2021



Year: 2005  
Source: NAIP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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20190618288



Year: 2002  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019-06-01



Year: 1994  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019\_0001



Year: 1988  
Source: NHAP  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

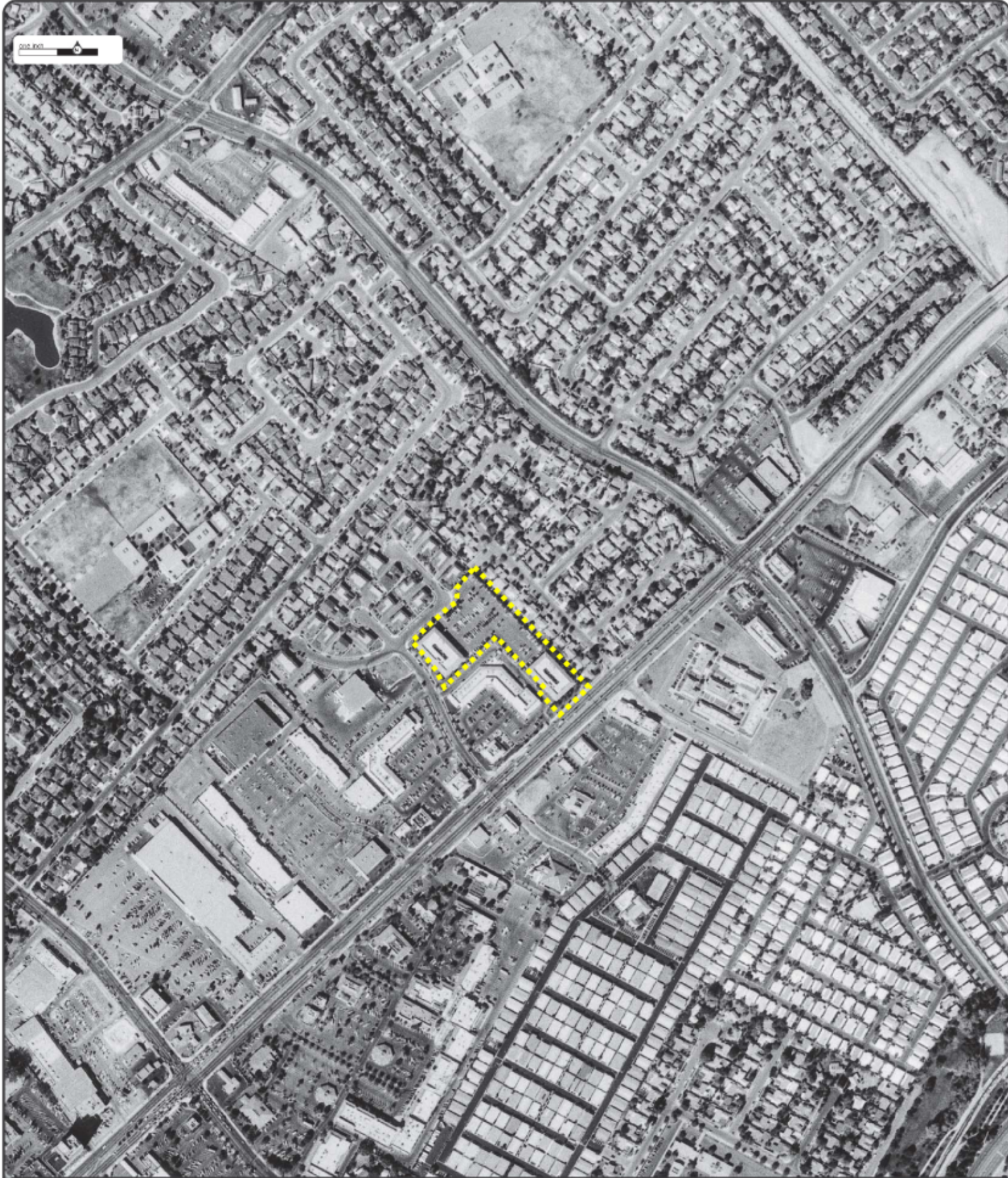
Order No: 20190618288



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2019-0001



Year: 1981  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019\_001



Year: 1972  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019\_0001



Year: 1967  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019-10-01



Year: 1963  
Source: USGS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019\_0001



Year: 1958  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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0 100 200 Feet



Year: 1952  
Source: ASCS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019\_0501



Year: 1946  
Source: ASCS  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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2019 8/20/19



Year: 1939  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments:

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288

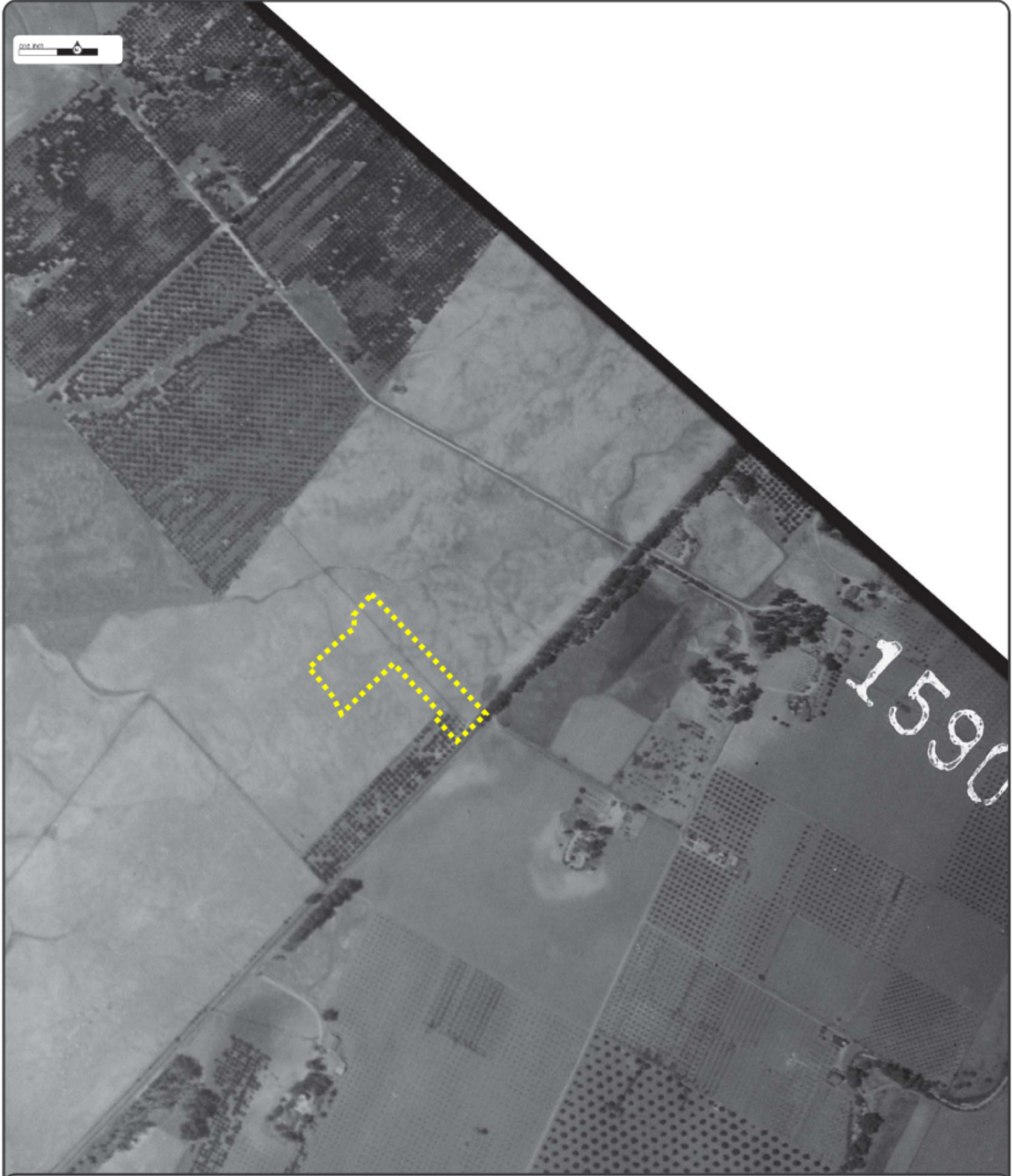


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2019-01-01



Year: 1931  
Source: FAIRCHILD  
Scale: 1" to 500'  
Comments: BEST COPY AVAILABLE

Site Address: 23591 El Toro Road Lake Forest CA  
Approx Center: 33.62222 / -117.7006

Order No: 20190618288



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# CITY DIRECTORY

**Project Property:** *National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest, CA 92630*

**Project No:** *19-42-162-01*

**Requested By:** *Converse Consultants*

**Order No:** *20190618288*

**Date Completed:** *June 24, 2019*

June 24, 2019  
RE: CITY DIRECTORY RESEARCH  
National CORE/El Toro Road  
23591 El Toro Road Lake Forest, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

23500-23600 of El Toro Road  
24551-24602 of Raymond Way

**Search Results Summary**

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2014	DIGITAL BUSINESS DIRECTORY	
2010	DIGITAL BUSINESS DIRECTORY	
2005	DIGITAL BUSINESS DIRECTORY	
2000	HAINES	
1994	HAINES	
1989	HAINES	
1981	HAINES	
1974	HAINES	
1970	STREET ADDRESS DIRECTORY	
1964	STREET ADDRESS DIRECTORY	
1959	STREET ADDRESS DIRECTORY	
1955	STREET ADDRESS DIRECTORY	
1951	STREET ADDRESS DIRECTORY	

**Environmental Risk Information Services**

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1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



166 total records. *Part 1 of 4*

23501 **SIZZLER**...FOODS-CARRY OUT  
 23501 **SIZZLER**...RESTAURANTS  
 23501 **SIZZLER**...CAFES  
 23505 **MINATO SUSHI**...RESTAURANTS  
 23507 **OMAR'S EXOTIC BIRDS**...PET SERVICE  
 23507 **OMAR'S EXOTIC BIRDS**...ECOMMERCE  
 23507 **OMAR'S EXOTIC BIRDS**...BIRDS  
 23507 **OMAR'S EXOTIC BIRDS**...DOG TRAININ  
 23512 **BIG SHOTS BILLIARD BAR GRILL**...R  
 23515 **DENNY'S**...RESTAURANTS  
 23522 **ABACUS APPLIANCE SVC CORP**...APPLI  
 23522 **ABACUS APPLIANCE SVC CORP**...APPLI  
 23522 **AFFORDABLE CARE GIVERS**...HOME HEA  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...M  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...M  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...E  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...S  
 23522 **HARKINS CHIROPRACTIC**...MASSAGE TH  
 23522 **HARKINS CHIROPRACTIC**...SPORTS MED  
 23522 **HARKINS CHIROPRACTIC**...CHIROPRACT  
 23522 **OVER THE TOP MARKETING CORP**...JNT  
 23532 **A A TOBACCO BARN PIPE SHOP**...SMOK  
 23532 **A A TOBACCO BARN PIPE SHOP**...FEDE  
 23532 **BEL AGE NAILS & SPA**...MANICURING<  
 23532 **BEL AGE NAILS & SPA**...BEAUTY SALO  
 23532 **BERUBE, KELLY**...BEAUTY SALONS  
 23532 **CAFE MATINEE**...RESTAURANTS  
 23532 **E MONEY EXPRESS INC**...CHECK CASHI  
 23532 **EL TORO METRO GRGE DOOR REPAIR**...  
 23532 **EUROPEAN TAILORS**...TAILORS  
 23532 **EUROPEAN TAILORS**...ALTERATIONS-CL  
 23532 **JEFFREY MICHAEL'S SALON & SPLS**...  
 23532 **JEFFREY MICHAEL'S SALON & SPLS**...  
 23532 **L G INSURANCE**...INSURANCE  
 23532 **LA COCINA DE RICARDO**...FOODSCARRY  
 23532 **LA COCINA DE RICARDO**...RESTAURANT  
 23532 **MERCADO EL REY LAKE FOREST**...FOOD  
 23532 **MOLINO DE ORO**...RETAIL BAKERIES  
 23532 **NINA'S INDIAN GROCERIES**...GROCERS  
 23532 **ON-SITE SPECIALISTS**...DRAPERY & C  
 23532 **ORANGETREE PLAZA BARBERS**...BARBER  
 23532 **RAHIMPOUR KOUROSH P C**...RESUME SE  
 23532 **RAHIMPOUR, KOUROSH DDS**...DENTISTS  
 23532 **RUSH BAR GRILL**...RESTAURANTS  
 23532 **SALON CENTRIC**...BEAUTY SALONS-EQU  
 23532 **SALON CENTRIC**...BEAUTY SALONS-EQU  
 23532 **SPARKLEAN LAUNDRY**...LAUNDRIES  
 23532 **SPARKLEAN LAUNDRY**...CLEANERS  
 23542 **NINA'S INDIAN GROCERY**...GROCERS-R  
 23546 **KWIKEY'S LOCK & KEY**...LOCKS & LOC  
 23552 **ASIA BUFFET**...RESTAURANTS  
 23552 **ASIA BUFFET**...FOODSCARRY OUT  
 23562 **CITIBANK**...BANKS

*Part 2 of 4*

23562 **CITIBANK**...Diagnostic Imaging Centers<  
 23562 **CITIBANK**...Real Estate Loans  
 23572 **CUPPA JUICE**...Juices-retail  
 23572 **JALAEI, MORGAN DDS**...Dentists<  
 23572 **JENNY CRAIG WEIGHT LOSS CTR**...Weight C  
 23572 **JERSEY MIKE'S SUBS**...Sandwiches  
 23572 **PANDA EXPRESS**...Restaurants  
 23572 **PANDA EXPRESS**...Cafes  
 23572 **PANDA EXPRESS**...Foods-carry Out  
 23572 **WAHOO'S FISH TACO**...Foodscarry Out  
 23572 **WAHOO'S FISH TACO**...Restaurants  
 23591 **A STAR SVC**...Appliances-household-majo  
 23591 **ACTFORENSIC.COM INC**...Forensic Consult  
 23591 **ALL STAR LOANS & REALTY**...Real Estate<  
 23591 **ALL STAR LOANS & REALTY**...Loans  
 23591 **ALLSTATE FINANCIAL SVC**...Independent F  
 23591 **AMERICAN OIL PRODUCTS INC**...Oilslubric  
 23591 **AMERICAN OIL PRODUCTS INC**...Lubricants  
 23591 **AMERICAN OIL PRODUCTS INC**...Petroleum  
 23591 **AMERICAN OIL PRODUCTS INC**...Petroleum  
 23591 **ASCENT NETWORK**...Data Communications S  
 23591 **BEVNET.COM INC**...Nonclassified Establi  
 23591 **BONDY, GAYLE**...Counselors-licensed Pro  
 23591 **BRAD PALMER-ALLSTATE AGENT**...Insurance  
 23591 **BRANSON, MARTHA L A CPA**...Accountants<  
 23591 **BRIGHTSTAR CARE**...Health Services-exte  
 23591 **BRIGHTSTAR CARE**...Schools  
 23591 **BROTEMARKLE, FRODA GALE**...Marriage & F  
 23591 **BUILDING FAMILIES INC**...Social Service  
 23591 **CARE FIRST HOME CARE**...Home Health Ser  
 23591 **CARE FIRST HOME CARE**...Health Care Alt  
 23591 **CARELINE HOME CARE SVC**...Home Health S  
 23591 **CASH FOR GOLD-LAKEFOREST**...Gold Silver  
 23591 **CASH FOR GOLD-LAKEFOREST**...Pawnbrokers  
 23591 **CENTER FOR CREATIVE TRNSTNS**...Nonclass  
 23591 **DALY-SWARTZ PUBLIC RELATIONS**...Public  
 23591 **DATA WORKS AGENCY**...Data Processing Se  
 23591 **DEDICATED RETAIL SVC**...Merchandising S  
 23591 **DEDICATED RETAIL SVC**...Business Servic  
 23591 **DEDICATED RETAIL SVC**...Business Manage  
 23591 **DIVERSIFIED INTERNATIONAL LLC**...Sports  
 23591 **EMERGENCY LAKE FOREST GRGE DR**...Doors  
 23591 **FARMERS INSURANCE**...Insurance<  
 23591 **FINANCE FOR AMERICANS CORP**...Financing  
 23591 **GOLF GUYS MARKETING MEDIA**...Marketing  
 23591 **GOLF GUYS MARKETING & MEDIA**...Marketin  
 23591 **GUARDIAN INSTALLATION INC**...Installati  
 23591 **I LIKE VINYL**...Vinyl-dealers  
 23591 **I LIKE VINYL**...Vinyl-dealers  
 23591 **IDEAL ACCOUNTING TAX SVC**...Accounting  
 23591 **IQBZ**...Computer Software  
 23591 **ISC TECHNOLOGY INC**...Computer Software

Part 3 of 4

23591 JENNIFER DISTINCTIVE LANDSCP...Landscap  
 23591 KMR PROPERTY MGMT...Real Estate Manage  
 23591 LA FAMILY CHIROPRACTIC...Nonclassified  
 23591 MGREEN FINANCIAL...Nonclassified Estab  
 23591 MISKULIN, DWAIN AGT...Insurance  
 23591 NADKARNI, PRAVIN...Document Preparatio  
 23591 OCAAC...Nonclassified Establishments  
 23591 P L PERRIN ASSOC...Nonclassified Esta  
 23591 PATH TO HEALING...Nonclassified Establ  
 23591 PERMANENT HOME PRODUCTS INC...Home Dem  
 23591 PLEXUS FINANCIAL GROUP INC...Financial  
 23591 PNR TRANSPORT...Trucking  
 23591 QOLITE INC...Nonclassified Establishme  
 23591 RENEWABLE ENERGY INC...Energy Manageme  
 23591 SABETI INSURANCE...Insurance  
 23591 SEA-SHELL MOBILE HOMES...Mobile Homes-  
 23591 SIGNODE PACKAGING SYSTEMS...Packaging  
 23591 SIGNODE PACKAGING SYSTEMS...Federal Go  
 23591 SOCAL COUNSELING SVC...Other Individua  
 23591 SOLIMAN, AMANI M DDS...Dentists  
 23591 STRAIGHT ENTERPRISES INC...Health Care  
 23591 STRAIGHT ENTERPRISES INC...Home Health  
 23591 STYLE TYPESETTING GRAPHICS...Typesett  
 23591 TH2 TECHNOLOGIES...Computerssystem Des  
 23591 TH2 TECHNOLOGIES...Custom Computer Pro  
 23591 TITLE LOANS ORANGE COUNTY...Title Comp  
 23591 TOXIC SOLUTIONS...Environmental & Ecol  
 23591 WELLS, MELINDA OD...Contact Lenses-opt  
 23591 WELLS, MELINDA OD...Optometrists Od  
 23591 WESTERN HORIZON HOSPICE...Hospices  
 23591 WESTERN HORIZON HOSPICE...Hospices  
 23600 AMERICA'S BEST...Optical Goods-retail<  
 23600 CASUAL MALE XL...Men's Clothing & Furn  
 23600 CASUAL MALE XL...Clothing & Accessorie  
 23600 COMPUTER TUTOR TECH...Computers-servic  
 23600 DORN ELECTRIC...Electric Contractors  
 23600 DYNA-LUX ELECTRIC...Electric Contracto  
 23600 EXPERT COPY SVC...Copying Machines-ser  
 23600 FINEST NAILS...Manicuring  
 23600 FINEST NAILS...Beauty Salons  
 23600 FINEST NAILS...Health Spas  
 23600 FLEA STUFF...Flea Markets  
 23600 GLOBAL CREDITORS NETWORK...Billing Ser  
 23600 GLOBAL CREDITORS NETWORK...Collection  
 23600 GREEN WORLD MASSAGE...Other Personal C  
 23600 HERO BAIL BONDS...Bonds-bail  
 23600 HR ONLY...Employment Agencies & Opport  
 23600 JET GARAGE DOORS & GATES...Doors-garag  
 23600 K KALKA HEATING PLUMBING AIR...Plumbi  
 23600 OC SPA REPAIR...Furnacesheating (whls)  
 23600 OC SPA REPAIR...Service Bureaus  
 23600 OC SPA REPAIR...Heating Contractors

Part 4 of 4

23600 OC SPA REPAIR...Plumbing Contractors  
 23600 OC SPA REPAIR...Water Heaters-repairin  
 23600 ORANGE COUNTY SPECIAL EVENTS...Events-  
 23600 PAMELA PEAK PRODUCTIONS...Unclassified  
 23600 R & S SOIL PRODUCTS...Truckingdump  
 23600 R & S SOIL PRODUCTS...Topsoil<  
 23600 TABER INSURANCE...Insurance  
 23600 WESTERN UNION...Money Transfer Service  
 23600 WESTERN UNION...Money Order Service



103 total records. *Part 1 of 2*

24551 ABACUS APPLIANCE SVC...APPLIANCES  
 24551 ASSISTING BETTER LIFE EXPRNCS...R  
 24551 ASSISTING BETTER LIFE EXPRNCS...H  
 24551 BETTER HEALTH & WELLNESS...EXERCI  
 24551 BRADFORD FINANCIAL CORP...FINANCI  
 24551 DARCY GREENE M A LMFT...NONCLASSI  
 24551 DEBT SETTLE SUPPORT...CREDIT & DE  
 24551 EASTLAND, ALYSSA M...OFFICES-PHYS  
 24551 EXECU-PHONE INC...FEDERAL GOVERN  
 24551 EXECU-PHONE INC...TELECOMMUNICATI  
 24551 EXECU-PHONE INC...TELEPHONE EQUIP  
 24551 EXECU-PHONE INC...COMPUTERSNETWORK  
 24551 EXTEND A HAND INC...CONSTRUCTION  
 24551 EXTEND A HAND INC...SOCIAL SERVIC  
 24551 EXTEND A HAND INC...FEDERAL GOVER  
 24551 GARDNER, AARON...APPRAISERS  
 24551 GARDNER, AARON...REAL ESTATE APPR  
 24551 GOLF GUYS MARKETING MEDIA...MARK  
 24551 LAKE CENTER CHIROPRACTIC...CHIROP  
 24551 MAGENTA COMPUTER...INTERNET SVCS-  
 24551 MITCHELL OWENS & ASSOC...REAL EST  
 24551 MOBILITY PHYSICAL THERAPY...EXERC  
 24551 MOBILITY PHYSICAL THERAPY...PHYSI  
 24551 NEUBAUER, SCOTT DC...CHIROPRACTOR  
 24551 O C FAMILY DIVORCE MEDIATION...DI  
 24551 OHIO NATIONAL LIFE INS-REGL...INS  
 24551 OMEGA MAGNUS...COMPUTER CONSULTAN  
 24551 ORANGE COUNTY PSYCHOLOGICAL...PSY  
 24551 PINNACLE GROUP...INSURANCE  
 24551 PREMIER APPRAISAL MANAGEMENT...RE  
 24551 SLICE UTILITIES...UTILITY CONTRAC  
 24551 STATEWIDE LABOR CORP...EMPLOYMENT  
 24551 STUDIO THREE SIXTY...MARKETING PR  
 24551 TAX SETTLEMENT CTR...TAX RETURN P  
 24551 THOMSON-PROMETRIC...NONCLASSIFIED  
 24551 UTILITY SPECIALISTS...ENGINEERS-C  
 24551 WORLD EYE CAM...CONTACT LENSES  
 24551 WORLD EYE CAM...OPTOMETRISTS OD  
 24551 WORLD EYE CAM...BURGLAR ALARM SYS  
 24551 WORLD EYE CAM...SECURITY SYSTEMS<  
 24551 ZACHARIAH, SUSAN MD...PHYSICIANS  
 24551 ZACHARIAH, SUSAN MD...MEDICAL & S  
 24552 KLEIN ELECTRIC...ELECTRIC CONTRAC  
 24552 MAXEEMIZE...INTERNET SERVICE  
 24552 MISSION ACCOMPLISHED INVESTIGA...  
 24552 TEKRANGE...COMPUTER & EQUIPMENT D  
 24552 US POST OFFICE...POST OFFICES  
 24552 US POST OFFICE...STATE GOVERNMENT  
 24601 ALISO BAKERY...BAKERS-RETAIL  
 24601 BELL TOWER FLORIST & GIFTS...CAND  
 24601 BELL TOWER FLORIST & GIFTS...FLOR  
 24601 BELL TOWER FLORIST & GIFTS...FLOR  
 24601 BELL TOWER FLORIST & GIFTS...WEDD

*Part 2 of 2*

24601 CASH MY CHECK...Loans  
 24601 CASH MY CHECK...Check Cashing Service<  
 24601 HAIR CLIPS...Beauty Salons  
 24601 IMPRESSIONS BEAUTY SUPL & SLN...Beauty  
 24601 MANILA FOOD MART...Restaurants  
 24601 MICHALSKI, IRMA...Data Processing Serv  
 24601 MICHALSKI, IRMA...Information Bureaus<  
 24601 MINT SPA...Health Spas  
 24601 MONTESSORI CHILDREN'S SCH HSE...Child  
 24601 MONTESSORI CHILDREN'S SCHOOL...Montess  
 24601 MONTESSORI CHILDREN'S SCHOOL...Schools  
 24601 MONTESSORI CHILDREN'S SCHOOL...Tutorin  
 24601 MONTESSORI CHILDREN'S SCHOOL...Schools  
 24601 O'REILLY AUTO PARTS...Batteriesstorage  
 24601 O'REILLY AUTO PARTS...Automobile Repai  
 24601 O'REILLY AUTO PARTS...Automobile Parts  
 24601 O'REILLY AUTO PARTS...Batteries-storag  
 24601 PAYLESS CARPET & FLOORS...Carpet & Rug  
 24601 RN HAIR & NAILS SALON...Health Spas  
 24601 RN HAIR & NAILS SALON...Beauty Salons<  
 24601 RN HAIR & NAILS SALON...Manicuring  
 24601 SHAGGY 2 CHIC PET SPA...Pet Washing &  
 24601 SONI'S BROW & BEAUTY...Beauty Salons  
 24601 TACOS ENSENADA...Caterers  
 24601 TACOS ENSENADA...Ice  
 24601 TACOS ENSENADA...Foodscarry Out  
 24601 TACOS ENSENADA...Restaurants  
 24602 ACE A MONTESSORI PRESCHOOL...Schools-n  
 24602 ATWOB CALM...Food Supplements<  
 24602 BABY NUTRITIONAL CTR...Health & Diet F  
 24602 CHOPSTICKS PHO RESTAURANT...Restaurant  
 24602 CROWN GOWNS...Bridal Shops  
 24602 CROWN GOWNS...Nonclassified Establishm  
 24602 EL PROGRESO ARTICULOS PARA EL...Restau  
 24602 GHOST WOLF TATTOO...Tattooing<  
 24602 HIERRO'S MARKET...Grocers-retail  
 24602 HOMELAND INSURANCE & AUTO SVC...Insura  
 24602 JIM'S SHOE REPAIR...Shoe & Boot Repair  
 24602 JUDITHS MONEY EXPRESS INC...Financial  
 24602 LATINO'S BEAUTY SALON...Beauty Salons<  
 24602 M S P WIRELESS I...Cellular Telephones  
 24602 NARKHEDE, PANKAJ DDS...Dentists  
 24602 PAL'S VACUUM SEWING CTR...Vacuum Clean  
 24602 PAL'S VACUUM SEWING CTR...Sewing Machi  
 24602 Q Z DAY SPA...Spas-beauty & Day  
 24602 RAMIREZ, JESUS DDS...Dental Hygienists  
 24602 RAMIREZ, JESUS DDS...Dentists<  
 24602 RAMIREZ, MAYRA...Restaurant Management  
 24602 STATINERY POINT INC...Nonclassified Es  
 24602 UP IN SMOKE...Smoke Shops & Supplies

174 total records. *Part 1 of 4*

23501 **SIZZLER**...FULL-SERVICE RESTAURANT  
 23501 **SIZZLER**...FOODS-CARRY OUT  
 23505 **EL TORO GARAGE DOOR REPAIR SVC**...  
 23505 **MINATO SUSHI**...FULL-SERVICE RESTA  
 23507 **OMAR'S EXOTIC BIRDS**...BIRDS  
 23507 **OMAR'S EXOTIC BIRDS**...PET CARE, E  
 23507 **OMAR'S EXOTIC BIRDS**...PET SUPPLIE  
 23512 **BIG SHOTS BILLIARD BAR GRILL**...F  
 23512 **BIG SHOTS BILLIARD BAR & GRILL**...  
 23512 **BIG SHOTS BILLIARD BAR & GRILL**...  
 23515 **DENNY'S**...FOODS-CARRY OUT  
 23515 **DENNY'S**...FULL-SERVICE RESTAURANT  
 23522 **ABACUS APPLIANCE SVC CORP**...APPLI  
 23522 **ABACUS APPLIANCE SVC CORP**...APPLI  
 23522 **AFFORDABLE CARE GIVERS**...HOME HEA  
 23522 **BRADFORD FINANCIAL CORP**...FINANCI  
 23522 **BRADFORD REAL ESTATE FINANCE**...OF  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...S  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...M  
 23522 **EL TORO GOURMET MEATS SEAFOOD**...W  
 23532 **A A TOBACCO BARN PIPE SHOP**...CIGA  
 23532 **A A TOBACCO BARN PIPE SHOP**...TOBA  
 23532 **A A TOBACCO BARN PIPE SHOP**...FEDE  
 23532 **A A TOBACCO BARN PIPE SHOP**...E-CO  
 23532 **ATM**...COMMERCIAL BANKING<  
 23532 **BEL AGE NAILS SPA**...BEAUTY SALON  
 23532 **BEL AGE NAILS & SPA**...MANICURING<  
 23532 **BOBBY D'S BAR GRILL**...DRINKING P  
 23532 **BOBBY D'S BAR & GRILL**...RESTAURAN  
 23532 **BRITTANY DURLACH HAIR STYLIST**...B  
 23532 **CAFE MATINEE**...FULL-SERVICE RESTA  
 23532 **CALLAHAN, KATIE**...BEAUTY SALONS  
 23532 **E MONEY EXPRESS INC**...FINANCIAL T  
 23532 **EL TORO METRO GRGE DOOR REPAIR**...  
 23532 **EUROPEAN TAILORS**...OTHER CLOTHING  
 23532 **GONZALEZ-LOPEZ INC**...AUTOMOBILE D  
 23532 **HAIR BY JAMIE CANNON**...BEAUTY SAL  
 23532 **HAIR MECHANICS**...WEDDING SUPPLIES  
 23532 **JEFFREY MICHAEL'S SALON SPLS**...B  
 23532 **LA COCINA DE RICARDO**...FULL-SERVI  
 23532 **MERCADO EL REY LAKE FOREST**...SUPE  
 23532 **MICHAEL MAX SALON**...BEAUTY SALONS  
 23532 **MOLINO DE ORO**...NONCLASSIFIED EST  
 23532 **MR DRAIN PLUMBING**...PLUMBING & HV  
 23532 **NINA'S INDIAN GROCERIES**...SUPERMA  
 23532 **ON-SITE SPECIALISTS**...DRAPERY & C  
 23532 **ON-SITE SPECIALISTS**...VENETIAN BL  
 23532 **ON-SITE SPECIALISTS**...ALL OTHER S  
 23532 **ON-SITE SPECIALISTS**...DRAPERIES &  
 23532 **ORANGE TREE CLEANERS**...DRYCLEANIN  
 23532 **ORANGETREE PLAZA BARBERS**...BARBER  
 23532 **SALON CENTRIC**...WHOLESALE TRADE A  
 23532 **SALON CENTRIC**...COSMETICS & PERFU

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23532 **SALON CENTRIC**...Beauty Salons-equipmen  
 23532 **SPARKLEAN LAUNDRY**...Drycleaning & Laun  
 23532 **SPARKLEAN LAUNDRY**...Laundries-self Ser  
 23532 **SPARKLEAN LAUNDRY**...Cleaners  
 23532 **THAI, JEANETTE DDS**...Offices Of Dentis  
 23542 **NINA'S INDIAN GROCERY**...Shopping Servi  
 23542 **NINA'S INDIAN GROCERY**...Supermarkets &  
 23546 **KWIKEY'S LOCK KEY**...Locksmiths  
 23552 **ASIA BUFFET**...Full-service Restaurants  
 23562 **CITIBANK**...Commercial Banking<  
 23562 **CITIBANK**...Automated Teller Machines  
 23562 **CITIBANK ATM**...Commercial Banking  
 23572 **GOLDEN SPOON**...All Other Specialty Foo  
 23572 **GOLDEN SPOON**...Ice Cream Parlors  
 23572 **GOLDEN SPOON**...Restaurants  
 23572 **JALAEI, MORGAN DDS**...Offices Of Dentis  
 23572 **JENNY CRAIG WEIGHT LOSS CTR**...Diet & W  
 23572 **MORGAN DENTAL**...Offices Of Dentists  
 23572 **PANDA EXPRESS**...Full-service Restauran  
 23572 **PANDA EXPRESS**...Foods-carry Out  
 23572 **WAHOO'S FISH TACO**...Full-service Resta  
 23591 **A STAR SVC**...Appliance Repair & Mainte  
 23591 **ALISO ALISO TAX ACCOUNTING**...Tax Prep  
 23591 **ALL STAR LOANS REALTY**...Offices Of Re  
 23591 **ALL STAR LOANS & REALTY**...Loans  
 23591 **AMANI, SOLIMAN DDS**...Offices Of Dentis  
 23591 **AMERICAN OIL PRODUCTS INC**...Gas Compan  
 23591 **AMERICAN OIL PRODUCTS INC**...Petroleum  
 23591 **AMERICAN OIL PRODUCTS INC**...Lubricants  
 23591 **AMSBIO**...Process & Logistics Consultin  
 23591 **BEHAVIOR CAPITAL INC**...Misc Ambulatory  
 23591 **BONDY, GAYLE**...Other Individual & Fami  
 23591 **BRAD PALMER-ALLSTATE AGENT**...Insurance  
 23591 **BRANSON, MARTHA L A CPA**...Offices Of C  
 23591 **BRIGHTSTAR CARE**...Home Health Care Svc  
 23591 **BRIGHTSTAR CARE**...Home Health & Health  
 23591 **BRIGHTSTAR CARE**...Health Services-exte  
 23591 **BUILDING FAMILIES INC**...Other Individu  
 23591 **CAREGIVERS R US**...Misc Ambulatory Heal  
 23591 **CARELINE HOME CARE SVC**...Home Health C  
 23591 **CASH FOR GOLD-LAKEFOREST**...All Other N  
 23591 **CASH FOR GOLD-LAKEFOREST**...Gold Silver  
 23591 **CVC REAL ESTATE GROUP**...Offices Of Rea  
 23591 **DEDICATED RETAIL SVC**...All Other Suppo  
 23591 **DIVERSIFIED INTERNATIONAL LLC**...Other  
 23591 **DREXELIUS, RICHARD J MD**...Offices Of P  
 23591 **EMERGENCY LAKE FOREST GRGE DRS**...Other  
 23591 **FARMERS INSURANCE**...Insurance Agencies  
 23591 **FINANCE FOR AMERICANS CORP**...Consumer  
 23591 **FINANCIAL ALTERNATIVE SLTNS**...Real Est  
 23591 **FINANCIAL ALTERNATIVE SLTNS**...Credit &  
 23591 **GALAXY CONTROL SYSTEMS**...Nonclassified



## Part 3 of 4

23591 **GOLF GUYS MARKETING MEDIA...***Marketing*  
 23591 **IFR...***Investment Advice*  
 23591 **INDEPENDENT FINANCIAL SVC GRP...***Real E*  
 23591 **IQUBZ...***Federal Government Contractors*  
 23591 **IQUBZ...***Computer Services*  
 23591 **IQUBZ...***Computer & Software Stores*  
 23591 **ISBS GROUP...***Other Heavy Construction<*  
 23591 **ISC TECHNOLOGY INC...***Computer Services*  
 23591 **ISC TECHNOLOGY INC...***Computer & Softwa*  
 23591 **ISC TECHNOLOGY INC...***Computer Training*  
 23591 **KMR PROPERTY MGMT...***Offices Of Real Es*  
 23591 **MARINA DENTAL...***Offices Of Dentists*  
 23591 **MT ZONE...***Records Tapes & Compact Disc*  
 23591 **MT ZONE...***Other Sound Recording Indust*  
 23591 **NATIONAL DEFAULT SERVICING...***Nonclassi*  
 23591 **ORANGE COUNTY ARC...***Social Security Co*  
 23591 **ORANGE COUNTY ARC...***Vocational Rehabil*  
 23591 **PACKAGE MORTGAGE...***Real Estate Credit*  
 23591 **PATRICIA'S DOMESTIC AGENCY...***Child Day*  
 23591 **PLEXUS FINANCIAL GROUP INC...***Financial*  
 23591 **PLEXUS FINANCIAL GROUP INC...***Investmen*  
 23591 **PREFERRED AIR SVC CO...***Plumbing & Hvac*  
 23591 **QUALITY ESTATE PROPERTIES...***Offices Of*  
 23591 **R DE LA PENA ASSOC...***Offices Of Real*  
 23591 **S C JOHNSON & SON INC...***Waste Disposal*  
 23591 **SABETI INSURANCE...***Insurance Agencies*  
 23591 **SABETI INSURANCE SVC...***Insurance-life*  
 23591 **SABETI INSURANCE SVC...***Insurance-healt*  
 23591 **SEA-SHELL MOBILE HOMES...***Manufactured,*  
 23591 **SOLIMAN, AMANI M DDS...***Offices Of Dent*  
 23591 **SORENSEN, KERRY...***Offices Of Lawyers*  
 23591 **STRAIGHT ENTERPRISES INC...***Home Health*  
 23591 **TITLE LOANS ORANGE COUNTY...***Title Abst*  
 23591 **TOTH, CAROLYN...***Misc Ambulatory Health*  
 23591 **TRI CROWN LENDING...***Loans*  
 23591 **TRI CROWN LENDING...***Real Estate Credit*  
 23591 **WELLS, MELINDA OD...***Contact Lenses-opt*  
 23591 **WELLS, MELINDA OD...***Opticians<*  
 23591 **WELLS, MELINDA OD...***Offices Of Optomet*  
 23600 **ACDC FINANCE...***Investment Advice*  
 23600 **BULKY ITEMS COLLECTION...***All Other Pro*  
 23600 **CASUAL MALE XL...***Clothing & Accessorie*  
 23600 **CASUAL MALE XL...***Men's Clothing Stores*  
 23600 **CASUAL MALE XL...***Shoes-retail<*  
 23600 **COMPUTER TUTOR TECH...***Computer & Offic*  
 23600 **COMPUTER TUTOR TECH...***Tutoring*  
 23600 **CREATIVE RESOURCE SOLUTIONS...***Nonclass*  
 23600 **DAVIES, WILLIAM E MD...***Offices Of Phys*  
 23600 **DYNA-LUX ELECTRIC...***Electrical Contrs<*  
 23600 **EL TORO MAIL BOXES...***Mail Box-rentals<*  
 23600 **EL TORO MAIL BOXES...***All Other Persona*  
 23600 **EXPERT COPY SVC...***Copying Machines-ser*

## Part 4 of 4

23600 **FINEST NAILS...***Manicuring*  
 23600 **FINEST NAILS...***Beauty Salons*  
 23600 **GLOBAL CREDITORS NETWORK...***Collection*  
 23600 **HAIR CUTTERS...***Beauty Salons*  
 23600 **HERO BAIL BONDS...***Direct Property & Ca*  
 23600 **IMS MANAGEMENT SVC...***Office Administra*  
 23600 **JAY RODGERS MOBILE NOTARY...***All Other*  
 23600 **JET GARAGE DOORS GATES...***Other Buildi*  
 23600 **LAKE FOREST ORANGE COAST...***Building In*  
 23600 **LEGACY CONSTRUCTORS INC...***New Single-f*  
 23600 **OC SPA REPAIR...***Other Technical Consul*  
 23600 **OC SPA REPAIR...***Hot Tubs & Spas-servic*  
 23600 **R & S SOIL PRODUCTS...***Topsoil<*  
 23600 **TECHNOLOGY SUPPLY CHAIN...***Hardware Sto*  
 23600 **VACCINATION SERVICES...***All Other Profe*  
 23600 **WESTERN UNION...***Money Order Service*  
 23600 **WESTERN UNION...***Financial Transaction*

95 total records. *Part 1 of 2*

24551 ACM CORP...VOLUNTARY HEALTH ORGAN  
 24551 ADVANCED CARE PHARMACY...PHARMACI  
 24551 BETTER HEALTH & WELLNESS...EXERCI  
 24551 DARCY GREENE M A LMFT...NONCLASSI  
 24551 DEBT SETTLE SUPPORT...OTHER PERSO  
 24551 EFFECTIVE REAL ESTATE SVC...OFFIC  
 24551 EXECU-PHONE INC...RADIO, TV & OTH  
 24551 EXECUTIVE ESCROW CO...TRUST, FIDU  
 24551 EXTEND A HAND INC...FEDERAL GOVER  
 24551 EXTEND A HAND INC...OTHER INDIVID  
 24551 FIL-AM INTL SVC...ALL OTHER PROFE  
 24551 GARDNER, AARON...APPRAISERS  
 24551 GARDNER, AARON...OFFICES OF REAL  
 24551 GREAT EXPECTATIONS...TRAVEL AGENC  
 24551 LAKE CENTER CHIROPRACTIC...OFFICE  
 24551 MAGENTA COMPUTER...COMPUTER SYSTE  
 24551 MITCHELL OWENS ASSOC...OFFICES O  
 24551 MOBILITY PHYSICAL THERAPY...OFFIC  
 24551 MOBILITY PHYSICAL THERAPY...PHYSI  
 24551 NEUBAUER, SCOTT DC...OFFICES OF C  
 24551 OMEGA MAGNUS...COMPUTER & OFFICE  
 24551 ORANGE COUNTY PSYCHOLOGICAL...OFF  
 24551 PACIFIC HOME HEALTH SVC...HOME HE  
 24551 PERMANENT HOME PRODUCTS INC...OTH  
 24551 PINNACLE GROUP...INSURANCE AGENCI  
 24551 PREMIER APPRAISAL MANAGEMENT...OF  
 24551 PREMIER APPRAISAL MANAGEMENT...RE  
 24551 STUDIO THREE SIXTY...MARKETING CO  
 24551 TAX SETTLEMENT CTR...TAX PREPARAT  
 24551 THOMSON-PROMETRIC...NONCLASSIFIED  
 24551 UTILITY SPECIALISTS...ENGINEERING  
 24551 WHITE HSE PROPERTY MGMT...OFFICES  
 24551 WORLD EYE CAM...FEDERAL GOVERNMEN  
 24551 WORLD EYE CAM...SECURITY CONTROL  
 24551 WORLD EYE CAM...SECURITY SYSTEMS  
 24551 WORLD EYE CAM...OPTOMETRISTS OD  
 24551 ZACHARIAH, SUSAN MD...OFFICES OF  
 24552 KLEIN ELECTRIC...ELECTRICAL CONTR  
 24552 US POST OFFICE...POSTAL SVC  
 24601 ALISO BAKERY...RETAIL BAKERIES  
 24601 ATM...COMMERCIAL BANKING<  
 24601 BELL TOWER FLORIST GIFTS...FLORI  
 24601 BELL TOWER FLORIST & GIFTS...FLOR  
 24601 BELL TOWER FLORIST & GIFTS...FEDE  
 24601 BELL TOWER FLORIST & GIFTS...GIFT  
 24601 CASH MY CHECK...FINANCIAL TRANSAC  
 24601 CASH MY CHECK...LOANS  
 24601 EFREN'S BAKERY...RETAIL BAKERIES<  
 24601 HAIR CLIPS...BEAUTY SALONS  
 24601 IMPRESSIONS BEAUTY SUPL SLN...BE  
 24601 MANILA FOOD MART...FOOD MARKETS  
 24601 MANILA FOOD MART...FULL-SERVICE R  
 24601 MINT SPA...FITNESS & RECREATIONAL

*Part 2 of 2*

24601 MONTESSORI CHILDREN'S SCHOOL...Element  
 24601 MONTESSORI CHILDREN'S SCHOOL...Schools  
 24601 MONTESSORI CHILDREN'S SCHOOL...Child C  
 24601 O'REILLY AUTO PARTS...Automotive Parts  
 24601 O'REILLY AUTO PARTS...Automobile Parts  
 24601 O'REILLY AUTO PARTS...Batteries-storag  
 24601 O'REILLY AUTO PARTS...Engines-rebuildi  
 24601 PAYLESS CARPET FLOORS...Floor Coverin  
 24601 RN HAIR NAILS SALON...Beauty Salons  
 24601 RN HAIR & NAILS SALON...Manicuring  
 24601 RN HAIR & NAILS SALON...Barbers  
 24601 RN HAIR & NAILS SALON...Skin Treatment  
 24601 SHAGGY 2 CHIC PET SPA...Pet Care, Exce  
 24601 SHINE GROUP ENTERPRISES INC...Nurses &  
 24601 SHINE MEDICAL UNIFORM SUPLS...Home He  
 24601 SHINE MEDICAL UNIFORM & SUPLS...Unifor  
 24601 SONI'S BROW BEAUTY...Beauty Salons  
 24601 TACOS ENSENADA...Caterers  
 24601 TACOS ENSENADA...Full-service Restaura  
 24601 TEXAS BARBEQUE GRILL...Full-service R  
 24602 ACE A MONTESSORI PRESCHOOL...Child Day  
 24602 BABY NUTRITIONAL CTR...Food, Health, S  
 24602 EL PROGRESO ARTICULOS PARA EL...Full-s  
 24602 EL PROGRESO MEXICAN RESTAURANT...Full-  
 24602 EL PROGRESO MEXICAN RESTAURANT...House  
 24602 FIASTA SARBICAS...Financial Transactio  
 24602 GHOST WOLF TATTOO...All Other Personal  
 24602 HIERRO'S MARKET...Supermarkets & Other  
 24602 HOMELAND INSURANCE AUTO SVC...Insuran  
 24602 JIM'S SHOE REPAIR...Footwear & Leather  
 24602 LATINO'S BEAUTY SALON...Beauty Salons<  
 24602 PAL'S VACUUM SEWING CTR...Household Ap  
 24602 PAL'S VACUUM SEWING CTR...Vacuum Clean  
 24602 PAL'S VACUUM SEWING CTR...Sewing Machi  
 24602 PAL'S VACUUM SEWING CTR...Vacuum Clean  
 24602 PINEAPPLE HILL INC...Drinking Places,  
 24602 Q Z DAY SPA...Beauty Salons  
 24602 RAMIREZ, JESUS DDS...Dental Hygienists  
 24602 RAMIREZ, JESUS DDS...Offices Of Dentis  
 24602 TOP NAILWRAP...Beauty Salons  
 24602 UP IN SMOKE...Tobacco Stores  
 24602 VORA, ASHA D DDS...Offices Of Dentists



88 total records. *Part 1 of 2*

23505 MINATO SUSHI...FULL-SERVICE RESTA  
 23507 OMARS EXOTIC BIRDS...PET & PET SU  
 23512 BIG SHOTS BILLIARD BAR & GRILL...  
 23522 AFFORDABLE CARE GIVERS...HOME HEA  
 23522 EL TORO GOURMET MEATS SEAFOOD...M  
 23522 ENJOY TRAVEL...TRAVEL AGENCIES  
 23522 MOMMYWORKS INC...EMPLOYMENT PLACE  
 23532 BEL AGE NAILS & SPA...BEAUTY SALO  
 23532 BOBBY DS BAR & GRILL...DRINKING P  
 23532 BRITTANY DURLACH HAIR STYLIST...B  
 23532 CAFE MATINEE...FULL-SERVICE RESTA  
 23532 EL TORO INKHOUSE...PRINTING INK M  
 23532 HAIR BY JAMIE CANNON...BEAUTY SAL  
 23532 HAIR BY TRINITY...BEAUTY SALONS  
 23532 HAIR MECHANICS...STORE RETAILERS  
 23532 JEFFREY MICHAELS BEAUTY SPLS...CL  
 23532 JEFFREY MICHAELS SALON...BEAUTY S  
 23532 LINDSEY AT JEFFREY MICHAELS...BEA  
 23532 MALYS INC...COSMETIC & BEAUTY SUP  
 23532 MELINDA RICCI HAIRSTYLING...BEAUT  
 23532 MICHAEL MAX SALON...BEAUTY SALONS  
 23532 NINAS INDIAN GROCERIES...SUPERMAR  
 23532 ON-SITE SPECIALISTS...DRYCLEANING  
 23532 ORANGE TREE CHRISTIAN...CHILD DAY  
 23532 SPARKLEAN LAUNDRY...DRYCLEANING &  
 23532 TEEN DRIVING ACADEMY...AUTOMOBILE  
 23532 THAI, JEANETTE DDS...OFFICES OF D  
 23552 ASIA BUFFET...FULL-SERVICE RESTAU  
 23562 CITIBANK...COMMERCIAL BANKING  
 23572 PANDA EXPRESS...FULL-SERVICE REST  
 23591 ACM CORP...VOLUNTARY HEALTH ORGAN  
 23591 APPLIED INTERVENTIONS...OFFICES O  
 23591 BEACH CITIES COUNSELING...OTHER I  
 23591 BRANSON, MARTHA L A CPA...OFFICES  
 23591 BRIGHTSTAR HEALTHCARE...MISC AMBU  
 23591 CAL USA DEVELOPMENTS INC...PREFAB  
 23591 CARELINE HOME CARE SVC...HOME HEA  
 23591 CENTER FOR CREATIVE TRANSITION...  
 23591 CVC REAL ESTATE GROUP...OFFICES O  
 23591 DALY-SWARTZ PUBLIC RELATIONS...PU  
 23591 DEDICATED RETAIL SVC...ALL OTHER  
 23591 DIMENSION PRINTER REPAIR...COMPUT  
 23591 DOLPHIN BUSINESS CTR...OFFICES OF  
 23591 DREXELIUS, RICHARD J MD...OFFICES  
 23591 FARMERS INSURANCE GROUP...INSURAN  
 23591 GALAXY CONTROL SYSTEMS...  
 23591 GOLDENSTATE LENDING INC...REAL ES  
 23591 HANNA, JAN...OTHER INDIVIDUAL & F  
 23591 HEALING ODYSSEY...RESEARCH & DEVE  
 23591 INTERACT BUSINESS GROUP...PROCESS  
 23591 IQUBZ...  
 23591 ISBS GROUP...OTHER HEAVY CONSTRUC  
 23591 JOHNSON DIVERSEY INC...POLISH & O

*Part 2 of 2*

23591 KMR PROPERTY MGMT...Offices Of Real Es  
 23591 LEE DUBIN ART...Independent Artists, W  
 23591 MARINA DENTAL...Offices Of Dentists  
 23591 MT ZONE...Other Sound Recording Indust  
 23591 NATIONAL DEFAULT SERVICING...<  
 23591 NOBLES INSURANCE...Insurance Agencies  
 23591 ORANGE COUNTY ARC...Offices Of Lawyers  
 23591 PAKAGE MORTGAGE...Real Estate Credit  
 23591 PALMER LANDSCAPE INSTALLATION...Landsc  
 23591 PLEXUS FINANCIAL GROUP INC...Investmen  
 23591 PREFERRED AIR SVC CO...Plumbing & Hvac  
 23591 PRO SEARCH INTL...Employment Placement  
 23591 R DE LA PENNA & ASSOC...Offices Of Lawy  
 23591 SEA-SHELL MOBILE HOMES...Manufactured,  
 23591 SHINE GROUP ENTERPRISES INC...Offices  
 23591 SIMI REAL ESTATE...Offices Of Real Est  
 23591 SIMPLY REALTY INC...Offices Of Real Es  
 23591 SOLIMAN, AMANI DDS...Offices Of Dentis  
 23591 SOLIMAN, ASHRAF DDS...Offices Of Denti  
 23591 SOUTHERN CALIFORNIA ADVANCED...  
 23591 SUN & MOON TUTORING...Exam Preparation  
 23591 TECHNICAL CAREER INSTITUTE...Offices O  
 23591 TOTH, CAROLYN...Misc Ambulatory Health  
 23591 WELLS OPTOMETRY...Offices Of Optometri  
 23600 CASUAL MALE XL...Men's Clothing Stores  
 23600 EL TORO MAIL BOXES...All Other Persona  
 23600 EXPERT COPY SVC...Office Equip Merchan  
 23600 FINEST NAILS...Nail Salons  
 23600 HAIR CUTTERS...Beauty Salons  
 23600 JAY RODGERS MOBILE NOTARY...All Other  
 23600 JJS TECHNOLOGIES...Commercial Machiner  
 23600 LEE REAL ESTATE CO...Offices Of Real E  
 23600 PEBBLE CREEK PONDS...Site Preparation  
 23600 RADMAN THE HANDYMAN...Residential Remo  
 23600 WESTERN UNION...Financial Transaction

24551 ADVANTAGE PHYSICAL THERAPY...Offices O  
 24551 ALISO TAX...Tax Preparation Svcs  
 24551 BUTLER COMMUNICATIONS...Electrical Con  
 24551 CARE 4 LIFE COMPANION SVC...Home Healt  
 24551 CORE CHIROPRACTIC...Offices Of Chiropr  
 24551 DOVE CEILINGS NORTH...Drywall & Insula  
 24551 EXECU-PHONE INC...All Other Telecommun  
 24551 EXECUTIVE ESCROW CO...Trust, Fiduciary  
 24551 EXTEND A HAND INC...Other Individual &  
 24551 FREE RANGE TECHNOLOGIES INC...Computer  
 24551 GARDNER, AARON...Offices Of Real Estat  
 24551 INSIGHT COUNSELING...Offices Of Mental  
 24551 JOHNSON CHIROPRACTIC...Offices Of Chir  
 24551 MAGENTA COMPUTER...Computer & Software  
 24551 MITCHELL OWENS & ASSOC...Offices Of Re  
 24551 OYZON INSURANCE...Insurance Agencies &  
 24551 PENDUM INC...Investment Advice  
 24551 PORTUGAL, GILBERT M DC...Offices Of Ch  
 24551 R P MAGIC COURAGE...All Other Home Fur  
 24551 SMITH, JASON A...Offices Of Lawyers  
 24551 SOUTH COUNTY PSYCHO THERAPY...Offices  
 24551 TAX SETTLEMENT CTR...Tax Preparation S  
 24551 THOMSON-PROMETRIC...  
 24551 WORLD EYE CAM...Offices Of Optometrist  
 24551 Z ENGINEERING...Engineering Svcs  
 24551 ZACHARIAH, SUSAN MD...Offices Of Physi  
 24552 US POST OFFICE...Postal Svc  
 24601 BELL TOWER FLORIST & GIFTS...Florists<  
 24601 CASH MY CHECK...Financial Transaction  
 24601 CHECK IN CASH OUT...Financial Transact  
 24601 EFRENS BAKERY...Retail Bakeries  
 24601 HAIR CLIPS...Beauty Salons  
 24601 KRAGEN AUTO PARTS...Automotive Parts &  
 24601 MANILA FOOD MART...Full-service Restau  
 24601 MARKETA Y CARNICERIA LATINA...Meat Mar  
 24601 OMALLEYS FLORIST...Florists  
 24601 PALESS CARPET & FLOORING...Flooring Co  
 24601 PAYLESS CARPET & FLOORS...Floor Coveri  
 24601 TACOS ENSENADA...Full-service Restaura  
 24601 TEXAS BARBEQUE & GRILL...Full-service  
 24601 TIENDA LATINA...  
 24602 CHILDS KINGDOM PRESCHOOL...Child Day C  
 24602 CLEAR TECHNOLOGIES...  
 24602 DE LA CUESTA, REG...Offices Of Real Es  
 24602 DISTRIBUIDOR INDEPENDIENTE...Food, Hea  
 24602 EL PROGRESO...All Other Home Furnishi  
 24602 FIESTA AUTO INSURANCE CTR...Insurance  
 24602 HIERRO MARKET...Supermarkets & Other G  
 24602 JIMS SHOE REPAIR...Footwear & Leather  
 24602 LATINOS BEAUTY SALON...Beauty Salons  
 24602 MIRAGE DAY SPA...Other Personal Care S  
 24602 NAILWRAP & HAIR...Beauty Salons  
 24602 NUNO FIESTA GRILL...Full-service Resta  
 24602 OCIC...  
 24602 PALS VACUUM SEWING CTR...Household App  
 24602 PRO CARE...Carpet & Upholstery Cleanin  
 24602 REAL WIRELESS...Wireless Telecomm Carr  
 24602 TOP NAILWRAP...Nail Salons  
 24602 VORA, ASHA D DDS...Offices Of Dentists

23505 MINATO SUSHI...Steak And Barbecue Rest  
 23507 MATTRESS GALLERY...  
 23512 BIG SHOTS BILLIARD BAR & GRILL...Ridin  
 23522 4 M JEWELER...Time Piece Repair Servic  
 23522 AFFORDABLE CARE...  
 23522 EL TORO GOURMET MEATS SEAFOOD...  
 23522 VEHICLE REGISTRATION & TAX SVC...  
 23532 BARBARA CHARETTE MANICURING...Beauty S  
 23532 CAFE MATINEE...Steak And Barbecue Rest  
 23532 CALIFORNIA HAIRWEST...  
 23532 CHILD'S KINGDOM PRESCHOOL...  
 23532 COAST FAMILY CHIROPRACTIC CTR...  
 23532 D N TINKER JEWELERS...  
 23532 DIGITOGRAPH STUDIO...  
 23532 GLG FREIGHT...  
 23532 GUY'S & GAL'S SUN TANNING...  
 23532 HAIR MECHANICS...  
 23532 HIMES ROBERT J DC...  
 23532 JEFFREY MICHAEL SALON...  
 23532 LA COCINA DE RICARDO...Steak And Barbe  
 23532 NINA'S INDIAN GROCERIES...  
 23532 PRIME TIME STEAK & SPORTS...Steak And  
 23532 SHEETS TODD DC...  
 23532 TEEN DRIVING ACADEMY...Educational Ser  
 23532 VET CHARITIES OF ORANGE COUNTY...  
 23532 WHALING THOMAS ATTY...  
 23535 INK HOUSE...  
 23542 NICKEL NICKEL FIVE CENT GAMES...  
 23552 PUB...Bars And Lounges  
 23582 PANDA PANDA...Steak And Barbecue Resta  
 23582 QUIZNO'S CLASSIC SUBS...Steak And Barb  
 23591 BASURTO & ASSOC...Business Services, N  
 23591 BILLING MASTERS...  
 23591 BRUGGEMAN MARY A PHD...  
 23591 CALIFORNIA ENGLISH LANGUAGE...Colleges  
 23591 CENTER FOR CREATIVE...Physical Therapi  
 23591 DATA WORKS AGENCY...Computer Processin  
 23591 DEDICATED RETAIL SVC...Business Servic  
 23591 DOC 4 GOLF...  
 23591 DOLPHIN BUSINESS CTR...Property Operat  
 23591 DRACKETT PROFESSIONALS...Drycleaning P  
 23591 FARMERS INSURANCE GROUP...  
 23591 GARANDEL COMERCIAL MGMT INC...  
 23591 MARINA DENTAL...Specialized Dental Pra  
 23591 MONEYLINE LENDING...  
 23591 ORICHALCUM...Computer Software Develop  
 23591 PETRO BROTHERS CONSTRUCTION...  
 23591 R J MAGUIRE & CO...  
 23591 RADIANT HEALTH MASSAGE THERAPY...  
 23591 SEA-SHELL MOBILE HOMES...  
 23591 SHAH NAYANA MD...Internal Medicine Pra  
 23591 SOLIMAN AMANI DDS...Specialized Dental  
 23591 SOLIMAN ASHRAF DDS...Specialized Denta  
 23591 THOMAS M BOROIAN INSURANCE...<  
 23591 TOTAL SPORTS ART...  
 23591 WINGS OF A DOVE HEALING CTR...



24551 BANTEK WEST INC...  
 24551 COMPUTER EDUCATION INSTITUTE...  
 24551 DOVE CEILINGS...*Acoustical And Insulat*  
 24551 ELIVE INC...*Computer Software Develop<*  
 24551 EXECUTIVE ESCROW CO...  
 24551 GARDNER AARON...  
 24551 IBC SPACE TRACK...*Computer Peripheral*  
 24551 INTERNET COMMUNICATIONS TECH...  
 24551 MITCHELL OWENS & ASSOC...  
 24551 PHONE DIRECTORIES INC...*Periodicals, P*  
 24551 PRIME YIELD...*Security Brokers And Dea*  
 24551 RATE QUOTE...  
 24551 SOUTH COUNTRY PSYCHOTHERAPY...  
 24552 US POST OFFICE...  
 24601 ABEL'S BAKERY...  
 24601 AL MADANI MARKET...  
 24601 BELL TOWER FLORIST...  
 24601 HONEY BAKED HAM CO...*Pizza Restaurants*  
 24601 KRAGEN AUTO PARTS...  
 24601 MANILA FOOD MART...*Steak And Barbecue*  
 24601 MC CULLOUGH MINISTRIES...  
 24601 PAYLESS CARPET & FLOORS...  
 24601 TACOS ENSENADA...*Steak And Barbecue Re*  
 24602 ASHA D VORA DDS...*Specialized Dental P*  
 24602 CIRCLE OF CHILDREN DEVELOPMENT...  
 24602 CRUZ VIDEO...*Records, Audio Discs, And*  
 24602 FINE JEWELRY...  
 24602 HIERRO MARKET...  
 24602 HIERRO'S TAQUERIA...*Steak And Barbecue*  
 24602 IGLESIA NUEVA OBRA EN CRISTO...  
 24602 JANN'S CARING HANDS...  
 24602 JIM'S SHOE REPAIR...  
 24602 MEDICINE SHOPPE PHARMACY...  
 24602 NAILWRAP & HAIR...  
 24602 PAL'S VACUUM SEWING CTR...*Miscellaneous*  
 24602 PRO CARE...  
 24602 PSYCHIC READINGS...  
 24602 THAI CAFE...*Steak And Barbecue Restaur*  
 24602 TIPS COMMUNITY DIRECTOR...  
 24602 TOP NAILWRAP...*Beauty Schools<*  
 24602 VORA ASHA DDS...*Specialized Dental Pra*

20562 XXXX 00  
 22546 KWIKEY ' S LOCK & KEY 949 - 770 - 7456 9  
 23532 TINKER ' S ON 949 - 462 - 3955 JEWELERS  
 23532 TOBACCO BARN PPE 949 - 830 - 7110 SH  
 23532 VIDEOTRON 949 - 458 - 3877 0  
 23532 WHALING THOMAS M 949 - 472 - 1010 + 9 AT...  
 23532 WORTH CORP 949 - 951 - 9564  
 23542 NICKEL NICKEL FIVE 949 - 897 - 1020 + 9 CE...  
 23552 DENNY ' S RESTAURANT 949 - 583 - 1484  
 23552 PUB THE 949 - 206 - 0744 + 9  
 23572 WENDYS 949 - 830 - 0205  
 23580 XXXX  
 23582 PANDA PANDA 949 - 588 - 3280 + 9  
 23591 A STEP BEYOND 949 - 951 - 9230  
 23591 AMER COAUTION FATHERS & CHILD 949 - 8...  
 23591 ANGELO RETAIL MERCHANDISING CO 949 -...  
 23591 ASSOCTO ELECTROLOGY 949 - 586 - 6181  
 23591 BOROIAN THOMAS M INS AGENCY 949 - 859...  
 23591 BUILDING  
 23591 CALVARY COMMUNITY CHURCH 949 - 768 - ...  
 23591 CORNELIUS R SCOTT ATTY AT LAW 949 - 38...  
 23591 CORPORATE BENEFIT PLANNERS INC 949 - ...  
 23591 CROCKER TIM HOME OFFICE 949 - 855 - 604...  
 23591 DATACUBE IMAGING 949 - 855 - 6585 1  
 23591 ENGEL MONICA RGSTRD ELCTRL GST 949 -...  
 23591 EXCEL APPLIANCES 949 - 807 - 5410  
 23591 FARMERS INS 949 - 855 - 05757  
 23591 GALAXY CONTROL SYSTEMS 949 - 380 - 0858  
 23591 GORDON MELODY MA CCH 949 - 770 - 2430 ...  
 23591 GRUENBECK THOMAS ATTY 949 - 380 - 7101 +  
 23591 JOHNSON JAMES D ATTY 949 - 380 - 7791  
 23591 MAGUIRE R J & CO 949 - 768 - 3839  
 23591 MAGUIRE ROBT JEA 949 - 768 - 3839  
 23591 MARTIN PEGGY FLORES 949 - 586 - 6181  
 23591 MERCHANT TODD ATTY AT LAW 949 - 380 - ...  
 23591 MONEYLINE LENDING COMPANY INC 949 - 5...  
 23591 NOBLES SHAWN N 949 - 959 - 99237  
 23591 PETRO BROTHERS CONSTRUCTION 949 - 7...  
 23591 RADIANT HEALTH MASSAGE THERAPY 949 ...  
 23591 REYNOLDS DIANE 949 - 829 - 0359 + 9  
 23591 SEA SHELL MOBILE HM 949 - 607 - 1212  
 23591 SOUTHRN CA CREDITOR 949 - 455 - 1273  
 23591 STAFFON G W DOS 949 - 770 - 5266  
 23591 STEDMAN MEDICAL 949 - 897 - 9083 + 9  
 23591 T & K DEVELOPMENT 949 - 45 - 12997  
 23591 THE TAX COMPANY 949 - 206 - 1612 + 9  
 23591 WESTVIEW VOCATIONAL SERVICES 949 - 9...  
 23600 XXXX  
 27601 EL POLLO LOCO 949 - 458 - 99996

24601 AMADAN MARET  
 24601 BELL TOWER FLORSTOFTS  
 24601 BUILDING  
 24601 CAMERA CARE  
 24601 CAMERA KARE  
 24601 CHILDREN ' S SCHOOLHOUSE  
 24601 CONSIGNMENT PLUS  
 24601 CROWN ONE HOUR CLEANERS  
 24601 HONEYBAKED HAM CO  
 24601 KRAGEN AUTO PARTS  
 24601 NEW IMAGE HAIR SALN  
 24601 O'MALLEY'S FLORIST  
 24601 SUPERCUTS  
 24601 TACOS ENSENADA  
 24602 ASHA VORA DOS  
 24602 BUILDING M  
 24602 CATHOLIC GIFT SHOP  
 24602 CHILDREN'S DISCOVERY CENTER  
 24602 DAVAL CONSULTANTS H9 - 454 - 1781 +  
 24602 DISCOUNT SPOATS NUTRITION  
 24602 FINE JEWELRY  
 24602 FRAME N LENS EYEGLS  
 24602 KATL MORTGAGE FUND  
 24602 KILTER TERMITE CONTROL  
 24602 LIU FRANK C DDS  
 24602 MEDICINE SHOPPE 049 - 630 - 8500  
 24602 MINUTEMAN PRESS  
 24602 NAJL WRAP & HAIR  
 24602 NERRO MARKET  
 24602 NODGEPOOGE BOOKS FOR CHILDREN  
 24602 PAL'S  
 24602 PROCARE  
 24602 PSYCHIC READINGS  
 24602 SION EXPRESSION  
 24602 STERLING ESTATE SALES  
 24602 STERLING STREET MALL  
 24602 TMM PALACE CUISINE  
 24602 TOP NAIL WRAP  
 24602 UNIQUELY YOU  
 24602 YORA ASHA DDS  
 24672 ORG COLBRY BRANCH 949 - 855 - 8173  
 24881 BUILDING  
 24951 ADVANCED ATM  
 24951 ANCHOR PUBLICATIONS NA  
 24951 CAPITOL MODULAR INC  
 24951 CARONEA MAON N  
 24951 COMPUTER EDUCATION INSTITUTE  
 24951 COMPUTER EDUCATION INSTITUTE -  
 24951 EXECUTIVE ESCRON COMPANY  
 24951 FIRST BENEFIT INSURANCE  
 24951 MERITAGE CONSTRUCTION  
 24951 NORTH AMERICAN FINANCIAL ADVSA 1  
 24951 OWEN MITCHELL & ASSOC  
 24951 PRIME VIELD  
 24951 RATE QUOTE  
 24951 URBANTECH CORPORATION  
 24951 URBANTEON CORPORATON  
 24972 ORG CO LBRY TOO 949 - 855 - 3729 +

88 total records. Part 1 of 2

23501 SIZZLER RESTAURANTS 768 - 7340  
 23505 BOOMIS TERIYAKI BWL 472 - 4547 + 4  
 23507 SILK PLANTS WRHS 457 - 9060 2  
 23512 BIG SHOTS BILLRD BR 830 - 2255 + 4  
 23515 BAKERS SQUARE REST 770 - 8131 0  
 23522 EL TORO MEATS FISH 855 - 0215 2  
 23532 A A TOBACCO BARN 830 - 7110 + 4  
 23532 ALGAE ALS AQUARIUM 458 - 9724 7  
 23532 BECKER SURF & SPORT 458 - 5984 9  
 23532 BUILDING  
 23532 CA HAIRWEST 472 - 0168 + 4  
 23532 CHARETTE BARBARA 768 - 06693  
 23532 CHRISTIAN WONTESRI 951 - 8837 - 4  
 23532 COAST FMLY CHRPRCTC 380 - 7800 6  
 23532 DIMITRIS RESTAURANT 768 - 2918 + 4  
 23532 DOUMANI J BTY SALON 586 - 84507  
 23532 DOUMANI WENS ORTRS 581 - 0790 0  
 23532 EGGHEAD DISC SFTWRE 581 - 08629  
 23532 ERICS FINE JEWELRY 770 - 2796  
 23532 ESTRADA MIKE D 380 - 48852  
 23532 EUROPEAN TAILORS 855 - 4215  
 23532 GUYSA GALS TANNING 583 - 0373 8  
 23532 HAIR DESIGN CAROL 830 - 79000  
 23532 HAIR NETWORK ETC 380 - 8110 9  
 23532 JACQUES DOUMANI BTY 586 - 84507  
 23532 LAKEFOREST CUPTA CT 837 - 4284 + 4  
 23532 LUTHRN THRIFT SHP 3 768 - 0405 51  
 23532 MEL FOSTERS HAIR 581 - 0790 + 4  
 23532 MENES GREEK FOOD 830 - 3228 61  
 23532 MONTSSRI INNOVTN 951 - 8837 + 4  
 23532 OAMI JAPANESE REST 770 - 6147  
 23532 ORANGE TREE CLNRS 951 - 4900  
 23532 ORANGETREE PLZ BRBR 770 - 2386  
 23532 PROJECT FLASHLIGHT 588 - 7898 + 4 |  
 23532 RAMOS A PRO ACNTNCY 837 - 8220  
 23532 RAMOS GEORGE O 837 - 8220  
 23532 REPUBLIC BOSNIA CTR 707 - 1115 + 4  
 23532 SCHLINGMAN J W OC 380 - 78007  
 23532 TOBACCO BARN PPE SH 8J0 - 7110 + 4  
 23532 VIDEOTRON 458 - 3877 01  
 23532 VT COMPUTER 472 - 5642 2  
 23542 C & R CLOTHIERS 951 - 8333  
 23546 COAST TO COAST LOCK 770 - 7456 + 4  
 23552 DENNYS RESTAURANT 583 - 1464 9  
 23562 CA FED BK 586 - 0900 + 4  
 23572 WENDYS HAMBURGERS 830 - 02057  
 23580 XXXX  
 23582 XXXX  
 23591 A A A CONTROLLA TAX 768 - 7397  
 23591 A A SOOLBCK BKKPG 768 - 7397  
 23591 A A TEEN DRYG ACOMY 768 - 6666 3  
 23591 ACACIA TRAVEL 770 - 8628 2  
 23591 ALEXIS CORP 587 - 0098 3



Part 2 of 2

23591 ASSOCTO ELECTROLOGY 586 - 6181  
 23591 BEAUTIFUL PERSON 454 - 2856 3  
 23591 BROWN NANCY R TAXES 768 - 2044 0  
 23591 BUILDING  
 23591 CONTROLLER TAX SERV 768 - 7397  
 23591 CONVERSE COMMNCTNS 8J0 - 65723  
 23591 ENGEL MONICA ELCTLG 586 - 6181 7  
 23591 EXECUTIVE CELLULAR 830 - 6572 + 4  
 23591 G T C 454 - 0233 3  
 23591 GLASS DIVISON 380 - 1713 1  
 23591 HYPNOTHERAPY CENTER 770 - 2430 2  
 23591 KELLER PUBLISHING 855 - 0808 3  
 23591 KIM RICHARD J POS 770 - 9955  
 23591 KIM SOO BAIK DDS 770 - 1537  
 23591 KIM SOO BAIK DDS 770 - 9355  
 23591 KRISH CHARI EA 380 - 4328  
 23591 MARTIN PEGGY FLORES 586 - 6181  
 23591 MILTOPE CORP 859 - 9492  
 23591 NU ATUM INC 859 - 0709  
 23591 ORIENTAL MDCL CLNC837 - 9425  
 23591 PARHAM STEVE DC 586 - 2138 3  
 23591 PLAZA JARDIN SUITES 586 - 2400 5  
 23591 PROFSNL ECONOMIC SV 768 - 73978  
 23591 SADDLBCK VLY BKKPG 768 - 7397  
 23591 SEA SHELL MOBILE HM 637 - 1212 3  
 23591 SHAH NAYANA MD 583 - 0975 3  
 23591 SOFT SENCE COMPUTNG 768 - 1113 0  
 23591 SOUTHRN CA CREDITOR 455 - 1223 3  
 23591 STAFFON G W ODS 770 - 5286  
 23591 SUNDOWN PAINTING 458 - 6836 + 4  
 23591 VORA SHOBHNA MD 583 - 0975 + 41  
 23591 WE DELIVER 855 - 6004 + 413  
 23591 WORCESTER CONTROLS 859 - 6960  
 23600 XXXX  
 23601 EL POLLO LOCO 459 - 37

24551 ADANS MRKTG ASC INC 581 - 0220 3  
 24551 ALLIANCE WTRE AMERS 501 - 0317 3  
 24551 AMER DATA RESOURCES 588 - 0314 3 |  
 24551 ANGELO RETAL WOSE 768 - 6298 OL  
 24551 ARMSTRONG INSURANCE 380 - 1333 0  
 24551 BOROLAN TWINS AG 059 - 9958 0  
 24551 BROWN BILL FRUR INS 951 - 0186 3  
 24551 BUILDING UIU 707 - 324  
 24551 CHAMPION CREDIT 454 - 07073  
 24551 CORNELIUS RS ATTY 380 - 7791 3  
 24551 EXECUTIVE ESCROW CO 586 - 5070  
 24551 FARMERS INS 455 - 0575 0  
 24551 GAHN HOLLY DR 859 - 96963  
 24551 GAST RICHAROLASCT \$ 472 - 11309  
 24551 JOHNSON JAMES ATTY 380 - 7791 3  
 24551 L00 PAUL ASSOCIATES 380 - 3987 0  
 24551 MAGUIRE ROBERT JEA 788 - 309  
 24551 MAGURER JACO 764 - 3039  
 24551 MISKE I FARVENS INS 454 - 0044 3  
 24551 NOBLES SHAWN N  
 24551 NORTH ANER SOFTWARE 457 - 99374 0  
 24551 SIL VERBERG M EA CF 456 - 00554  
 24551 WORNING STAR CHRSTN 70 - 41093  
 24552 US POSTAL SERVICE 27 - 1220  
 24601 AL MADAN VARKET 107 - 5403 + 4  
 24601 BEL TOWER FLORIST 768 - 6789  
 24601 BUILDING  
 24601 CAMERA CARE \$ \$ 1 - 1100  
 24601 CAMERA CARE 951 - 4100  
 24601 CIDS KINGDON PRESC 380 - 02527  
 24601 CONSIGNMENT PLUS \$ 81 - 3183  
 24601 CROWN ONE HR CLNAS 355 - 3148  
 24601 EL TORO TAILOR NC 951 - 0919  
 24601 HONEY BAKED HAN CO 07 - 1622  
 24601 NEW MAGE HAIR SALN 859 - 7580  
 24601 OS VANS SPRTING GOOD 770 - 2759  
 24601 SUPERCUTS 586 - 5110  
 24601 TACOS SAN MARCOS 183 - 0028 3  
 24602 BELL TOWER BROA SHP 899 - 46802  
 24602 BUILDING  
 24602 CATHOUC GET SHOP 770 - 9825  
 24602 ENTENMANNS BAKERY 170 - 2004  
 24602 FALES STEVEN 150 - 403 - 4  
 24602 FRANE N LENS FYTAS 1  
 24602 FRANK C DOS 770 - 0966  
 24602 KUSH FOOO1GFTS 454 - 3955 7  
 24602 MEDICINE SHOPPE 30 - 45008  
 24602 MINUTEVAN PRESS 786 - OS  
 24602 PSYQUC READINGS 472 - 08089  
 24602 QILDROXS OSCVRY CT 380 - 7110 9  
 24602 ROUND TABLE PZZA 380 - 37626  
 24602 THAI PALACE CUISINE 899 - 98891  
 24602 TOP NAILS 991 - 10140  
 24602 UNOVE Y YOU 854 - 1733 8  
 24602 UNQUE HAIRUNALS 472 - 00 - 4  
 24602 VOOR WAR DOS 770 - 20994

98 total records. *Part 1 of 2*  
 23501 BAKERS SQUARE 770 - 3131 1  
 23501 SZER RESTAURANTS 7 7340  
 23505 XXXX  
 23507 ADLER SHOES  
 23512 CA YOUTH SHOWS  
 23512 EL TORO MEATS  
 23512 EL TORO MEATS  
 23512 RODS FLOWER HOUSE  
 23515 XXXX  
 23522 PROOFSNL RESUME & WRTG  
 23522 TIPS TO TRAVEL  
 23532 ALGAE ALS AQUARIUM  
 23532 BECKER SURF & SPORT  
 23532 BUILDING  
 23532 C A HAIRWEST  
 23532 COAST FMLY CJRPRCTC  
 23532 CONCA DORO  
 23532 DOUMANI J BTY SALON  
 23532 EGGNEAD DISC SFTWRE  
 23532 ERICS FINE JEWELRY  
 23532 EUROPEAN TAILONS  
 23532 GUYS&GRLS TANNING  
 23532 HAIR NETWORK ETC  
 23532 INNOVATION MNTSSRI  
 23532 JACOUSES DOUMANI BTY  
 23532 LUTHRN SOCIAL SERV  
 23532 LUTHRN THRIFT SH  
 23532 MEAGANS TICKETS  
 23532 MENES GREEK FOOD  
 23532 MONTESSRI INNOVATN  
 23532 NAVY RECRUITING STA  
 23532 OAIN JAPANESE REST  
 23532 ORANGE THREE CLEANRS  
 23532 ORANGE TREE PLZ BRBR  
 23532 PREFERRED TICKETS  
 23532 RAMOS A PRO ACNTNCY  
 23532 RAMOS GEORGE O  
 23532 REEL VIDEO  
 23532 SCHLNGMAN J W DC  
 23532 TICKETS PREFFERED  
 23532 US AF RECRITNG CNDR  
 23532 US ARMY RERTNG OFC  
 23532 US NAVY MRN RCRTNG  
 23532 US NAVY RCRTNG STA  
 23532 VANBUSKIRK SHIRLEY  
 23542 BONDED ALARM CO  
 23542 C & R CLOTHERS  
 23546 XXXX  
 23552 DENNY'S RESTAURANT  
 23562 COAST SVFS & LDAN ASN  
 23572 WENDY'S HAMBURGERS  
 23580 XXXX  
 23582 TWO WML TRUST AUTH

*Part 2 of 2*  
 23591 ACACIA CT CHRPRCTC  
 23591 AGLE LARRY CPA  
 23591 ASSOCTD ELECTROLOGY  
 23591 BENEFIELD ELANE  
 23591 BOND REALTY  
 23591 BRISENO LANDSCAPE  
 23591 BROWN NANCY R TAXES  
 23591 BUILDING  
 23591 C W S WFO SERVICES  
 23591 CONTROLLER FWCL SVS  
 23591 CRITIKON  
 23591 CRITIKON LA  
 23591 DEKARVER & AGLE CPAS  
 23591 DEKARVER MARTIN CPA  
 23591 ENGEL MONICA ELCTLG 586 - 6181 1  
 23591 EXTEL CORPORATION 855 - 0230 + 9  
 23591 FAMILY DENTAL CARE 770 - 5266 6  
 23591 FENTON FRED C 837 - 7750 8  
 23591 FORD MARKETING CORP 770 - 2165 3  
 23591 GYORKOS BKKPNG & TAX 637 - 7750  
 23591 GYORKOS JOHN W 807 - 7750  
 23591 GYORKOSEFENTON LAW 837 - 7750  
 23591 INTERACTIVE CUPTR 770 - 53324  
 23591 JAMIS ON PBLC ACCTNG 768 - 7397 + 9  
 23591 KAREN K SAL CIDO 768 - 9283 6  
 23591 KIM RICHARD J DDS 770 - 9355  
 23591 KIM SOO BAIK DDS 770 - 9355  
 23591 KOLSON INVESTMENT 837 - 0443 8  
 23591 LINK TEL CONUNCTNS 931 - 60627  
 23591 NELES INC 859 - 2046 + 9  
 23591 OH DR GREGORY 855 - 8000 7  
 23591 PAC CST TRUST DEEDS 768 - 1460  
 23591 PAC SCNTFC CO MOTOR 859 - 45258  
 23591 PERSONAL CARE HLTH 859 - 5881 6  
 23591 PLAZA JARDIN SUITES 586 - 2400 5  
 23591 PROFSNL ECONOMIC SY 768 - 7397 8  
 23591 SADDLBCX VLY BKKPG 768 - 7397  
 23591 SOFT CUPTR CONSLTNG 768 - 7397  
 23591 SOFT SENSE COMPUTNG 855 - 9475 + 9  
 23591 TREIBER H KEITH DOS770 - 5266 3  
 23591 VARTIN P ELCTRL GST 586 - 6181 4  
 23591 VISTA FINANCIAL GRP 380 - 9839 + 9  
 23591 WORCESTER CONTROLS 859 - 69694  
 23600 XXXX  
 23601 EL POLLO LOCO



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24062 BUILDINGS  
24551 ANKER PAC RL EST 770 - 40708  
24551 ANKER PAC RL EST 770 - 8073  
24551 BACK PAIN CNTR THE 581 - 77117  
24551 BOLER THOMAS M 586 61 7  
24551 BUILDING UCUN 583 - 7380 + 9  
24551 CA AUCTION SERVICES 355 - 43409  
24551 CITGO PETROLEUM 31 - 4044 6  
24551 COMMAND SECURITY CO 81 - 9444  
24551 ELECTRONC MONITORING 380 - 4115  
24551 EXECUTIVE ESCROW CO \$ 06 - 5070  
24551 FARBEST CORP ISS - 3381 6  
24551 FORD EQUIPMENT LSNG 456 - 10017  
24551 FORD WOTOR GLSS D 180 - 1713 -  
24551 GAST RICHAROLASCTS 412 - 11309  
24551 GENL NUTRITION OXTA 450 - 27008  
24551 LANNON DENNIS E OC S91 - 7711 8  
24551 MISSION WORTGAGE 031 - 15059  
24551 MONSANTO AGA PROO 770 - 2544 5  
24551 OH NATL LIFE INS 855 - 9021  
24551 PARKER HANK E DC  
24551 PROGASY MOSNG  
24551 SOUTHPOINTR FNCL SV  
24551 SYLVAN LEARNING CTR  
24551 UNIVRSL MORTGAGE  
24552 US POSTAL SERVICE 7 - 12201  
24601 BELL TOWER RORIST 780 - 5783  
24601 BULDING  
24601 CAMERA CARE  
24601 CAMERA CARE  
24601 CASTAWAY CONSIGNMENT 051 31 - - 3486 3100  
24601 CORSIDENT PLUS 91 - 3488  
24601 CROM ONE HOURS 8553144  
24601 DONNA  
24601 EL TORO TALOR INC 951 770 - - 0019 5215 0 4  
24601 HONEYBAKED HAM CO  
24601 KIDS KINGDON INC  
24601 NEW IMAGE HAIR SALN  
24601 OSHMANS SPRTNG GOOD  
24601 SPECTRUM BUSNS CTRS  
24601 SUPERCUTS  
24601 TAMS STATIONERS 10 505110 - 0062  
24601 VINTAGE THRIFT SHOP  
24601 WALLPAPER WORLD  
24602 A A TOBACCO BARN  
24602 ACACIA TRAVEL  
24602 ADVENTURES IN VIDEO  
24602 APPLIED DATAMETRICS  
24602 BELLSONICS INC  
24602 CATHOLIC GIFT SHOP  
24602 CHILDRENS DSCVRY CT  
24602 COMPUNET BUSNS CNTR  
24602 FRAME N LENS EYEGLS

*Part 2 of 2*

24602 FRAME N LENS OPTCL  
24602 GOLDEN LION  
24602 HELP U SELL MISSION  
24602 IVANOVICS E M DOS  
24602 KASH FOOD & GIFTS  
24602 KENS WIDE SHOES  
24602 LIU FRANK C DOS  
24602 MAGUIRE R JACO  
24602 MEDICINE SHOPPE  
24602 MINUTEMAN PRESS  
24602 MUTUAL LENDING SERV  
24602 PETERSON SHERWOOD  
24602 PYSCNIC READINGS  
24602 ROUND TABLE PIZZA  
24602 SADOLACK CHILDRNS CT  
24602 STANDRD COMPUTER  
24602 STARDUST MOTORS  
24602 STEWART CL VDE &ASCTS  
24602 TOBACCO BARN PPE SM  
24602 TOKTO MASSAGE  
24602 TOP NAILS  
24602 WALRATH S M CPA

75 total records. *Part 1 of 2*

23501 SAMBOS  
23501 SIZZLER FAMILY STEAK  
23505 TANGULTRU ELT 000 - 00000  
23507 VERAL SAVINGSIU 170 - 20  
23512 TORO FIS MCT 155 - 0215 + 1  
23515 XXXX  
23532 BONTESSORNOVT 051 - 2007 11  
23532 BUILDING  
23532 CCC  
23532 CONCA DORO  
23532 DO NJEVCUT 70 - 71 . 1  
23532 INNOVATION WONT 051 - 1971  
23532 ITS AS W OO 7 - 4801 0  
23532 MSC NOFU CO 770 - 41011  
23532 NATURAL MEASURES T10 - 12 - 11  
23532 ORANGETOP 770 - 2005 + 1  
23532 PARC MOL SER 051 - 8771 0  
23532 QEDRO DEPOT 081 - 24 0  
23532 QILDRENS MATTUNG 70 - 4801 0  
23532 SMALL WORLD HAIR 768 - 8901 0  
23532 SWEET KIDS 863 - 1180 + 1  
23532 TACKLE SHOP THE 951 - 8674 + 1  
23532 THE TACKLE SHOP 051 - 3874 + 1  
23532 TOUCH OF EUROPE INC 051 - 5864 + 1  
23532 TSUKASA RESTAURANT 051 - 9830 + 1  
23532 TSUKASA RESTAURANT 170 - 8147 + 1  
23532 UTTY LOVELY GIFTS A55 - 0156 1  
23532 WAZEE WATAT DACN 01 - 0300 + 1  
23532 WOWA NC 155 - 013 1  
23532 ZUYERS GUY ELT 951 - 2801 + 11  
23542 C & R CLOTHIERS ELT 031 - 8333 0  
23552 ELMERS RESTAURANT 951 - 5744 + 1  
23562 COAST FOR SVASELN 770 - 8006 0  
23572 GOLDEN BUN THE 800 - 9111 0  
23572 JOI AXE  
23580 XXXX  
23582 XXXX  
23591 ALL MORTGAGE SERV 586 - 6111 0  
23591 BLUE CARPET MBL MMS 170 - 4300  
23591 BRANSON ESCHOW CO 191 - 8100 9 |  
23591 BUILDING  
23591 CITICORP SERVICES 789 - 5153 + 1  
23591 DENNG KARTIN 951 - 8213 01  
23591 DEXUARVER MARTIN L 951 - 8082 + 1  
23591 DON ROBERTO 596 - 92000  
23591 DORNEY GENE E 051 - 799 0 1  
23591 ENCORE PERSONNEL 770 - 5321 + 11  
23591 EQUITABLE UFE AGCY 770 - 8211 9  
23591 FLORES PEGGY REGTR 586 - 8181 + 1  
23591 FOREWOST MCKESSON 030 - 6750 0  
23591 HABIB ALIASSOCIATES 855 - 1233 + 1  
23591 HABIB ALLASSOCIATES 8 . 55 - 1063 + 1 |  
23591 INSTITUTE CRV GRWTH855 - 4332 + 1

*Part 2 of 2*

23591 IRVINE VIEJO INS 7 70 - 4438 0  
23591 KIM SOO BAIK DOS 770 - 8055 9  
23591 KRATER GERALD M DOS 770 - 5266 0  
23591 M D ENTERPRISES 951 - 6213 0  
23591 MIEWALD ROSE REOST 586 - 6181 + 1  
23591 MILLER W M ASSOC 770 - 1140 + 1  
23591 MORGAN FNCLINS SV 770 - 6581 0  
23591 MUCKS LANDING INC 051 - 8820 + 1 |  
23591 NORTON CO PLSTC SYN 788 - 0073 + 1  
23591 ORANGE DEVELOPMENT 581 - 88900  
23591 REAL ESTATE SRVC 855 - 0365 + 1  
23591 RECREATIONL CNCPTS 855 - 0063 + 1  
23591 RECREATIONL FUNDNG 951 - 8831 + 1 |  
23591 RONDOU & ASSOCIATES 770 2 7164 0  
23591 SADDLEBACK SEC SERY 770 - 1091 - 1  
23591 SALES BUILDERS 788 - 8042 + 1  
23591 SEARCH GROUP THE 951 - 0111 + 1  
23591 SHEAR LAWRENCE W MD 951 - 7637 01  
23591 WESTERN CMMRCL CNTR 768 - 1148 0 |  
23591 YOAK PLUMBING 588 - 8213 + 11  
23600 ALPHYS RSTRNTS ELT 768 - 9758 7  
23601 TOM SAWYERS CHICKEN 951 - 6816 + 1



24551 ARCHITECTURAL CONCR 837 - 3634 9  
24551 ASHWORTH MARK S 770 - 7012 + 1  
24551 BROWN LEE 770 - 7012 + 1  
24551 BUILDING  
24551 CARRIAGE COMPANY 770 - 8787 + 1  
24551 CERTIFIED LEASING 770 - 8787 + 1  
24551 CONTEMPO PERSNNL SV 770 - 2732 0  
24551 EXECTV ESCROW CO 586 - 5070 9  
24551 EXECU CORP 586 - 5071 + 1  
24551 FINANCIAL ADVISORY 051 - 1426 0  
24551 G E C CFNCL SERV 581 - 69009  
24551 GOLD COAST LEASING 770 - 8787 9  
24551 HOMEMAKERS FINCE SY 591 - 6900 9  
24551 IMPACT FINANCIAL 586 - 2090 + 1  
24551 KING TONY T MD 770 - 8468 9  
24551 LEGAL EXECUTIVE SV 586 - 88300  
24551 LEWIS JAMES P 951 - 1426 0  
24551 MARSHALL & YEASTING 951 - 5752 + 1  
24551 PAM INC 951 - 5751 + 1  
24551 PATENT ANNUITY MNGM 951 - 5751 + 1  
24551 SMITH MARK ALAW 770 - 7012 + 1  
24551 WESTERN APPRAISERS 581 - 69909  
24551 YEAGER JAMES J 837 - 36340  
24552 US POSTAL SERVICE 837 - 1220 + 1  
24601 BELL TOWER FLORIST 768 - 6788 9  
24601 BUILDING  
24601 CINMAR CORP 770 - 3174 + 1  
24601 CLOTHES TIME 768 - 77759  
24601 COMPUTERLAND 770 - 0131 + 1  
24601 EL TORO TAILOR SHOP 951 - 0919 0  
24601 GOLDENWEST RL TSA ASC 770 - 2778 + 1  
24601 HONEY BAKED HAM INC 837 - 3822 8  
24601 HUGHES WALLPPR WRDL 768 - 5344 0  
24601 L & G SPORTING GOODS 770 - 27590  
24601 SUPERCUTS 586 - 5110 + 1  
24601 TYPEWRITER CITY 770 - 5528 9  
24601 VITAMIN VILLAGE 581 - 5051 0  
24601 WOODCELLAR THE 770 - 4444 9  
24602 A & A TOBACCO BARN 830 - 7110 + 1  
24602 AETNA FINANCE CO 770 - 0933 8  
24602 ANAHEIM SAVINGSELN 951 - 0181 0  
24602 AUNT HAZELS NTRL FD 581 - 5051 0  
24602 AVCO FINCL SERVICES 770 - 2544 9  
24602 BELL TWR TRVL 770 - 8628 9  
24602 BELVAS 951 - 1166 0  
24602 BONDS MICROWAVE CTR 830 - 8030 0  
24602 BUILDING  
24602 CALIF HOME SELLERS 770 - 9700 0  
24602 GOLDEN LION 770 - 2626 + 1  
24602 LIU FRANK CODS 770 - 0966 8  
24602 MARC & CO 830 - 4247 9  
24602 MINUTE MAN PRESS 768 - 6305  
24602 PANJOS PIZZA 770 - 52139  
24602 SHIRT CANNERY 768 - 41029  
24602 SMITH SMITH KEN 770 - 7131 0  
24602 SOFA BED STORE 051 - 5505 + 1  
24602 STATE FRM INS ELT 770 - 7131 0  
24602 TOBACCO BARN PIPE 830 - 7110 - 1  
24602 TRANSAMERICA FINNCL 581 - 2700 + 1  
24602 TRAVEL NETWORKS OFC 770 - 8628 0  
24602 VENUS DE MILO LADIE 768 - 4675 9  
24602 WEIGHT REDUCTN CLNC 051 - 83450

23461 XXXX  
23571 G & S TRANSMISSN CNTR830 - 1806 2  
23580 XXXX  
23582 US POSTAL SERVICE 837 - 1220 2  
23602 EL TORO CAR WASH 837 - 0600 3

1974

SOURCE: HAINES

RAYMOND WAY

1970

SOURCE: STREET ADDRESS DIRECTORY

EL TORO ROAD

STREET NOT LISTED

NO LISTINGS IN RANGE



STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED



STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED



STREET NOT LISTED

---

## Appendix E - Regulatory Database Report

# Appendix E







# DATABASE REPORT

**Project Property:** *National CORE/El Toro Road  
23591 El Toro Road  
Lake Forest CA 92630*

**Project No:** *19-42-162-01*

**Report Type:** *Database Report*

**Order No:** *20190618288*

**Requested by:** *Converse Consultants*

**Date Completed:** *June 20, 2019*

## **Environmental Risk Information Services**

A division of Glacier Media Inc.

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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# Executive Summary

## Property Information:

**Project Property:** *National CORE/El Toro Road  
23591 El Toro Road Lake Forest CA 92630*

**Project No:** *19-42-162-01*

**Coordinates:**

<b>Latitude:</b>	<i>33.622264</i>
<b>Longitude:</b>	<i>-117.701205</i>
<b>UTM Northing:</b>	<i>3,720,494.99</i>
<b>UTM Easting:</b>	<i>434,959.42</i>
<b>UTM Zone:</b>	<i>UTM Zone 11S</i>

**Elevation:** *400 FT*

## Order Information:

**Order No:** *20190618288*

**Date Requested:** *June 18, 2019*

**Requested by:** *Converse Consultants*

**Report Type:** *Database Report*

## Historicals/Products:

<b>Aerial Photographs</b>	<i>Historical Aerials (Boundaries)</i>
<b>City Directory Search</b>	<i>CD - 2 Street Search</i>
<b>ERIS Xplorer</b>	<a href="#"><i>ERIS Xplorer</i></a>
<b>Excel Add-On</b>	<i>Excel Add-On</i>
<b>Fire Insurance Maps</b>	<i>US Fire Insurance Maps</i>
<b>Physical Setting Report (PSR)</b>	<i>PSR</i>
<b>Topographic Map</b>	<i>Topographic Maps</i>

## Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	0	-	0
ODI	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	0	-	0
CERCLIS	Y	.5	0	0	0	0	-	0
IODI	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	0	0	1	-	-	1
RCRA SQG	Y	.25	0	1	3	-	-	4
RCRA CESQG	Y	.25	0	0	0	-	-	0
RCRA NON GEN	Y	.25	0	7	7	-	-	14
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	.5	0	0	0	0	-	0
FEMA UST	Y	.25	0	0	0	-	-	0
REFN	Y	.25	0	0	0	-	-	0
BULK TERMINAL	Y	.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0



Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b>State</b>								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	1	0	0	2	3
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
LDS	Y	.5	0	0	0	0	-	0
SWAT	Y	.5	0	0	0	0	-	0
LUST	Y	.5	0	0	1	12	-	13
DELISTED LST	Y	.5	0	0	0	0	-	0
SWRCB SWF	Y	.5	0	0	0	0	-	0
UST	Y	.25	0	0	0	-	-	0
UST CLOSURE	Y	.5	0	0	0	0	-	0
HHSS	Y	.25	0	0	1	-	-	1
AST	Y	.25	0	0	0	-	-	0
DELISTED TNK	Y	.25	0	0	1	-	-	1
CERS TANK	Y	.25	0	0	0	-	-	0
LUR	Y	.5	0	0	0	0	-	0
HLUR	Y	.5	0	0	0	0	-	0
DEED	Y	.5	0	0	0	1	-	1
VCP	Y	.5	0	1	0	0	-	1
CLEANUP SITES	Y	.5	0	2	0	2	-	4
DELISTED CTNK	Y	.25	0	0	0	-	-	0
HIST TANK	Y	.25	0	0	1	-	-	1
<b>Tribal</b>								
INDIAN LUST	Y	.5	0	0	0	0	-	0
INDIAN UST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
<b>County</b>								
DELISTED COUNTY	Y	.25	0	0	0	-	-	0
UST CLEANUP	Y	.5	0	0	0	0	-	0
ANAHEIM AST	Y	.25	0	0	0	-	-	0
ANAHEIM UST	Y	.25	0	0	0	-	-	0
ORANGE AST	Y	.25	0	0	0	-	-	0
ORANGE LOP	Y	.5	0	0	1	11	-	12
UST ORANGE CNTY	Y	.25	0	0	0	-	-	0

#### **Additional Environmental Records**

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b>Federal</b>								
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	.125	0	0	-	-	-	0
TSCA	Y	.125	0	0	-	-	-	0
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	.25	0	0	1	-	-	1
DELISTED FED DRY	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	.25	0	0	0	-	-	0
ALT FUELS	Y	.25	0	0	0	-	-	0
SSTS	Y	.25	0	0	0	-	-	0
PCB	Y	.5	0	0	0	0	-	0
<b>State</b>								
DRYCLEANERS	Y	.25	0	7	6	-	-	13
DELISTED DRYCLEANERS	Y	.25	0	0	0	-	-	0
DRYC GRANT	Y	.25	0	0	0	-	-	0
HWSS CLEANUP	Y	.5	0	0	0	0	-	0
DTSC HWF	Y	.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	1	1
CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	5	3	-	-	-	8
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CORTESE	Y	.5	0	0	0	0	-	0
CDO/CAO	Y	.5	0	0	0	0	-	0
CERS HAZ	Y	.125	0	5	-	-	-	5
DELISTED HAZ	Y	.5	0	0	0	1	-	1
GEOTRACKER	Y	.125	0	0	-	-	-	0
WASTE DISCHG	Y	.25	0	0	0	-	-	0
EMISSIONS	Y	.25	0	5	1	-	-	6



Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
CDL	Y	.125	0	1	-	-	-	1

**Tribal** *No Tribal additional environmental record sources available for this State.*

**County**

ORANGE ICP	Y	.25	0	2	1	-	-	3
ORANGE HW	Y	.125	0	1	-	-	-	1

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<b>Total:</b>			5	36	25	27	3	96
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\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<a href="#"><u>1</u></a>	HAZNET	DR STEVE PARHAM	23591 EL TORO SUITE 110 LAKE FOREST CA 926300000	-	0.00 / 0.00	5	<a href="#"><u>33</u></a>
<a href="#"><u>1</u></a>	HAZNET	TEKRANGE	23591 EL TORO RD STE 178 LAKE FOREST CA 92630	-	0.00 / 0.00	5	<a href="#"><u>33</u></a>
<a href="#"><u>1</u></a>	HAZNET	LAKE FOREST DENTAL GROUP	23591 EL TORO SUITE 120 LAKE FOREST CA 926300000	-	0.00 / 0.00	5	<a href="#"><u>33</u></a>
<a href="#"><u>1</u></a>	HAZNET	AMANI SOLIMAN DDS INC	23591 EL TORO RD STE 130 LAKE FOREST CA 92630	-	0.00 / 0.00	5	<a href="#"><u>34</u></a>
<a href="#"><u>1</u></a>	HAZNET	ASHRAF SOLIMAN DDS	23591 EL TORO RD STE 130 LAKE FOREST CA 926304704	-	0.00 / 0.00	5	<a href="#"><u>34</u></a>



## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">2</a>	HAZNET	CHOICE HEALTH CENTERS	24551 Raymond Way Lake Forest CA 926304400	SW	0.00 / 16.67	-4	<a href="#">35</a>
<a href="#">2</a>	HAZNET	CHOICE HEALTH CENTER	24551 RAYMOND WAY LAKE FOREST CA 926300000	SW	0.00 / 16.67	-4	<a href="#">35</a>
<a href="#">3</a>	HAZNET	UNITED STATES POSTAL SERVICE	24552 RAYMOND WAY LAKE FOREST CA 926309978	SSW	0.01 / 38.06	-2	<a href="#">36</a>
<a href="#">4</a>	DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO RD LAKE FOREST CA 926300000	ESE	0.02 / 105.65	5	<a href="#">36</a>
<a href="#">4</a>	DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO BLVD EL TORO CA 926300000	ESE	0.02 / 105.65	5	<a href="#">36</a>
<a href="#">4</a>	DRYCLEANERS	ORANGE TREE CLEANERS	23532 EL TORO RD #3 EL TORO CA 926300000	ESE	0.02 / 105.65	5	<a href="#">37</a>
<a href="#">4</a>	EMISSIONS	ORANGE TREE CLEANERS	23532 EL TORO RD, #3 EL TORO CA 92630	ESE	0.02 / 105.65	5	<a href="#">37</a>
<a href="#">4</a>	EMISSIONS	ORANGE TREE CLEANERS, MICHAEL	23532 EL TORO RD, #3 EL TORO CA 92630	ESE	0.02 / 105.65	5	<a href="#">37</a>
<a href="#">4</a>	ORANGE ICP	ORANGE TREE PLAZA CLEANERS	23532 EL TORO RD LAKE FOREST CA 92630-	ESE	0.02 / 105.65	5	<a href="#">38</a>
<a href="#">4</a>	RCRA NON GEN	SALONCENTRIC INC 6034	23532 EL TORO RD STE 6 LAKE FOREST CA 92630  <i>EPA Handler ID: CAL000394401</i>	ESE	0.02 / 105.65	5	<a href="#">38</a>
<a href="#">4</a>	RCRA SQG	ORANGE TREE PLAZA	23532 EL TORO ROAD UNIT #3 LAKE FOREST CA 92630 <i>EPA Handler ID: CAP000272310</i>	ESE	0.02 / 105.65	5	<a href="#">39</a>
<a href="#">5</a>	CERS HAZ	BIGSHOTS BILLIARDS BAR & GRILL	23512 EL TORO RD LAKE FOREST CA 92630	ESE	0.02 / 115.99	6	<a href="#">40</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#"><u>6</u></a>	CERS HAZ	O'Reilly Auto Parts #2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	2	<a href="#"><u>43</u></a>
<a href="#"><u>6</u></a>	DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY UNIT 15 EL TORO CA 926300000	S	0.03 / 161.26	2	<a href="#"><u>46</u></a>
<a href="#"><u>6</u></a>	DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	S	0.03 / 161.26	2	<a href="#"><u>46</u></a>
<a href="#"><u>6</u></a>	DRYCLEANERS	MOHAMMAD BANASHFAT DBA CROWN CLEANERS	24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	S	0.03 / 161.26	2	<a href="#"><u>46</u></a>
<a href="#"><u>6</u></a>	DRYCLEANERS	CROWN CLEANERS	24601 RAYMOND WAY EL TORO CA 926300000	S	0.03 / 161.26	2	<a href="#"><u>47</u></a>
<a href="#"><u>6</u></a>	EMISSIONS	CROWN 1 HOUR CLEANERS, A. TAHB	24601 RAYMOND WAY #15 EL TORO CA 92630	S	0.03 / 161.26	2	<a href="#"><u>47</u></a>
<a href="#"><u>6</u></a>	EMISSIONS	CROWN 1 HOUR CLEANERS	24601 RAYMOND WAY #15 EL TORO CA 92630	S	0.03 / 161.26	2	<a href="#"><u>48</u></a>
<a href="#"><u>6</u></a>	CLEANUP SITES	FORMER CROWN CLEANERS	24601 RAYMOND WAY LAKE FOREST CA 92603	S	0.03 / 161.26	2	<a href="#"><u>48</u></a>
<b>Site Facility Type / Status:</b> CLEANUP PROGRAM SITE   OPEN - ACTIVE							
<a href="#"><u>6</u></a>	ORANGE HW	OREILLY AUTO PARTS #2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	2	<a href="#"><u>58</u></a>
<a href="#"><u>6</u></a>	ORANGE ICP	CARLEN PLAZA - CROWN CLEANERS	24601 RAYMOND WAY LAKE FOREST CA 92630-	S	0.03 / 161.26	2	<a href="#"><u>58</u></a>
<a href="#"><u>6</u></a>	RCRA NON GEN	O'REILLY AUTO PARTS STORE 2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	2	<a href="#"><u>58</u></a>
<b>EPA Handler ID:</b> CAL000392709							
<a href="#"><u>7</u></a>	CERS HAZ	Sizzler Restaurant #409	23501 EL TORO RD LAKE FOREST CA 92630	SE	0.03 / 169.40	0	<a href="#"><u>59</u></a>



Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">7</a>	EMISSIONS	SIZZLER-MORGAN MANAGEMENT	23501 EL TORO RD EL TORO CA 92630	SE	0.03 / 169.40	0	<a href="#">62</a>
<a href="#">8</a>	ENVIROSTOR	PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD LAKE FOREST CA 92630	ESE	0.07 / 369.11	0	<a href="#">63</a>
<i>Estor/EPA ID   Cleanup Status:</i> 60001482   REFER: LOCAL AGENCY AS OF 2/27/2013							
<a href="#">8</a>	VCP	PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD LAKE FOREST CA 92630	ESE	0.07 / 369.11	0	<a href="#">64</a>
<i>Estor/EPA ID   Cleanup Status:</i> 60001482   REFER: LOCAL AGENCY AS OF 2/27/2013							
<a href="#">9</a>	CLEANUP SITES	THE FORMER ORANGE TREE PLAZA DRY CLEANERS	23532 EL TORO ROAD LAKE FOREST CA	ESE	0.09 / 453.98	0	<a href="#">65</a>
<i>Site Facility Type   Status:</i> CLEANUP PROGRAM SITE   OPEN - ACTIVE							
<a href="#">10</a>	CERS HAZ	Panda Express #1586	23572 EL TORO RD STE A LAKE FOREST CA 92630	S	0.09 / 480.73	-5	<a href="#">83</a>
<a href="#">11</a>	RCRA NON GEN	JACQUELINE HUTCHINGS	23292 CAVANAUGH RD LAKE FOREST CA 92630-4405 <i>EPA Handler ID:</i> CAC002990349	NNW	0.10 / 535.58	-11	<a href="#">86</a>
<a href="#">11</a>	RCRA NON GEN	JACQUELINE HUTCHINGS	23292 CAVANAUGH ROAD LAKE FOREST CA 92630 <i>EPA Handler ID:</i> CAC002992197	NNW	0.10 / 535.58	-11	<a href="#">87</a>
<a href="#">11</a>	RCRA NON GEN	JACQUELINE HUTCHINGS	23292 CAVANAUGH ROAD LAKE FOREST CA 92630-4405 <i>EPA Handler ID:</i> CAC003000143	NNW	0.10 / 535.58	-11	<a href="#">88</a>
<a href="#">12</a>	RCRA NON GEN	LOUGHRY, STEVE	23312 CAVANAUGH ROAD LAKE FOREST CA 92630 <i>EPA Handler ID:</i> CAC002979427	NW	0.10 / 536.04	-13	<a href="#">89</a>
<a href="#">12</a>	RCRA NON GEN	LOUGHRY, STEVE	23312 CAVANAUGH ROAD LAKE FOREST CA 92630 <i>EPA Handler ID:</i> CAC003000310	NW	0.10 / 536.04	-13	<a href="#">90</a>
<a href="#">13</a>	CERS HAZ	FREEDOM VILLAGE HEALTH CARE CENTER	23442 EL TORO RD LAKE FOREST CA 92630	E	0.10 / 539.52	7	<a href="#">91</a>
<a href="#">14</a>	CDL		23242 CAVANAUGH STREET LAKE FOREST CA 92630	N	0.12 / 659.72	-9	<a href="#">95</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">15</a>	RCRA NON GEN	STEVE DALAT	23236 CAVANAUGH RD LAKE FOREST CA 92630-4405 <i>EPA Handler ID:</i> CAC002968612	N	0.13 / 700.95	-9	<a href="#">95</a>
<a href="#">16</a>	DELISTED TNK	BEACON BAY AUTO WASH	23602 EL TORO RD LAKE FOREST CA 92630	S	0.15 / 811.69	-7	<a href="#">96</a>
<a href="#">16</a>	HHSS	EL TORO AUTO WASH	23602 EL TORD ROAD ROCKFIELD EL TORO CA 92630	S	0.15 / 811.69	-7	<a href="#">96</a>
<a href="#">16</a>	HIST TANK	EL TORO AUTO WASH	23602 EL TORO ROAD EL TORO CA	S	0.15 / 811.69	-7	<a href="#">96</a>
<a href="#">16</a>	ORANGE LOP	BEACON BAY AUTO WASH #06	23602 EL TORO RD LAKE FOREST CA 92630  <i>Record ID / Case Closed Date / Type of Closure:</i> RO0001881	S	0.15 / 811.69	-7	<a href="#">97</a>
<a href="#">16</a>	LUST	BEACON BAY AUTO WASH #06	23602 EL TORO LAKE FOREST CA 92630  <i>Global ID / Status / Status Date:</i> T0605902112   OPEN - REMEDIATION   2003-12-18 00:00:00	S	0.15 / 811.69	-7	<a href="#">97</a>
<a href="#">16</a>	RCRA NON GEN	MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #1291	23602 EL TORO RD LAKE FOREST CA 92630-4786  <i>EPA Handler ID:</i> CAL000313984	S	0.15 / 811.69	-7	<a href="#">110</a>
<a href="#">16</a>	RCRA NON GEN	PETSMART #1291	23602 EL TORO RD LAKE FOREST CA 92630  <i>EPA Handler ID:</i> CAL000400880	S	0.15 / 811.69	-7	<a href="#">111</a>
<a href="#">17</a>	RCRA NON GEN	ULTA BEAUTY 467	23608 EL TORO RD LAKE FOREST CA 92630-4786  <i>EPA Handler ID:</i> CAL000388889	S	0.17 / 895.66	-7	<a href="#">112</a>
<a href="#">18</a>	RCRA NON GEN	GARY & SHELLIE SHAUL	24471 REDLEN ST LAKE FOREST CA 92630  <i>EPA Handler ID:</i> CAC002977553	NW	0.18 / 941.60	-20	<a href="#">113</a>
<a href="#">19</a>	RCRA NON GEN	HOMEGOODS 0366	23614 EL TORO RD LAKE FOREST CA 92630-4786  <i>EPA Handler ID:</i> CAL000401807	S	0.19 / 986.85	-9	<a href="#">115</a>
<a href="#">20</a>	DRYCLEANERS	SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 926300000	ENE	0.19 / 999.86	7	<a href="#">116</a>
<a href="#">20</a>	DRYCLEANERS	SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 926300000	ENE	0.19 / 999.86	7	<a href="#">116</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#"><u>20</u></a>	DRYCLEANERS	SPIC N SPAN CLEANERS	23374 EL TORO RD LAKE FOREST CA 926300000	ENE	0.19 / 999.86	7	<a href="#"><u>116</u></a>
<a href="#"><u>20</u></a>	EMISSIONS	SPIC 'N SPAN CLEANERS	23374 EL TORO RD LAKE FOREST CA 92630	ENE	0.19 / 999.86	7	<a href="#"><u>116</u></a>
<a href="#"><u>20</u></a>	FED DRYCLEANERS	SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 92630	ENE	0.19 / 999.86	7	<a href="#"><u>117</u></a>
<a href="#"><u>20</u></a>	ORANGE ICP	SPIC N SPAN CLEANERS & LAUNDRY	23374 EL TORO RD LAKE FOREST CA 92630	ENE	0.19 / 999.86	7	<a href="#"><u>117</u></a>
<a href="#"><u>20</u></a>	RCRA SQG	SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 92630  <i>EPA Handler ID:</i> CAD983588708	ENE	0.19 / 999.86	7	<a href="#"><u>117</u></a>
<a href="#"><u>21</u></a>	RCRA NON GEN	AARON BROTHERS #0308	23622 EL TORO RD STE A LAKE FOREST CA 92630- 4786 <i>EPA Handler ID:</i> CAL000407538	SSW	0.20 / 1,037.65	-10	<a href="#"><u>118</u></a>
<a href="#"><u>22</u></a>	RCRA LQG	CVS PHARMACY # 9541	23330 EL TORO ROAD LAKE FOREST CA 92630  <i>EPA Handler ID:</i> CAR000236927	ENE	0.21 / 1,133.85	8	<a href="#"><u>119</u></a>
<a href="#"><u>23</u></a>	DRYCLEANERS	XPRESS CLEANERS	23635 EL TORO RD STE H1 LAGUNA HILLS CA 92630	SSW	0.24 / 1,276.42	-12	<a href="#"><u>123</u></a>
<a href="#"><u>23</u></a>	DRYCLEANERS	XPRESS CLEANERS	23635 EL TORO RD EL TORO CA 926300000	SSW	0.24 / 1,276.42	-12	<a href="#"><u>124</u></a>
<a href="#"><u>23</u></a>	DRYCLEANERS	XPRESS CLEANERS	23635 EL TORO RD STE H1 EL TORO CA 926304748	SSW	0.24 / 1,276.42	-12	<a href="#"><u>124</u></a>
<a href="#"><u>23</u></a>	RCRA SQG	XPRESS CLEANERS	23635 EL TORO RD EL TORO CA 92630  <i>EPA Handler ID:</i> CAD983581729	SSW	0.24 / 1,276.42	-12	<a href="#"><u>124</u></a>
<a href="#"><u>24</u></a>	RCRA SQG	ACC BEST 1 HOUR PHOTO	23615 EL TORO RD #S EL TORO CA 92630  <i>EPA Handler ID:</i> CAD982503849	SSW	0.25 / 1,298.98	-12	<a href="#"><u>125</u></a>
<a href="#"><u>25</u></a>	LUST	UNOCAL #6186	24382 MUIRLANDS LAKE FOREST CA 92630	N	0.28 / 1,453.33	-17	<a href="#"><u>126</u></a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<b>Global ID / Status / Status Date:</b> T0605901205   COMPLETED - CASE CLOSED   1994-06-21 00:00:00							
<a href="#">26</a>	CLEANUP SITES	THE ORCHARD SHOPPING CENTER, FORMER SILVER CLEANERS	23684 EL TORO ROAD LAKE FOREST CA 92630	SSW	0.29 / 1,507.98	-11	<a href="#">129</a>
<b>Site Facility Type / Status:</b> CLEANUP PROGRAM SITE   OPEN - SITE ASSESSMENT							
<a href="#">27</a>	LUST	TEXACO	23751 EL TORO LAKE FOREST CA 92630	SSW	0.31 / 1,613.98	-11	<a href="#">153</a>
<b>Global ID / Status / Status Date:</b> T0605900581   COMPLETED - CASE CLOSED   1991-05-06 00:00:00							
<a href="#">28</a>	LUST	SHELL OIL	23751 EL TORO LAKE FOREST CA 92630	SSW	0.35 / 1,831.42	-11	<a href="#">155</a>
<b>Global ID / Status / Status Date:</b> T0605986985   COMPLETED - CASE CLOSED   2013-01-10 00:00:00							
<a href="#">29</a>	ORANGE LOP	SHELL OIL	23751 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,897.21	-12	<a href="#">166</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0003195   5/17/2013   Closure certification issued							
<a href="#">29</a>	ORANGE LOP	TEXACO	23751 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,897.21	-12	<a href="#">166</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001124   5/6/1991   Closure certification issued							
<a href="#">30</a>	ORANGE LOP	ARCO #3013	23742 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,913.69	-12	<a href="#">167</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002116							
<a href="#">30</a>	LUST	ARCO #3013	23742 EL TORO LAKE FOREST CA 92630	SSW	0.36 / 1,913.69	-12	<a href="#">167</a>
<b>Global ID / Status / Status Date:</b> T0605901431   OPEN - SITE ASSESSMENT   2014-10-27 00:00:00							
<a href="#">31</a>	LUST	KENITA ENTERPRISES	24961 WHISLER DR LAKE FOREST CA 92630	ENE	0.39 / 2,064.04	24	<a href="#">186</a>
<b>Global ID / Status / Status Date:</b> T0605902476   COMPLETED - CASE CLOSED   1989-05-19 00:00:00							
<a href="#">32</a>	ORANGE LOP	MOBIL #18-378	23771 EL TORO RD LAKE FOREST CA 92630	SW	0.40 / 2,095.40	-16	<a href="#">187</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0000891							
<a href="#">32</a>	ORANGE LOP	MOBIL OIL	23771 EL TORO RD LAKE FOREST CA 92630	SW	0.40 / 2,095.40	-16	<a href="#">187</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002874   9/2/1986   Closure certification issued							
<a href="#">32</a>	LUST	MOBIL OIL	23771 EL TORO LAKE FOREST CA 92630	SW	0.40 / 2,095.40	-16	<a href="#">188</a>
<b>Global ID / Status / Status Date:</b> T0605900211   COMPLETED - CASE CLOSED   1986-09-02 00:00:00							
<a href="#">32</a>	LUST	MOBIL #18-378	23771 EL TORO LAKE FOREST CA 92630	SW	0.40 / 2,095.40	-16	<a href="#">189</a>
<b>Global ID / Status / Status Date:</b> T0605902221   OPEN - SITE ASSESSMENT   2009-03-10 00:00:00							
<a href="#">33</a>	ORANGE LOP	UNOCAL #6186	24382 MUIRLANDS LAKE FOREST CA 92630	NNW	0.42 / 2,239.75	-31	<a href="#">211</a>



Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002900   6/21/1994   Closure certification issued							
<a href="#">34</a>	LUST	CHEVRON #9-0884	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.43 / 2,262.68	-29	<a href="#">211</a>
<b>Global ID / Status / Status Date:</b> T0605979060   COMPLETED - CASE CLOSED   2015-01-15 00:00:00							
<a href="#">35</a>	LUST	CHEVRON	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.43 / 2,284.90	-28	<a href="#">224</a>
<b>Global ID / Status / Status Date:</b> T0605902054   COMPLETED - CASE CLOSED   1998-06-03 00:00:00							
<a href="#">36</a>	ORANGE LOP	CHEVRON	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.45 / 2,391.12	-31	<a href="#">226</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001283   6/3/1998   Closure certification issued							
<a href="#">36</a>	ORANGE LOP	CHEVRON #9-0884	22942 RIDGE ROUTE DR LAKE FOREST CA 92630	NNW	0.45 / 2,391.12	-31	<a href="#">227</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0003116   1/15/2015   Closure certification issued							
<a href="#">37</a>	DELISTED HAZ	7-Eleven 33626	23842 EL TORO RD LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	-25	<a href="#">227</a>
<a href="#">37</a>	ORANGE LOP	SHELL OIL	23842 EL TORO RD LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	-25	<a href="#">227</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001822   9/29/2005   Closure certification issued							
<a href="#">37</a>	LUST	SHELL OIL	23842 EL TORO LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	-25	<a href="#">227</a>
<b>Global ID / Status / Status Date:</b> T0605902278   COMPLETED - CASE CLOSED   2005-09-29 00:00:00							
<a href="#">38</a>	DEED	THE SHOPS AT LAKE FOREST SHOPPING CENTER	24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	SSW	0.47 / 2,497.58	-26	<a href="#">230</a>
<a href="#">38</a>	CLEANUP SITES	THE SHOPS AT LAKE FOREST SHOPPING CENTER	24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	SSW	0.47 / 2,497.58	-26	<a href="#">230</a>
<b>Site Facility Type / Status:</b> CLEANUP PROGRAM SITE   OPEN - REMEDIATION							
<a href="#">39</a>	ORANGE LOP	EXXON	23852 EL TORO RD LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	-27	<a href="#">266</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002476   8/19/2004   Closure certification issued							
<a href="#">39</a>	ORANGE LOP	USA PETROLEUM #825	23852 EL TORO RD LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	-27	<a href="#">266</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0003205   12/14/2005   Closure certification issued							
<a href="#">39</a>	LUST	EXXON	23852 EL TORO LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	-27	<a href="#">266</a>
<b>Global ID / Status / Status Date:</b> T0605900965   COMPLETED - CASE CLOSED   2004-09-20 00:00:00							
<a href="#">39</a>	LUST	USA PETROLEUM #825	23852 EL TORO LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	-27	<a href="#">278</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<b>Global ID / Status / Status Date:</b> T0605936712   COMPLETED - CASE CLOSED   2005-12-14 00:00:00							
<a href="#">40</a>	ENVIROSTOR	LAKE FOREST TOWN CENTER / DRY CLEANER	22641 LAKE FOREST DRIVE LAKE FOREST CA 92630	NNW	0.92 / 4,856.83	-58	<a href="#">281</a>
<b>Estor/EPA ID / Cleanup Status:</b> 60002373   ACTIVE AS OF 6/14/2016							
<a href="#">41</a>	ENVIROSTOR	SILVERADO CONTINUATION HIGH SCHOOL	25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	E	0.96 / 5,076.66	51	<a href="#">285</a>
<b>Estor/EPA ID / Cleanup Status:</b> 70000058   NO ACTION REQUIRED AS OF 11/1/2005							
<a href="#">41</a>	SCH	SILVERADO CONTINUATION HIGH SCHOOL	25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	E	0.96 / 5,076.66	51	<a href="#">285</a>
<b>Estor/EPA ID / Cleanup Status:</b> 70000058   NO ACTION REQUIRED AS OF 11/1/2005							



## Executive Summary: Summary by Data Source

### Standard

#### Federal

##### RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Mar 4, 2019 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CVS PHARMACY # 9541	23330 EL TORO ROAD LAKE FOREST CA 92630	ENE	0.21 / 1,133.85	<a href="#">22</a>
<i>EPA Handler ID: CAR000236927</i>				

##### RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Mar 4, 2019 has found that there are 4 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ORANGE TREE PLAZA	23532 EL TORO ROAD UNIT #3 LAKE FOREST CA 92630	ESE	0.02 / 105.65	<a href="#">4</a>
<i>EPA Handler ID: CAP000272310</i>				
SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 92630	ENE	0.19 / 999.86	<a href="#">20</a>
<i>EPA Handler ID: CAD983588708</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
XPRESS CLEANERS	23635 EL TORO RD EL TORO CA 92630	SSW	0.24 / 1,276.42	<a href="#">23</a>
<i>EPA Handler ID: CAD983581729</i>				
ACC BEST 1 HOUR PHOTO	23615 EL TORO RD #S EL TORO CA 92630	SSW	0.25 / 1,298.98	<a href="#">24</a>
<i>EPA Handler ID: CAD982503849</i>				

##### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Mar 4, 2019 has found that there are 14 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SALONCENTRIC INC 6034	23532 EL TORO RD STE 6 LAKE FOREST CA 92630	ESE	0.02 / 105.65	<a href="#">4</a>
<i>EPA Handler ID: CAL000394401</i>				

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
O'REILLY AUTO PARTS STORE 2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	<a href="#">6</a>
<b>EPA Handler ID: CAL000392709</b>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
JACQUELINE HUTCHINGS	23292 CAVANAUGH ROAD LAKE FOREST CA 92630-4405	NNW	0.10 / 535.58	<a href="#">11</a>
<b>EPA Handler ID: CAC003000143</b>				
JACQUELINE HUTCHINGS	23292 CAVANAUGH ROAD LAKE FOREST CA 92630	NNW	0.10 / 535.58	<a href="#">11</a>
<b>EPA Handler ID: CAC002992197</b>				
JACQUELINE HUTCHINGS	23292 CAVANAUGH RD LAKE FOREST CA 92630-4405	NNW	0.10 / 535.58	<a href="#">11</a>
<b>EPA Handler ID: CAC002990349</b>				
LOUGHRY, STEVE	23312 CAVANAUGH ROAD LAKE FOREST CA 92630	NW	0.10 / 536.04	<a href="#">12</a>
<b>EPA Handler ID: CAC002979427</b>				
LOUGHRY, STEVE	23312 CAVANAUGH ROAD LAKE FOREST CA 92630	NW	0.10 / 536.04	<a href="#">12</a>
<b>EPA Handler ID: CAC003000310</b>				
STEVE DALAT	23236 CAVANAUGH RD LAKE FOREST CA 92630-4405	N	0.13 / 700.95	<a href="#">15</a>
<b>EPA Handler ID: CAC002968612</b>				
PETSMART #1291	23602 EL TORO RD LAKE FOREST CA 92630	S	0.15 / 811.69	<a href="#">16</a>
<b>EPA Handler ID: CAL000400880</b>				
MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #1291	23602 EL TORO RD LAKE FOREST CA 92630-4786	S	0.15 / 811.69	<a href="#">16</a>
<b>EPA Handler ID: CAL000313984</b>				
ULTA BEAUTY 467	23608 EL TORO RD LAKE FOREST CA 92630-4786	S	0.17 / 895.66	<a href="#">17</a>
<b>EPA Handler ID: CAL000388889</b>				
GARY & SHELLIE SHAUL	24471 REDLEN ST LAKE FOREST CA 92630	NW	0.18 / 941.60	<a href="#">18</a>
<b>EPA Handler ID: CAC002977553</b>				
HOMEGOODS 0366	23614 EL TORO RD LAKE FOREST CA 92630-4786	S	0.19 / 986.85	<a href="#">19</a>
<b>EPA Handler ID: CAL000401807</b>				



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
AARON BROTHERS #0308	23622 EL TORO RD STE A LAKE FOREST CA 92630-4786	SSW	0.20 / 1,037.65	<a href="#">21</a>
<i>EPA Handler ID: CAL000407538</i>				

## State

### ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Mar 11, 2019 has found that there are 3 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SILVERADO CONTINUATION HIGH SCHOOL	25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	E	0.96 / 5,076.66	<a href="#">41</a>
<i>Estor/EPA ID   Cleanup Status: 70000058   NO ACTION REQUIRED AS OF 11/1/2005</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD LAKE FOREST CA 92630	ESE	0.07 / 369.11	<a href="#">8</a>
<i>Estor/EPA ID   Cleanup Status: 60001482   REFER: LOCAL AGENCY AS OF 2/27/2013</i>				

LAKE FOREST TOWN CENTER / DRY CLEANER	22641 LAKE FOREST DRIVE LAKE FOREST CA 92630	NNW	0.92 / 4,856.83	<a href="#">40</a>
<i>Estor/EPA ID   Cleanup Status: 60002373   ACTIVE AS OF 6/14/2016</i>				

### LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Apr 10, 2019 has found that there are 13 LUST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KENITA ENTERPRISES	24961 WHISLER DR LAKE FOREST CA 92630	ENE	0.39 / 2,064.04	<a href="#">31</a>
<i>Global ID   Status   Status Date: T0605902476   COMPLETED - CASE CLOSED   1989-05-19 00:00:00</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BEACON BAY AUTO WASH #06	23602 EL TORO LAKE FOREST CA 92630	S	0.15 / 811.69	<a href="#">16</a>
<i>Global ID   Status   Status Date: T0605902112   OPEN - REMEDIATION   2003-12-18 00:00:00</i>				

UNOCAL #6186	24382 MUIRLANDS LAKE FOREST CA 92630	N	0.28 / 1,453.33	<a href="#">25</a>
<i>Global ID   Status   Status Date: T0605901205   COMPLETED - CASE CLOSED   1994-06-21 00:00:00</i>				

TEXACO	23751 EL TORO LAKE FOREST CA 92630	SSW	0.31 / 1,613.98	<a href="#">27</a>
<i>Global ID   Status   Status Date: T0605900581   COMPLETED - CASE CLOSED   1991-05-06 00:00:00</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SHELL OIL	23751 EL TORO LAKE FOREST CA 92630	SSW	0.35 / 1,831.42	<a href="#">28</a>
<i>Global ID / Status / Status Date: T0605986985   COMPLETED - CASE CLOSED   2013-01-10 00:00:00</i>				
ARCO #3013	23742 EL TORO LAKE FOREST CA 92630	SSW	0.36 / 1,913.69	<a href="#">30</a>
<i>Global ID / Status / Status Date: T0605901431   OPEN - SITE ASSESSMENT   2014-10-27 00:00:00</i>				
MOBIL OIL	23771 EL TORO LAKE FOREST CA 92630	SW	0.40 / 2,095.40	<a href="#">32</a>
<i>Global ID / Status / Status Date: T0605900211   COMPLETED - CASE CLOSED   1986-09-02 00:00:00</i>				
MOBIL #18-378	23771 EL TORO LAKE FOREST CA 92630	SW	0.40 / 2,095.40	<a href="#">32</a>
<i>Global ID / Status / Status Date: T0605902221   OPEN - SITE ASSESSMENT   2009-03-10 00:00:00</i>				
CHEVRON #9-0884	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.43 / 2,262.68	<a href="#">34</a>
<i>Global ID / Status / Status Date: T0605979060   COMPLETED - CASE CLOSED   2015-01-15 00:00:00</i>				
CHEVRON	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.43 / 2,284.90	<a href="#">35</a>
<i>Global ID / Status / Status Date: T0605902054   COMPLETED - CASE CLOSED   1998-06-03 00:00:00</i>				
SHELL OIL	23842 EL TORO LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	<a href="#">37</a>
<i>Global ID / Status / Status Date: T0605902278   COMPLETED - CASE CLOSED   2005-09-29 00:00:00</i>				
EXXON	23852 EL TORO LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	<a href="#">39</a>
<i>Global ID / Status / Status Date: T0605900965   COMPLETED - CASE CLOSED   2004-09-20 00:00:00</i>				
USA PETROLEUM #825	23852 EL TORO LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	<a href="#">39</a>
<i>Global ID / Status / Status Date: T0605936712   COMPLETED - CASE CLOSED   2005-12-14 00:00:00</i>				

## **HHSS - Historical Hazardous Substance Storage Information Database**

A search of the HHSS database, dated Aug 27, 2015 has found that there are 1 HHSS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
EL TORO AUTO WASH	23602 EL TORD ROAD ROCKFIELD EL TORO CA 92630	S	0.15 / 811.69	<a href="#">16</a>

## **DELISTED TNK - Delisted Storage Tanks**

A search of the DELISTED TNK database, dated May 1, 2019 has found that there are 1 DELISTED TNK site(s) within approximately 0.25 miles of the project property.



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BEACON BAY AUTO WASH	23602 EL TORO RD LAKE FOREST CA 92630	S	0.15 / 811.69	<a href="#">16</a>

### **DEED - Deed Restrictions and Land Use Restrictions**

A search of the DEED database, dated Apr 17, 2019 has found that there are 1 DEED site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
THE SHOPS AT LAKE FOREST SHOPPING CENTER	24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	SSW	0.47 / 2,497.58	<a href="#">38</a>

### **VCP - Voluntary Cleanup Program**

A search of the VCP database, dated Mar 11, 2019 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE)	23512-23532 EL TORO ROAD LAKE FOREST CA 92630	ESE	0.07 / 369.11	<a href="#">8</a>

*Estor/EPA ID | Cleanup Status: 60001482 | REFER: LOCAL AGENCY AS OF 2/27/2013*

### **CLEANUP SITES - GeoTracker Cleanup Program Sites**

A search of the CLEANUP SITES database, dated Apr 17, 2019 has found that there are 4 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FORMER CROWN CLEANERS	24601 RAYMOND WAY LAKE FOREST CA 92603	S	0.03 / 161.26	<a href="#">6</a>

*Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - ACTIVE*

THE FORMER ORANGE TREE PLAZA DRY CLEANERS	23532 EL TORO ROAD LAKE FOREST CA	ESE	0.09 / 453.98	<a href="#">9</a>
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*Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - ACTIVE*

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
THE ORCHARD SHOPPING CENTER, FORMER SILVER CLEANERS	23684 EL TORO ROAD LAKE FOREST CA 92630	SSW	0.29 / 1,507.98	<a href="#">26</a>

*Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT*

THE SHOPS AT LAKE FOREST SHOPPING CENTER	24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	SSW	0.47 / 2,497.58	<a href="#">38</a>
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*Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - REMEDIATION*

### **HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary**

A search of the HIST TANK database, dated May 27, 1988 has found that there are 1 HIST TANK site(s) within approximately 0.25

miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
EL TORO AUTO WASH	23602 EL TORO ROAD EL TORO CA	S	0.15 / 811.69	<a href="#">16</a>

## County

### ORANGE LOP - Orange County - LOP Lead Cases List

A search of the ORANGE LOP database, dated May 1, 2019 has found that there are 12 ORANGE LOP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BEACON BAY AUTO WASH #06	23602 EL TORO RD LAKE FOREST CA 92630	S	0.15 / 811.69	<a href="#">16</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001881				
TEXACO	23751 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,897.21	<a href="#">29</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001124   5/6/1991   Closure certification issued				
SHELL OIL	23751 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,897.21	<a href="#">29</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0003195   5/17/2013   Closure certification issued				
ARCO #3013	23742 EL TORO RD LAKE FOREST CA 92630	SSW	0.36 / 1,913.69	<a href="#">30</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002116				
MOBIL OIL	23771 EL TORO RD LAKE FOREST CA 92630	SW	0.40 / 2,095.40	<a href="#">32</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002874   9/2/1986   Closure certification issued				
MOBIL #18-378	23771 EL TORO RD LAKE FOREST CA 92630	SW	0.40 / 2,095.40	<a href="#">32</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0000891				
UNOCAL #6186	24382 MUIRLANDS LAKE FOREST CA 92630	NNW	0.42 / 2,239.75	<a href="#">33</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0002900   6/21/1994   Closure certification issued				
CHEVRON #9-0884	22942 RIDGE ROUTE DR LAKE FOREST CA 92630	NNW	0.45 / 2,391.12	<a href="#">36</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0003116   1/15/2015   Closure certification issued				
CHEVRON	22942 RIDGE ROUTE LAKE FOREST CA 92630	NNW	0.45 / 2,391.12	<a href="#">36</a>
<b>Record ID / Case Closed Date / Type of Closure:</b> RO0001283   6/3/1998   Closure certification issued				
SHELL OIL	23842 EL TORO RD LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	<a href="#">37</a>



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
<i>Record ID   Case Closed Date   Type of Closure: RO0001822   9/29/2005   Closure certification issued</i>				
USA PETROLEUM #825	23852 EL TORO RD LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	<a href="#">39</a>
<i>Record ID   Case Closed Date   Type of Closure: RO0003205   12/14/2005   Closure certification issued</i>				
EXXON	23852 EL TORO RD LAKE FOREST CA 92630	SSW	0.49 / 2,583.88	<a href="#">39</a>
<i>Record ID   Case Closed Date   Type of Closure: RO0002476   8/19/2004   Closure certification issued</i>				

## **Non Standard**

### **Federal**

#### **FED DRYCLEANERS - Drycleaner Facilities**

A search of the FED DRYCLEANERS database, dated May 29, 2018 has found that there are 1 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 92630	ENE	0.19 / 999.86	<a href="#">20</a>

### **State**

#### **DRYCLEANERS - Dry Cleaning Facilities**

A search of the DRYCLEANERS database, dated Apr 16, 2019 has found that there are 13 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ORANGE TREE CLEANERS	23532 EL TORO RD LAKE FOREST CA 926300000	ESE	0.02 / 105.65	<a href="#">4</a>
ORANGE TREE CLEANERS	23532 EL TORO RD #3 EL TORO CA 926300000	ESE	0.02 / 105.65	<a href="#">4</a>
ORANGE TREE CLEANERS	23532 EL TORO BLVD EL TORO CA 926300000	ESE	0.02 / 105.65	<a href="#">4</a>
CROWN CLEANERS	24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	S	0.03 / 161.26	<a href="#">6</a>
CROWN CLEANERS	24601 RAYMOND WAY UNIT 15 EL TORO CA 926300000	S	0.03 / 161.26	<a href="#">6</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CROWN CLEANERS	24601 RAYMOND WAY EL TORO CA 926300000	S	0.03 / 161.26	<a href="#">6</a>
MOHAMMAD BANASHFAT DBA CROWN CLEANERS	24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	S	0.03 / 161.26	<a href="#">6</a>
SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 926300000	ENE	0.19 / 999.86	<a href="#">20</a>
SPIC N SPAN CLEANERS	23374 EL TORO RD EL TORO CA 926300000	ENE	0.19 / 999.86	<a href="#">20</a>
SPIC N SPAN CLEANERS	23374 EL TORO RD LAKE FOREST CA 926300000	ENE	0.19 / 999.86	<a href="#">20</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
XPRESS CLEANERS	23635 EL TORO RD STE H1 LAGUNA HILLS CA 92630	SSW	0.24 / 1,276.42	<a href="#">23</a>
XPRESS CLEANERS	23635 EL TORO RD EL TORO CA 926300000	SSW	0.24 / 1,276.42	<a href="#">23</a>
XPRESS CLEANERS	23635 EL TORO RD STE H1 EL TORO CA 926304748	SSW	0.24 / 1,276.42	<a href="#">23</a>

### **SCH - School Property Evaluation Program Sites**

A search of the SCH database, dated Mar 11, 2019 has found that there are 1 SCH site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SILVERADO CONTINUATION HIGH SCHOOL	25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	E	0.96 / 5,076.66	<a href="#">41</a>

**Estor/EPA ID | Cleanup Status:** 70000058 | NO ACTION REQUIRED AS OF 11/1/2005

### **HAZNET - Hazardous Waste Manifest Data**

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 8 HAZNET site(s) within approximately 0.02 miles of the project property.



<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TEKRANGE	23591 EL TORO RD STE 178 LAKE FOREST CA 92630	-	0.00 / 0.00	<a href="#"><u>1</u></a>
DR STEVE PARHAM	23591 EL TORO SUITE 110 LAKE FOREST CA 926300000	-	0.00 / 0.00	<a href="#"><u>1</u></a>
ASHRAF SOLIMAN DDS	23591 EL TORO RD STE 130 LAKE FOREST CA 926304704	-	0.00 / 0.00	<a href="#"><u>1</u></a>
AMANI SOLIMAN DDS INC	23591 EL TORO RD STE 130 LAKE FOREST CA 92630	-	0.00 / 0.00	<a href="#"><u>1</u></a>
LAKE FOREST DENTAL GROUP	23591 EL TORO SUITE 120 LAKE FOREST CA 926300000	-	0.00 / 0.00	<a href="#"><u>1</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CHOICE HEALTH CENTER	24551 RAYMOND WAY LAKE FOREST CA 926300000	SW	0.00 / 16.67	<a href="#"><u>2</u></a>
CHOICE HEALTH CENTERS	24551 Raymond Way Lake Forest CA 926304400	SW	0.00 / 16.67	<a href="#"><u>2</u></a>
UNITED STATES POSTAL SERVICE	24552 RAYMOND WAY LAKE FOREST CA 926309978	SSW	0.01 / 38.06	<a href="#"><u>3</u></a>

### **CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites**

A search of the CERS HAZ database, dated May 6, 2019 has found that there are 5 CERS HAZ site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BIGSHOTS BILLIARDS BAR & GRILL	23512 EL TORO RD LAKE FOREST CA 92630	ESE	0.02 / 115.99	<a href="#"><u>5</u></a>
O'Reilly Auto Parts #2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	<a href="#"><u>6</u></a>
Sizzler Restaurant #409	23501 EL TORO RD LAKE FOREST CA 92630	SE	0.03 / 169.40	<a href="#"><u>7</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FREEDOM VILLAGE HEALTH CARE CENTER	23442 EL TORO RD LAKE FOREST CA 92630	E	0.10 / 539.52	<a href="#">13</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Panda Express #1586	23572 EL TORO RD STE A LAKE FOREST CA 92630	S	0.09 / 480.73	<a href="#">10</a>

### **DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites**

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 1 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-Eleven 33626	23842 EL TORO RD LAKE FOREST CA 92630	SSW	0.46 / 2,440.52	<a href="#">37</a>

### **EMISSIONS - Toxic Pollutant Emissions Facilities**

A search of the EMISSIONS database, dated Dec 31, 2017 has found that there are 6 EMISSIONS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ORANGE TREE CLEANERS, MICHAEL	23532 EL TORO RD, #3 EL TORO CA 92630	ESE	0.02 / 105.65	<a href="#">4</a>
ORANGE TREE CLEANERS	23532 EL TORO RD, #3 EL TORO CA 92630	ESE	0.02 / 105.65	<a href="#">4</a>
CROWN 1 HOUR CLEANERS	24601 RAYMOND WAY #15 EL TORO CA 92630	S	0.03 / 161.26	<a href="#">6</a>
CROWN 1 HOUR CLEANERS, A. TAHB	24601 RAYMOND WAY #15 EL TORO CA 92630	S	0.03 / 161.26	<a href="#">6</a>
SIZZLER-MORGAN MANAGEMENT	23501 EL TORO RD EL TORO CA 92630	SE	0.03 / 169.40	<a href="#">7</a>
SPIC 'N SPAN CLEANERS	23374 EL TORO RD LAKE FOREST CA 92630	ENE	0.19 / 999.86	<a href="#">20</a>

### **CDL - Clandestine Drug Lab Sites**



A search of the CDL database, dated Dec 31, 2017 has found that there are 1 CDL site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	23242 CAVANAUGH STREET LAKE FOREST CA 92630	N	0.12 / 659.72	<a href="#">14</a>

## **County**

### **ORANGE ICP - Orange County - Industrial Cleanup Program Cases Listing**

A search of the ORANGE ICP database, dated May 1, 2019 has found that there are 3 ORANGE ICP site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ORANGE TREE PLAZA CLEANERS	23532 EL TORO RD LAKE FOREST CA 92630-	ESE	0.02 / 105.65	<a href="#">4</a>
CARLEN PLAZA - CROWN CLEANERS	24601 RAYMOND WAY LAKE FOREST CA 92630-	S	0.03 / 161.26	<a href="#">6</a>
SPIC N SPAN CLEANERS & LAUNDRY	23374 EL TORO RD LAKE FOREST CA 92630	ENE	0.19 / 999.86	<a href="#">20</a>

### **ORANGE HW - Orange County - Hazardous Waste Facilities**

A search of the ORANGE HW database, dated May 1, 2019 has found that there are 1 ORANGE HW site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
OREILLY AUTO PARTS #2940	24601 RAYMOND WAY LAKE FOREST CA 92630	S	0.03 / 161.26	<a href="#">6</a>

117°43'W

117°42'30"W

117°42'W

117°41'30"W

117°41'W

33°38'N

33°37'30"N

33°37'N

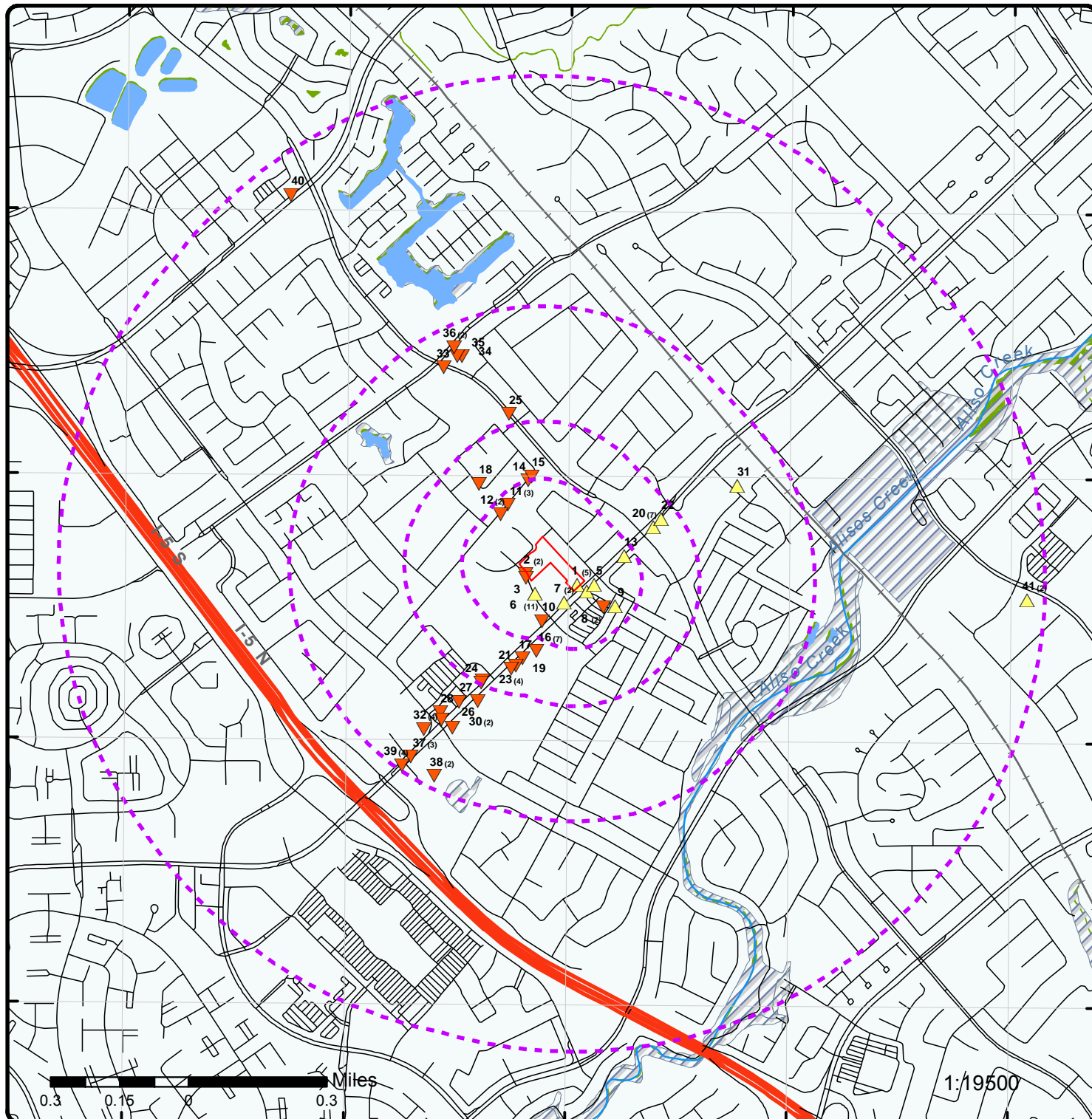
33°36'30"N

33°38'N

33°37'30"N

33°37'N

33°36'30"N



## Map : 1 Mile Radius

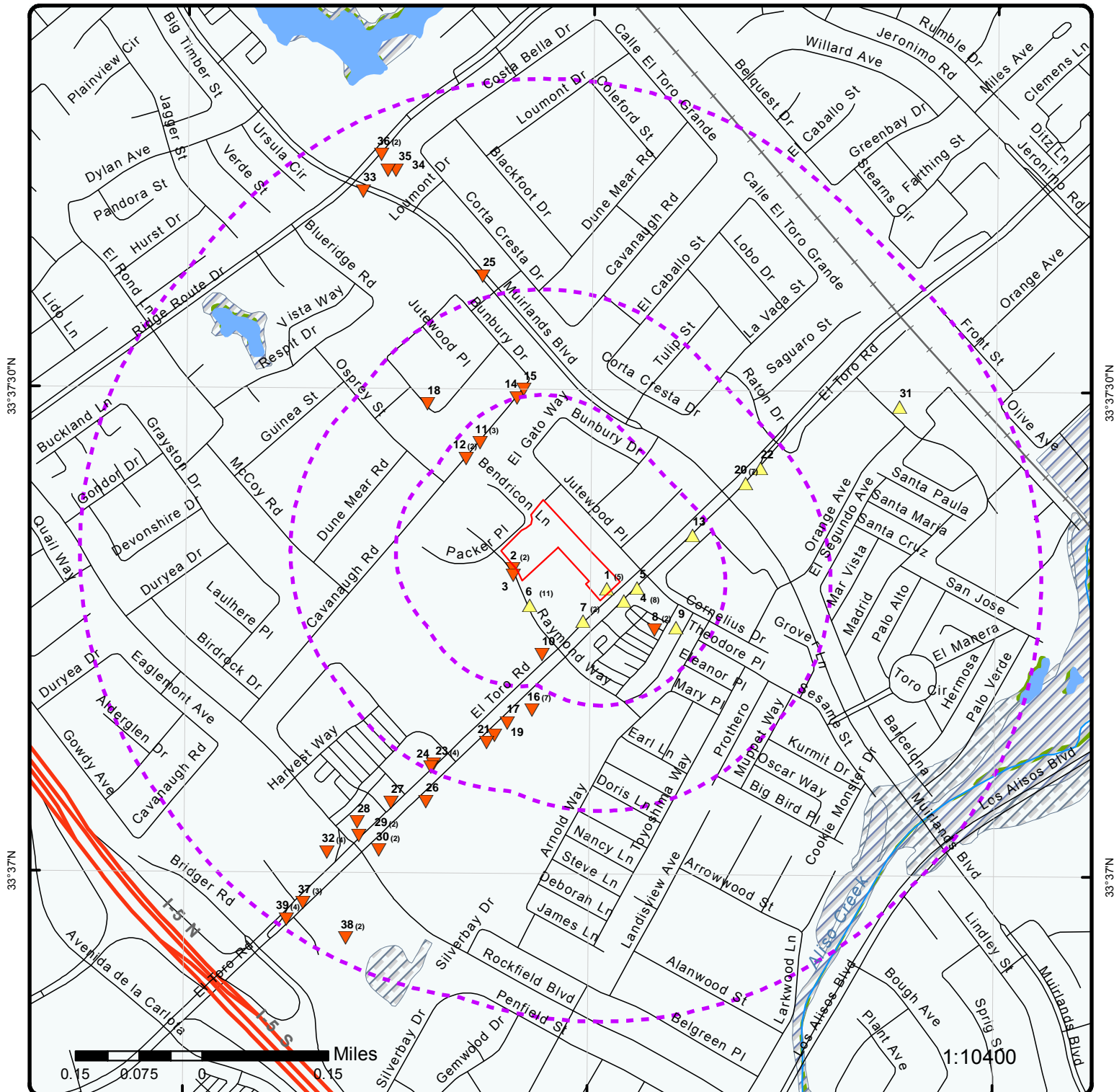
Order No: 20190618288

Address: 23591 El Toro Road, Lake Forest, CA, 92630



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

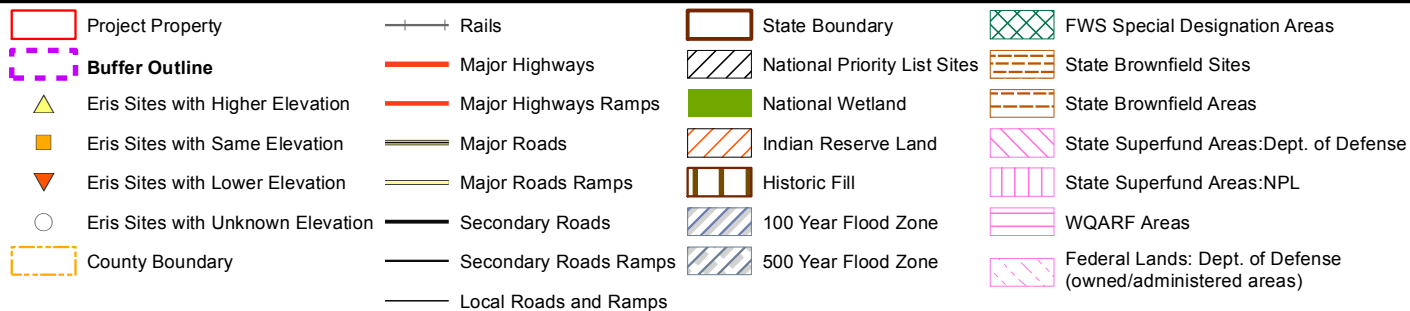


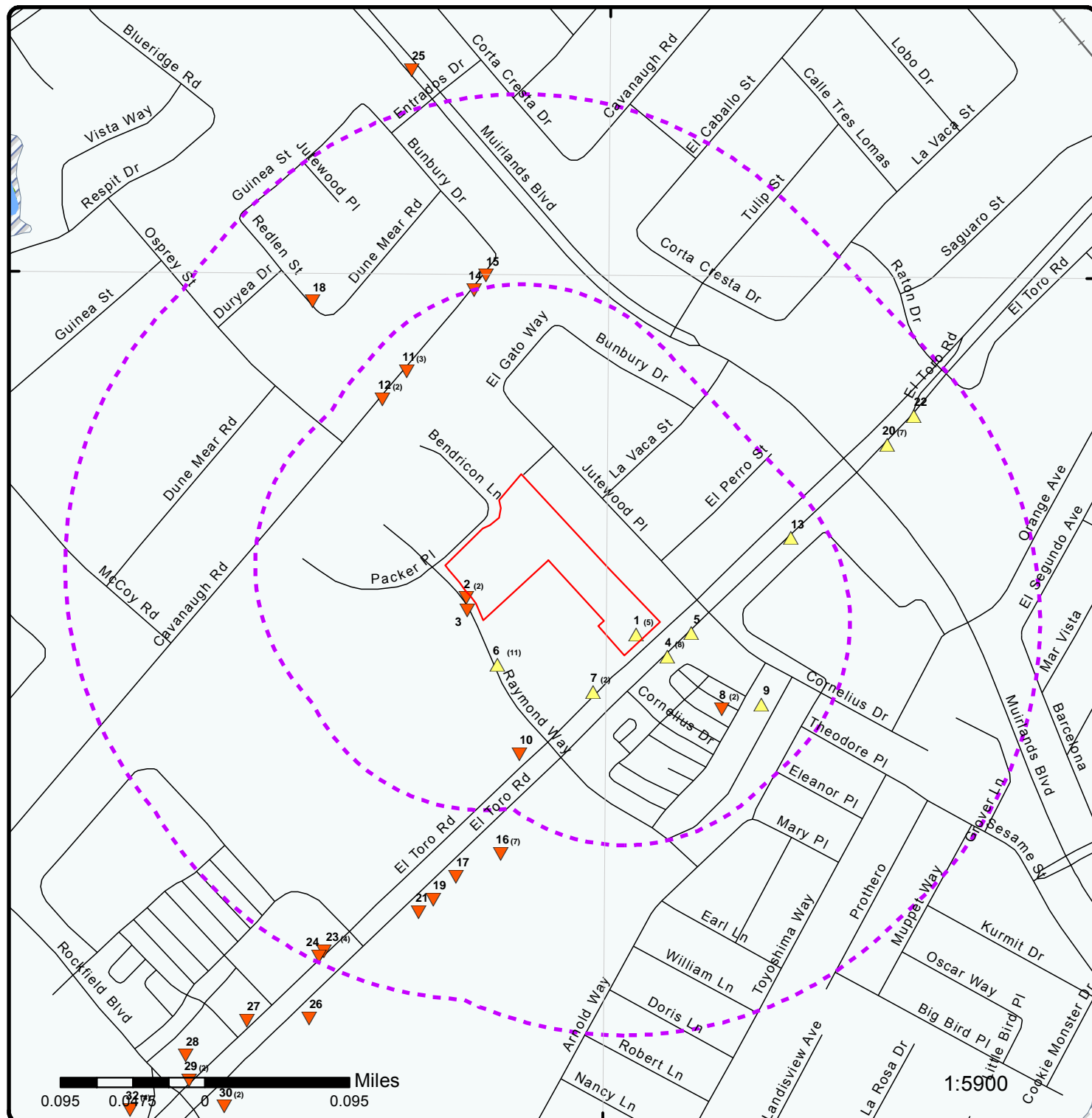


## Map : 0.5 Mile Radius

Order No: 20190618288

Address: 23591 El Toro Road, Lake Forest, CA, 92630



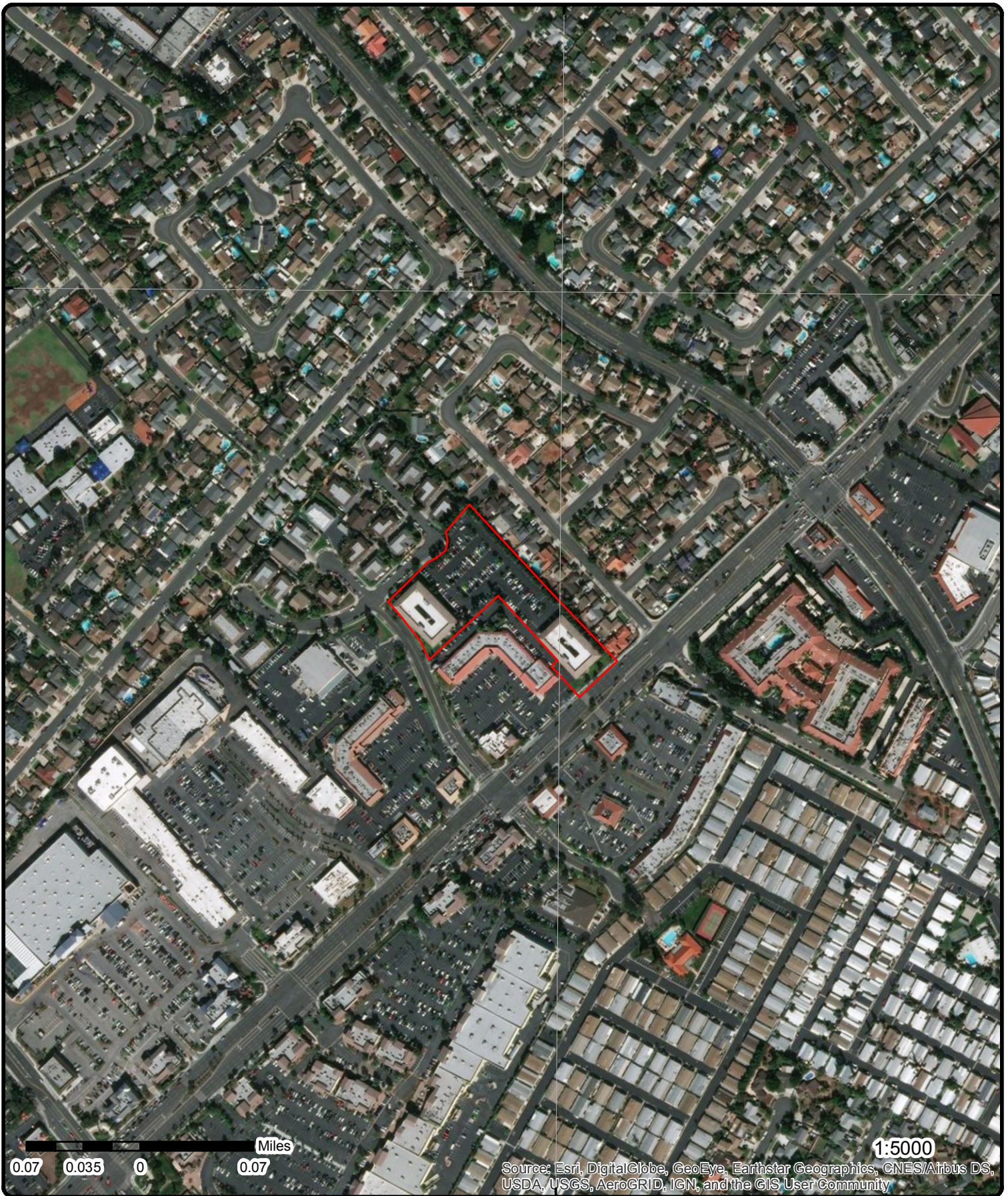




117°42'W

33°37'30"N

33°37'30"N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1:5000

**Aerial** (2016)

Order No: 20190618288

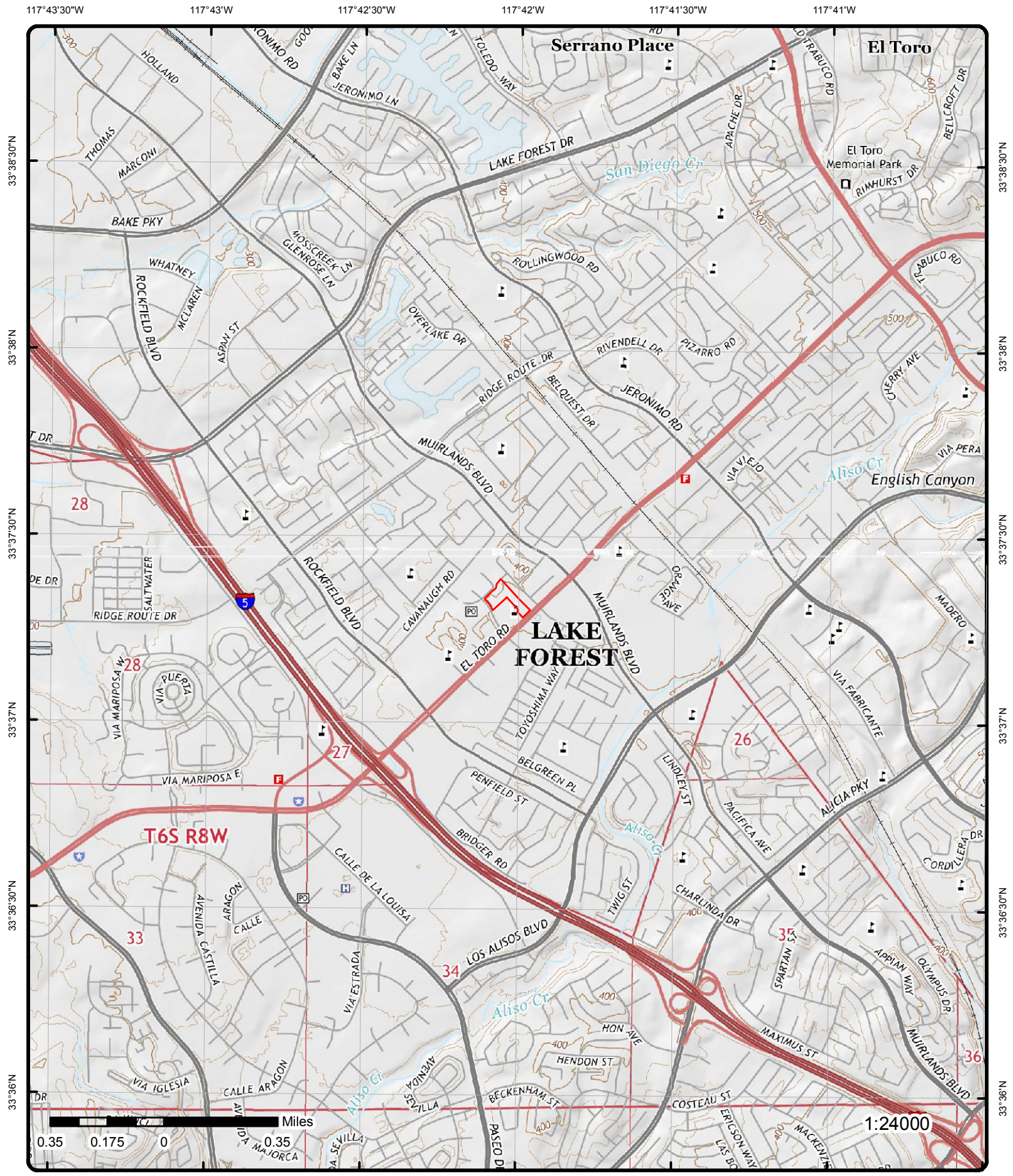
**Address: 23591 El Toro Road, Lake Forest, CA, 92630**

Source: ESRI World Imagery



© ERIS Information Inc.







# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 5	-	0.00 / 0.00	405.56 / 5	DR STEVE PARHAM 23591 EL TORO SUITE 110 LAKE FOREST CA 926300000	HAZNET
SIC Code:				Mailing City:	LAKE FOREST	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAL000110001		Mailing Zip:	926300000	
Create Date:		1/29/1993		Region Code:	4	
Fac Act Ind:		No		Owner Name:	STEVE/CYNTHIA PARHAM	
Inact Date:		1/1/1996		Owner Addr 1:	23591 EL TORO SUITE 110	
County Code:		30		Owner Addr 2:		
County Name:		Orange		Owner City:	LAKE FOREST	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		23591 EL TORO SUITE 110		Owner Zip:	926300000	
Mailing Addr 2:				Owner Phone:	7145862138	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		--				
Street Address 1:		23591 EL TORO SUITE 110				
Street Address 2:						
City:		LAKE FOREST				
State:		CA				
Zip:		926300000				
Phone:		7145862138				
--		--				
<a href="#">1</a>	2 of 5	-	0.00 / 0.00	405.56 / 5	TEKRANGE 23591 EL TORO RD STE 178 LAKE FOREST CA 92630	HAZNET
SIC Code:		9999		Mailing City:	LAKE FOREST	
NAICS Code:		99999		Mailing State:	CA	
EPA ID:		CAL000367708		Mailing Zip:	926300000	
Create Date:		9/21/2011		Region Code:	4	
Fac Act Ind:		Yes		Owner Name:	JOE HEATHERTON	
Inact Date:				Owner Addr 1:	23591 EL TORO RD STE 178	
County Code:		30		Owner Addr 2:		
County Name:		Orange		Owner City:	LAKE FOREST	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		23591 EL TORO RD STE 178		Owner Zip:	926300000	
Mailing Addr 2:				Owner Phone:	9496007090	
Owner Fax:		9496007091				
Contact Information						
--		--				
Contact Name:		JOE HEATHERTON				
Street Address 1:		23591 EL TORO RD STE 178				
Street Address 2:						
City:		LAKE FOREST				
State:		CA				
Zip:		926300000				
Phone:		9496007090				
--		--				
<a href="#">1</a>	3 of 5	-	0.00 /	405.56 /	LAKE FOREST DENTAL GROUP	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			0.00	5	23591 EL TORO SUITE 120 LAKE FOREST CA 926300000	
SIC Code:			Mailing City:			LAKE FOREST
NAICS Code:			Mailing State:			CA
EPA ID:	CAL000196550	Mailing Zip:			926300000	
Create Date:	10/16/1998	Region Code:			4	
Fac Act Ind:	No	Owner Name:			23082 - A RIDGE ROUTE DR	
Inact Date:	6/30/2001	Owner Addr 1:			23591 EL TORO SUITE 120	
County Code:	30	Owner Addr 2:				
County Name:	Orange	Owner City:			LAKE FOREST	
Mail Name:		Owner State:			CA	
Mailing Addr 1:	23082-A RIDGE ROUTE DR	Owner Zip:			926300000	
Mailing Addr 2:		Owner Phone:			9497709355	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	DR MERHVARZI					
Street Address 1:	INACTIVE PER VQ01 - BMI					
Street Address 2:						
City:	LAKE FOREST					
State:	CA					
Zip:	926300000					
Phone:	9497709355					
--		--				
1	4 of 5	-	0.00 / 0.00	405.56 / 5	AMANI SOLIMAN DDS INC 23591 EL TORO RD STE 130 LAKE FOREST CA 92630	HAZNET
SIC Code:			Mailing City:			LAKE FOREST
NAICS Code:			Mailing State:			CA
EPA ID:	CAL000365515	Mailing Zip:			926300000	
Create Date:	7/11/2011	Region Code:			4	
Fac Act Ind:	No	Owner Name:			AMANI SOLIMAN DDS INC	
Inact Date:	6/30/2015	Owner Addr 1:			23591 EL TORO RD STE 130	
County Code:	30	Owner Addr 2:				
County Name:	Orange	Owner City:			LAKE FOREST	
Mail Name:		Owner State:			CA	
Mailing Addr 1:	23591 EL TORO RD STE 130	Owner Zip:			926300000	
Mailing Addr 2:		Owner Phone:			9692069508	
Owner Fax:	9692069308					
Contact Information						
--		--				
Contact Name:	AMANI SOLIMAN					
Street Address 1:	23591 EL TORO RD STE 130					
Street Address 2:						
City:	LAKE FOREST					
State:	CA					
Zip:	926300000					
Phone:	9492069508					
--		--				
1	5 of 5	-	0.00 / 0.00	405.56 / 5	ASHRAF SOLIMAN DDS 23591 EL TORO RD STE 130 LAKE FOREST CA 926304704	HAZNET
SIC Code:			Mailing City:			LAKE FOREST
NAICS Code:			Mailing State:			CA
EPA ID:	CAL000258080	Mailing Zip:			926304704	
Create Date:	8/22/2002 9:40:50 AM	Region Code:			4	
Fac Act Ind:	No	Owner Name:			Ashraf Soliman DDS	
Inact Date:	6/30/2011	Owner Addr 1:			23591 EL TORO RD STE 130	
County Code:	30	Owner Addr 2:				
County Name:	Orange	Owner City:			LAKE FOREST	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB																												
<div><div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div>23591 EL TORO RD STE 130</div><div>0000000000</div></div> <div><div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>CA</div><div>926304704</div><div>9495978808</div></div> <div>Contact Information</div> <div>--</div> <div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div><div>State:</div><div>Zip:</div><div>Phone:</div></div><div>Ashraf Soliman DDS</div><div>23591 EL TORO RD STE 130</div><div></div><div>LAKE FOREST</div><div>CA</div><div>926304704</div><div>9495978808</div></div> <div>--</div> <tr><td><a href="#">2</a></td><td>1 of 2</td><td>SW</td><td>0.00 / 16.67</td><td>396.70 / -4</td><td>CHOICE HEALTH CENTERS 24551 Raymond Way Lake Forest CA 926304400</td><td>HAZNET</td></tr> <tr><td colspan="7"><div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000082316</div><div>4/2/1993</div><div>No</div><div>6/30/1993</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div><div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>000000000</div><div>4</div><div>ROBERT SHERMAN TOLLEY</div><div>21061 BRAIRWOOD LANE</div><div></div><div>TRABUCO CANYON</div><div>CA</div><div>926790000</div><div>7148584343</div></div><div>Contact Information</div><div>--</div><div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div><div>State:</div><div>Zip:</div><div>Phone:</div></div><div>INACTIVE PER FEES 6/93</div><div>24551 RAYMOND WAY</div><div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>7145817711</div></div><div>--</div><tr><td><a href="#">2</a></td><td>2 of 2</td><td>SW</td><td>0.00 / 16.67</td><td>396.70 / -4</td><td>CHOICE HEALTH CENTER 24551 RAYMOND WAY LAKE FOREST CA 926300000</td><td>HAZNET</td></tr><tr><td colspan="7"><div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000080634</div><div>7/28/1993</div><div>No</div><div>12/31/1899</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div><div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div><div>Contact Information</div><div>--</div><div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div></td></tr></td></tr>							<a href="#">2</a>	1 of 2	SW	0.00 / 16.67	396.70 / -4	CHOICE HEALTH CENTERS 24551 Raymond Way Lake Forest CA 926304400	HAZNET	<div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County 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State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div><div>Contact Information</div><div>--</div><div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div></td></tr>							<a href="#">2</a>	2 of 2	SW	0.00 / 16.67	396.70 / -4	CHOICE HEALTH CENTER 24551 RAYMOND WAY LAKE FOREST CA 926300000	HAZNET	<div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000080634</div><div>7/28/1993</div><div>No</div><div>12/31/1899</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div> <div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div> <div>Contact Information</div> <div>--</div> <div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div>						
<a href="#">2</a>	1 of 2	SW	0.00 / 16.67	396.70 / -4	CHOICE HEALTH CENTERS 24551 Raymond Way Lake Forest CA 926304400	HAZNET																												
<div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000082316</div><div>4/2/1993</div><div>No</div><div>6/30/1993</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div> <div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>000000000</div><div>4</div><div>ROBERT SHERMAN TOLLEY</div><div>21061 BRAIRWOOD LANE</div><div></div><div>TRABUCO CANYON</div><div>CA</div><div>926790000</div><div>7148584343</div></div> <div>Contact Information</div> <div>--</div> <div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div><div>State:</div><div>Zip:</div><div>Phone:</div></div><div>INACTIVE PER FEES 6/93</div><div>24551 RAYMOND WAY</div><div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>7145817711</div></div> <div>--</div> <tr><td><a href="#">2</a></td><td>2 of 2</td><td>SW</td><td>0.00 / 16.67</td><td>396.70 / -4</td><td>CHOICE HEALTH CENTER 24551 RAYMOND WAY LAKE FOREST CA 926300000</td><td>HAZNET</td></tr> <tr><td colspan="7"><div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000080634</div><div>7/28/1993</div><div>No</div><div>12/31/1899</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div><div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div><div>Contact Information</div><div>--</div><div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div></td></tr>							<a href="#">2</a>	2 of 2	SW	0.00 / 16.67	396.70 / -4	CHOICE HEALTH CENTER 24551 RAYMOND WAY LAKE FOREST CA 926300000	HAZNET	<div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000080634</div><div>7/28/1993</div><div>No</div><div>12/31/1899</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div> <div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div> <div>Contact Information</div> <div>--</div> <div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div>																				
<a href="#">2</a>	2 of 2	SW	0.00 / 16.67	396.70 / -4	CHOICE HEALTH CENTER 24551 RAYMOND WAY LAKE FOREST CA 926300000	HAZNET																												
<div><div><div>SIC Code:</div><div>NAICS Code:</div><div>EPA ID:</div><div>Create Date:</div><div>Fac Act Ind:</div><div>Inact Date:</div><div>County Code:</div><div>County Name:</div><div>Mail Name:</div><div>Mailing Addr 1:</div><div>Mailing Addr 2:</div><div>Owner Fax:</div></div><div></div><div></div><div>CAL000080634</div><div>7/28/1993</div><div>No</div><div>12/31/1899</div><div>30</div><div>Orange</div><div></div><div>24551 RAYMOND WAY</div><div></div><div></div></div> <div><div><div>Mailing City:</div><div>Mailing State:</div><div>Mailing Zip:</div><div>Region Code:</div><div>Owner Name:</div><div>Owner Addr 1:</div><div>Owner Addr 2:</div><div>Owner City:</div><div>Owner State:</div><div>Owner Zip:</div><div>Owner Phone:</div></div><div>LAKE FOREST</div><div>CA</div><div>926300000</div><div>4</div><div>--</div><div>--</div><div>--</div><div>--</div><div>99</div><div>--</div><div>000000000</div></div> <div>Contact Information</div> <div>--</div> <div><div><div>Contact Name:</div><div>Street Address 1:</div><div>Street Address 2:</div><div>City:</div></div><div>INACTIVE BUSINESS MOVED</div><div>ACTIVE #CAL000110563</div><div>--</div></div>																																		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State:		99				
Zip:		--				
Phone:		--				
--		--				
<a href="#">3</a>	1 of 1	SSW	0.01 / 38.06	398.13 / -2	UNITED STATES POSTAL SERVICE 24552 RAYMOND WAY LAKE FOREST CA 926309978	HAZNET
SIC Code:				Mailing City:	SANTA ANA	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAC001265040			Mailing Zip:	927117184	
Create Date:	6/9/1997			Region Code:	4	
Fac Act Ind:	No			Owner Name:	USPS	
Inact Date:	10/25/2000			Owner Addr 1:	PO BOX 21184	
County Code:	30			Owner Addr 2:		
County Name:	Orange			Owner City:	SANTA ANA	
Mail Name:	ADMINISTRATIVE SERVICES			Owner State:	CA	
Mailing Addr 1:	PO BOX 21184			Owner Zip:	927117184	
Mailing Addr 2:				Owner Phone:	7146676765	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	ED VANDER WOUDE					
Street Address 1:	PO BOX 21184					
Street Address 2:						
City:	SANTA ANA					
State:	CA					
Zip:	927117184					
Phone:	7146676765					
--		--				
<a href="#">4</a>	1 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE CLEANERS 23532 EL TORO RD LAKE FOREST CA 926300000	DRYCLEANERS
EPA ID:	CAL000138320			Owner Phone:	9499514900	
Create Date:	7/10/1995			Owner Fax:	0000000000	
Facility Act Ind:	No			Contact Name:	GEORGE BAHOU-OWNER	
Inact Date:	6/30/2014			Contact Street 1:	23532 EL TORO RD STE 3	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Orange			Contact City:	LAKE FOREST	
Region Code:	4			Contact State:	CA	
Owner Name:	GEORGE BAHOU			Contact Zip:	926304703	
Owner Street 1:	23532 EL TORO RD STE 3			Contact Phone:	9499514900	
Owner Street 2:				Mail Name:		
Owner City:	LAKE FOREST			DD Latitude:	33.620767	
Owner State:	CA			DD Longitude:	-117.699867	
Owner Zip:	926304703					
NAICS Details						
NAICS Code:	81232					
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Description:	Power Laundries, Family and Commercial					
<a href="#">4</a>	2 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE CLEANERS 23532 EL TORO BLVD EL TORO CA 926300000	DRYCLEANERS
EPA ID:	CAL000026234			Owner Phone:	0000000000	
Create Date:	5/10/1990			Owner Fax:		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> <b>Facility Act Ind:</b> No  <b>Inact Date:</b> 6/30/1995  <b>Reason:</b> Cleaners  <b>County Name:</b> Orange  <b>Region Code:</b> 4  <b>Owner Name:</b> BAHOU MICHEAL E  <b>Owner Street 1:</b> --  <b>Owner Street 2:</b> --  <b>Owner City:</b> --  <b>Owner State:</b> 99  <b>Owner Zip:</b> -- </div> <div> <b>Contact Name:</b> DEACT NON-DELIV. PER 95 FEES - P.H.  <b>Contact Street 1:</b> --  <b>Contact Street 2:</b> --  <b>Contact City:</b> 99  <b>Contact State:</b> --  <b>Contact Zip:</b> --  <b>Contact Phone:</b> --  <b>Mail Name:</b> --  <b>DD Latitude:</b> --  <b>DD Longitude:</b> -- </div> </div>						
<a href="#">4</a>	3 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE CLEANERS 23532 EL TORO RD #3 EL TORO CA 926300000	DRYCLEANERS
<div> <div> <b>EPA ID:</b> CAL000009640  <b>Create Date:</b> 11/14/1989  <b>Facility Act Ind:</b> No  <b>Inact Date:</b> 6/30/1998  <b>Reason:</b> Cleaners  <b>County Name:</b> Orange  <b>Region Code:</b> 4  <b>Owner Name:</b> BAHOU MICHAEL  <b>Owner Street 1:</b> --  <b>Owner Street 2:</b> --  <b>Owner City:</b> --  <b>Owner State:</b> 99  <b>Owner Zip:</b> -- </div> <div> <b>Owner Phone:</b> 0000000000  <b>Owner Fax:</b> --  <b>Contact Name:</b> --  <b>Contact Street 1:</b> INACT PER NONDELIVERABLE VQ98 NK  <b>Contact Street 2:</b> --  <b>Contact City:</b> 99  <b>Contact State:</b> --  <b>Contact Zip:</b> --  <b>Contact Phone:</b> --  <b>Mail Name:</b> --  <b>DD Latitude:</b> --  <b>DD Longitude:</b> -- </div> </div>						
<a href="#">4</a>	4 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE CLEANERS 23532 EL TORO RD, #3 EL TORO CA 92630	EMISSIONS
<div> <b>1987 Criteria Data</b> </div> <div> <div> <b>Facility ID:</b> 35785  <b>Facility SIC Code:</b> 7216  <b>CO:</b> 30  <b>Air Basin:</b> SC  <b>District:</b> SC  <b>COID:</b> ORA  <b>DISN:</b> SOUTH COAST AQMD  <b>CHAPIS:</b> </div> <div> <b>CERR Code:</b>  <b>TOGT:</b> 0  <b>ROGT:</b> 0  <b>COT:</b>  <b>NOXT:</b>  <b>SOXT:</b>  <b>PMT:</b>  <b>PM10T:</b> </div> </div>						
<div> <b>1987 Toxic Data</b> </div> <div> <div> <b>Facility ID:</b> 35785  <b>Facility SIC Code:</b> 7216  <b>CO:</b> 30  <b>Air Basin:</b> SC  <b>District:</b> SC  <b>TS:</b>  <b>Health Risk Asmt:</b>  <b>Non-Cancer Chronic Haz Ind:</b>  <b>Non-Cancer Acute Haz Ind:</b> </div> <div> <b>COID:</b> ORA  <b>DISN:</b> SOUTH COAST AQMD  <b>CHAPIS:</b>  <b>CERR Code:</b> </div> </div>						
<a href="#">4</a>	5 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE CLEANERS, MICHAEL 23532 EL TORO RD, #3 EL TORO CA 92630	EMISSIONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### 1990 Criteria Data

Facility ID:	81366	CERR Code:	
Facility SIC Code:	7216	TOGT:	1.9
CO:	30	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	ORA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

#### 1990 Toxic Data

Facility ID:	81366	COID:	ORA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	30	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<a href="#">4</a>	6 of 8	ESE	0.02 / 105.65	405.40 / 5	ORANGE TREE PLAZA CLEANERS 23532 EL TORO RD LAKE FOREST CA 92630-	ORANGE ICP
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Record ID:	RO0003590	Status Description:	CLOSED
Case ID:	13IC001	Case Closed Date:	5/31/2016
Released Substance(s):			
Type of Closure:	Referred to Regional Board		

<a href="#">4</a>	7 of 8	ESE	0.02 / 105.65	405.40 / 5	SALONCENTRIC INC 6034 23532 EL TORO RD STE 6 LAKE FOREST CA 92630	RCRA NON GEN
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EPA Handler ID:	CAL000394401
Gen Status Universe:	No Report
Contact Name:	JUAN CARLOS BOBEA
Contact Address:	28145 W. HARRISON PARKWAY , , VALENCIA , CA, 91355 ,
Contact Phone No and Ext:	661-295-4887
Contact Email:	JBOBEARIVAS@SALONCENTRIC.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20140226

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Underground Injection Activity:</b>	No					
<b>Commercial TSD:</b>	No					
<b>Used Oil Transporter:</b>	No					
<b>Used Oil Transfer Facility:</b>	No					
<b>Used Oil Processor:</b>	No					
<b>Used Oil Refiner:</b>	No					
<b>Used Oil Burner:</b>	No					
<b>Used Oil Market Burner:</b>	No					
<b>Used Oil Spec Marketer:</b>	No					

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20140226  
**Handler Name:** SALONCENTRIC INC 6034  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	10101 DR MARTIN LUTHER KING ST
<b>Name:</b>	SALONCENTRIC INC	<b>Street 2:</b>	SUITE 100
<b>Date Became Current:</b>		<b>City:</b>	ST. PETERSBURG
<b>Date Ended Current:</b>		<b>State:</b>	FL
<b>Phone:</b>	727-369-2623	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	33716-0000

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	28145 W. HARRISON PARKWAY
<b>Name:</b>	JUAN CARLOS BOBEA	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	VALENCIA
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	661-295-4887	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	91355

<a href="#">4</a>	8 of 8	<b>ESE</b>	<b>0.02 / 105.65</b>	<b>405.40 / 5</b>	<b>ORANGE TREE PLAZA 23532 EL TORO ROAD UNIT #3 LAKE FOREST CA 92630</b>	<b>RCRA SQG</b>
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**EPA Handler ID:** CAP000272310  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** THOMAS R BROWN  
**Contact Address:** 4305 , TORRANCE BLVD # 100 , , TORRANCE , CA, 90503 , US  
**Contact Phone No and Ext:** 310-241-0000  
**Contact Email:** BROMOHAM@MSN.COM  
**Contact Country:** US  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:** Private  
**Receive Date:** 20170427

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Onsite Burner Exemption:	No					
Furnace Exemption:	No					
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20170427  
**Handler Name:** ORANGE TREE PLAZA  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Temporary

#### Waste Code Details

**Hazardous Waste Code:** 352  
**Waste Code Description:** Other organic solids  
  
**Hazardous Waste Code:** D039  
**Waste Code Description:** TETRACHLOROETHYLENE

#### Owner/Operator Details

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b> 2125
<b>Type:</b> Private	<b>Street 1:</b> EAST KATELLA AVE STE 100
<b>Name:</b> ORANGE TREE PLAZA	<b>Street 2:</b>
<b>Date Became Current:</b> 19850101	<b>City:</b> ANAHEIM
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 310-214-0000	<b>Country:</b> US
<b>Source Type:</b> Temporary	<b>Zip Code:</b> 92806

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Private	<b>Street 1:</b>
<b>Name:</b> DR. THOMAS R BROWN	<b>Street 2:</b>
<b>Date Became Current:</b> 19850101	<b>City:</b>
<b>Date Ended Current:</b>	<b>State:</b>
<b>Phone:</b>	<b>Country:</b>
<b>Source Type:</b> Temporary	<b>Zip Code:</b>

<b>5</b>	<b>1 of 1</b>	<b>ESE</b>	<b>0.02 / 115.99</b>	<b>406.77 / 6</b>	<b>BIGSHOTS BILLIARDS BAR &amp; GRILL</b>	<b>CERS HAZ</b>
					<b>23512 EL TORO RD</b>	
					<b>LAKE FOREST CA 92630</b>	

**Site ID:** 413199  
**Latitude:** 33.621322  
**Longitude:** -117.699341

#### Regulated Programs

**EI Description:** Chemical Storage Facilities **EI ID:** 10717639

#### Evaluations

**Eval Date:** 10/15/2014



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Kristen Kelly called owner to get permission for inspection to be conducted since he was not on site. He talked to me and granted consent to conduct inspection. I let owner know that he will receive email from E-submit after I review and prepare comments. I walked through the facility, perimeter and inspected hazardous materials storage room where the Carbon Dioxide (400 pound dewar and two smaller cylinders) is stored. All required documents have been electronically submitted to E-submit and are being reviewed by this Agency. The location of storm drains and fire hydrants on site maps that have been submitted are not correct and were discussed with Ms. Kelly. A copy of the map with comments of what needs to be added/revised was left on site for owner. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	01/18/2018
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Annual certification documents submitted to CERS on 1/4/18 were reviewed and accepted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	10/24/2017
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Joe Waitman granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage area outside building. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Liquid Carbon Dioxide dewar is in a locked room in the back of building/behind kitchen. Dewar is bolted to the ground and filled from the outside. Hazardous materials management training is provided upon employment and annually thereafter. Last training was conducted on 10/17/17. Emergency contact information in maintained in kitchen area. Fire extinguishers observed throughout the facility are not shown on site map submitted electronically. Please add fire extinguishers and north arrow to site map and submit revised map during next annual certification period from January [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	01/19/2017
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Reviewed annual certification documents submitted to CERS on 1/18/17 and did not accept it since Fire Code Hazard Classes and is not listed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	11/21/2016
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Submitted RUR to change status of site from "04" to "01."; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	01/22/2018
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Reviewed and accepted revised site map that included north arrow and location of fire extinguishers.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	01/20/2017
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Accepted revised documents submitted to CERS on 1/20/17.; Note: data in [EVAL Notes] field for some records is truncated from the source.

### Affiliations

<b>Affil Type Desc:</b>	Facility Mailing Address
<b>Entity Name:</b>	Mailing Address
<b>Entity Title:</b>	
<b>Address:</b>	23512 EL TORO RD
<b>City:</b>	LAKE FOREST
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	92630
<b>Phone:</b>	

<b>Affil Type Desc:</b>	Legal Owner
<b>Entity Name:</b>	BETOR INC
<b>Entity Title:</b>	
<b>Address:</b>	27362 LOST COLT
<b>City:</b>	LA HABRA
<b>State:</b>	CA
<b>Country:</b>	United States
<b>Zip Code:</b>	90631
<b>Phone:</b>	(949) 422-3845

<b>Affil Type Desc:</b>	Document Preparer
<b>Entity Name:</b>	Chance Betor
<b>Entity Title:</b>	
<b>Address:</b>	
<b>City:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Zip Code:</b>	
<b>Phone:</b>	

<b>Affil Type Desc:</b>	CUPA District
<b>Entity Name:</b>	Orange County Env Health
<b>Entity Title:</b>	
<b>Address:</b>	1241 East Dyer RoadSuite 120
<b>City:</b>	Santa Ana
<b>State:</b>	CA
<b>Country:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Zip Code:		92705-5611				
Phone:		(714) 433-6000				
Affil Type Desc:		Identification Signer				
Entity Name:		Chance Betor				
Entity Title:		Pres				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Chance Betor				
Entity Title:						
Address:		27362 Lost Colt				
City:		Laguna Hills				
State:		CA				
Country:						
Zip Code:		92653				
Phone:						
Affil Type Desc:		Operator				
Entity Name:		Chance Betor				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(949) 422-3845				
Affil Type Desc:		Parent Corporation				
Entity Name:		BIGSHOTS BILLIARDS BAR & GRILL				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
<hr/>						
<a href="#">6</a>	1 of 11	S	0.03 / 161.26	402.71 / 2	O'Reilly Auto Parts #2940 24601 RAYMOND WAY LAKE FOREST CA 92630	CERS HAZ
Site ID:		139250				
Latitude:		33.621483				
Longitude:		-117.700607				
<hr/>						
<b><u>Regulated Programs</u></b>						
El Description:		Hazardous Waste Generator		El ID:	10435219	
El Description:		Chemical Storage Facilities		El ID:	10435219	
<hr/>						
<b><u>Evaluations</u></b>						
Eval Date:		05/24/2016				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Orange County Environmental Health				
Eval Program:		HMRPP				
Eval Source:		CERS				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Eval Notes:

The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Grant Figueroa. During the inspection the following was observed: Reviewed list of chemicals stored onsite and online. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online. Completely reviewed and approved online CUPA form submittal on California Environmental Reporting System (CERS) For more information regarding Hazardous Materials Disclosure, or to sign up for our eNewsletter please visit <http://www.occupainfo.com/> ; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 04/16/2016  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

2016 review: CERS - 2 HazMat = HW - accepted; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 05/24/2016  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HW  
**Eval Source:** CERS  
**Eval Notes:**

Onsite to conduct a routine hazardous waste inspection. Met with Grant Figueroa. Inspected used oil, drained used oil/fuel filters, absorbent, waste returns and product breaks. Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business hours. Please continue to ensure all [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 03/25/2017  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

CERS 10435219 Accepted 2017 Annual Certification for the following elements: Facility Information Chemical Inventory Emergency Response and Training Plan ; Note: data in [EVAL Notes] field for some records is truncated from the source.

#### Affiliations

**Affil Type Desc:** Facility Mailing Address  
**Entity Name:** Mailing Address  
**Entity Title:**  
**Address:** Verisk 3E, Regulatory Dept./O'Reilly Auto, 3207 Grey Hawk Ct, Ste 200  
**City:** Carlsbad  
**State:** CA  
**Country:**  
**Zip Code:** 92010  
**Phone:**

**Affil Type Desc:** Parent Corporation  
**Entity Name:** O'Reilly Auto Parts



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>						
<b>Affil Type Desc:</b> Document Preparer <b>Entity Name:</b> Erin Baltazar, Agent for O'Reilly Auto Enterprises, L.L.C. <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>						
<b>Affil Type Desc:</b> CUPA District <b>Entity Name:</b> Orange County Env Health <b>Entity Title:</b> <b>Address:</b> 1241 East Dyer Road Suite 120 <b>City:</b> Santa Ana <b>State:</b> CA <b>Country:</b> <b>Zip Code:</b> 92705-5611 <b>Phone:</b> (714) 433-6000						
<b>Affil Type Desc:</b> Environmental Contact <b>Entity Name:</b> Verisk 3E, Regulatory Department/O'Reilly Auto Parts <b>Entity Title:</b> <b>Address:</b> 3207 Grey Hawk Court, Suite 200 <b>City:</b> Carlsbad <b>State:</b> CA <b>Country:</b> <b>Zip Code:</b> 92010 <b>Phone:</b>						
<b>Affil Type Desc:</b> Legal Owner <b>Entity Name:</b> O'Reilly Auto Enterprises, L.L.C. <b>Entity Title:</b> <b>Address:</b> 702 E. Bethany Home Road <b>City:</b> Phoenix <b>State:</b> AZ <b>Country:</b> United States <b>Zip Code:</b> 85014 <b>Phone:</b> (417) 862-3333						
<b>Affil Type Desc:</b> Identification Signer <b>Entity Name:</b> Erin Baltazar, Agent for O'Reilly Auto Enterprises, L.L.C. <b>Entity Title:</b> Regulatory Compliance Specialist, Verisk 3E <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>						
<b>Affil Type Desc:</b> Operator <b>Entity Name:</b> O'Reilly Auto Enterprises, L.L.C. <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b> (417) 862-3333						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b><u>Coordinates</u></b>						
Env Int Type Code:	HWG			Longitude:	-117.700610	
Program ID:	10435219			Coord Name:		
Latitude:	33.621480			Ref Point Type Desc:	Center of a facility or station.	
<a href="#">6</a>	2 of 11	S	0.03 / 161.26	402.71 / 2	<b>CROWN CLEANERS</b> 24601 RAYMOND WAY UNIT 15 EL TORO CA 926300000	<b>DRYCLEANERS</b>
EPA ID:	CAL000225344			Owner Phone:	9498553148	
Create Date:	11/15/2001			Owner Fax:		
Facility Act Ind:	No			Contact Name:	MOHAMMED DANESHFAR	
Inact Date:	6/30/2005 10:01:00 AM			Contact Street 1:	24601 RAYMOND WAY UNIT 15	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Orange			Contact City:	EL TORO	
Region Code:	4			Contact State:	CA	
Owner Name:	M DANESHFAR			Contact Zip:	926300000	
Owner Street 1:	24601 RAYMOND WAY STE 15			Contact Phone:	9498553148	
Owner Street 2:				Mail Name:	MOHAMMED DANESHFAR	
Owner City:	EL TORO			DD Latitude:	33.621693	
Owner State:	CA			DD Longitude:	-117.701502	
Owner Zip:	926300000					
<b><u>NAICS Details</u></b>						
NAICS Code:	81232					
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Description:	Power Laundries, Family and Commercial					
<a href="#">6</a>	3 of 11	S	0.03 / 161.26	402.71 / 2	<b>CROWN CLEANERS</b> 24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	<b>DRYCLEANERS</b>
EPA ID:	CAL000300257			Owner Phone:	9498553148	
Create Date:	11/10/2005 9:40:44 AM			Owner Fax:		
Facility Act Ind:	No			Contact Name:	ARMINDA ZAVALA	
Inact Date:	6/30/2009			Contact Street 1:	1222 MAPLE ST	
Reason:	SIC/NAICS			Contact Street 2:		
County Name:	Orange			Contact City:	SANTA ANA	
Region Code:	4			Contact State:	CA	
Owner Name:	JAVIER ZAVALA			Contact Zip:	927071304	
Owner Street 1:	1222 MAPLE ST			Contact Phone:	9498553148	
Owner Street 2:				Mail Name:		
Owner City:	SANTA ANA			DD Latitude:	33.621674	
Owner State:	CA			DD Longitude:	-117.701467	
Owner Zip:	927071304					
<b><u>NAICS Details</u></b>						
NAICS Code:	81232					
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)					
SIC Code:	7211					
SIC Description:	Power Laundries, Family and Commercial					
<a href="#">6</a>	4 of 11	S	0.03 / 161.26	402.71 / 2	<b>MOHAMMAD BANASHFAT DBA</b> <b>CROWN CLEANERS</b> 24601 RAYMOND WAY STE 15 LAKE FOREST CA 926304460	<b>DRYCLEANERS</b>
EPA ID:	CAL000235952			Owner Phone:	9498553148	
Create Date:	12/24/2001			Owner Fax:		
Facility Act Ind:	No			Contact Name:	MOHAMMAD BANASHFAT	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Inact Date:</b>	6/30/2002				<b>Contact Street 1:</b> 24601 RAYMOND WAY STE 15	
<b>Reason:</b>	SIC/NAICS				<b>Contact Street 2:</b>	
<b>County Name:</b>	Orange				<b>Contact City:</b> LAKE FOREST	
<b>Region Code:</b>	4				<b>Contact State:</b> CA	
<b>Owner Name:</b>	MOHAMMAD BANASHFAT				<b>Contact Zip:</b> 926304460	
<b>Owner Street 1:</b>	24601 RAYMOND WAY STE 15				<b>Contact Phone:</b> 9498553148	
<b>Owner Street 2:</b>					<b>Mail Name:</b> MOHAMMAD BANASHFAT	
<b>Owner City:</b>	LAKE FOREST				<b>DD Latitude:</b> 33.622036	
<b>Owner State:</b>	CA				<b>DD Longitude:</b> -117.701778	
<b>Owner Zip:</b>	926304460					
<hr/>						
<b><u>NAICS Details</u></b>						
<b>NAICS Code:</b>	81232					
<b>NAICS Description:</b>	Drycleaning and Laundry Services (except Coin-Operated)					
<b>SIC Code:</b>	7211					
<b>SIC Description:</b>	Power Laundries, Family and Commercial					
<hr/>						
<a href="#"><u>6</u></a>	5 of 11	S	0.03 / 161.26	402.71 / 2	<b>CROWN CLEANERS</b> 24601 RAYMOND WAY EL TORO CA 926300000	<b>DRYCLEANERS</b>
<hr/>						
<b>EPA ID:</b>	CAL000171875				<b>Owner Phone:</b> 9498553148	
<b>Create Date:</b>	1/28/1998				<b>Owner Fax:</b>	
<b>Facility Act Ind:</b>	No				<b>Contact Name:</b> ZHALEH AFRAS/PARTNER	
<b>Inact Date:</b>	6/30/2001				<b>Contact Street 1:</b> NEW OWNER VQ01,MB	
<b>Reason:</b>	Cleaners				<b>Contact Street 2:</b>	
<b>County Name:</b>	Orange				<b>Contact City:</b> EL TORO	
<b>Region Code:</b>	4				<b>Contact State:</b> CA	
<b>Owner Name:</b>	AFRAS CORP DBA CROWN CLEANERS				<b>Contact Zip:</b> 926300000	
<b>Owner Street 1:</b>	24601 RAYMOND #15				<b>Contact Phone:</b> 7148553148	
<b>Owner Street 2:</b>					<b>Mail Name:</b>	
<b>Owner City:</b>	LAKE FOREST				<b>DD Latitude:</b>	
<b>Owner State:</b>	CA				<b>DD Longitude:</b>	
<b>Owner Zip:</b>	926300000					
<hr/>						
<a href="#"><u>6</u></a>	6 of 11	S	0.03 / 161.26	402.71 / 2	<b>CROWN 1 HOUR CLEANERS, A. TAHB</b> 24601 RAYMOND WAY #15 EL TORO CA 92630	<b>EMISSIONS</b>
<hr/>						
<b><u>1990 Criteria Data</u></b>						
<b>Facility ID:</b>	54258				<b>CERR Code:</b>	
<b>Facility SIC Code:</b>	7216				<b>TOGT:</b> .8	
<b>CO:</b>	30				<b>ROGT:</b> 0	
<b>Air Basin:</b>	SC				<b>COT:</b>	
<b>District:</b>	SC				<b>NOXT:</b>	
<b>COID:</b>	ORA				<b>SOXT:</b>	
<b>DISN:</b>	SOUTH COAST AQMD				<b>PMT:</b>	
<b>CHAPIS:</b>					<b>PM10T:</b>	
<hr/>						
<b><u>1990 Toxic Data</u></b>						
<b>Facility ID:</b>	54258				<b>COID:</b> ORA	
<b>Facility SIC Code:</b>	7216				<b>DISN:</b> SOUTH COAST AQMD	
<b>CO:</b>	30				<b>CHAPIS:</b>	
<b>Air Basin:</b>	SC				<b>CERR Code:</b>	
<b>District:</b>	SC					
<b>TS:</b>						
<b>Health Risk Asmt:</b>						
<b>Non-Cancer Chronic Haz Ind:</b>						
<b>Non-Cancer Acute Haz Ind:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">6</a>	7 of 11	S	0.03 / 161.26	402.71 / 2	CROWN 1 HOUR CLEANERS 24601 RAYMOND WAY #15 EL TORO CA 92630	EMISSIONS

#### 1987 Criteria Data

Facility ID:	54258	CERR Code:	
Facility SIC Code:	7216	TOGT:	.8
CO:	30	ROGT:	0
Air Basin:	SC	COT:	
District:	SC	NOXT:	
COID:	ORA	SOXT:	
DISN:	SOUTH COAST AQMD	PMT:	
CHAPIS:		PM10T:	

#### 1987 Toxic Data

Facility ID:	54258	COID:	ORA
Facility SIC Code:	7216	DISN:	SOUTH COAST AQMD
CO:	30	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<a href="#">6</a>	8 of 11	S	0.03 / 161.26	402.71 / 2	FORMER CROWN CLEANERS 24601 RAYMOND WAY LAKE FOREST CA 92603	CLEANUP SITES
Global ID:	T10000009409			Site Facility Type:	CLEANUP PROGRAM SITE	
Status:	OPEN - ACTIVE			County:	ORANGE	
Status Date:	2016-09-26 00:00:00			Latitude:	33.6217236041589	
Site Code:				Longitude:	-117.700267406082	
Data Source:	Cleanup Program Sites from GeoTracker Search: Cleanup Sites from GeoTracker Cleanup Sites Data Download					

#### Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	2080155	CUF Case:	NO
Local Case Number:		Case Worker:	MB
Begin Date:	2016-09-23 00:00:00	File Location:	Regional Board
Stop Method:			
Lead Agency:	SANTA ANA RWQCB (REGION 8)		
Local Agency:			
Potential COC:	Tetrachloroethylene (PCE)		
Potential Media of Concern:	Other Groundwater (uses other than drinking water), Soil		
How Discovered:			
How Discovered Description:			
Stop Description:			
Calwater Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)		
DWR GW Subbasin Name:	Coastal Plain Of Orange County (8-001)		
Disadvantaged Community:			
Site History:			

The site is located in 24601 RAYMOND WAY LAKE FOREST , CA 92603. Bell Tower Shopping Center contains eighteen tenant spaces one of which (Unit 15) has operated as a dry cleaners from approximately 1978 to present. Based upon information from the California Department of Water Resources and nearby groundwater monitoring wells, groundwater was estimated to be less than 35 feet below grade.

#### Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-07-05 00:00:00				
<b>Action:</b>		Annual Estimation Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-11-16 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-11-09 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-09-28 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-08-29 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-05-26 00:00:00				
<b>Action:</b>		Notice to Comply				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-05-12 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-05-09 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-03-03 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-03-02 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-01-25 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-01-12 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-12-22 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-26 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-23 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-08-08 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

**Status:** Open - Active

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Status Date: 2016-09-26 00:00:00

Status: Open - Case Begin Date

Status Date: 2016-09-23 00:00:00

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

Contact Type:	Regional Board Caseworker	Address:	3737 Main St, Suite 500
Contact Name:	Mona Behrooz	City:	RIVERSIDE
Phone Number:	9517823237		
Organization Name:	SANTA ANA RWQCB (REGION 8)		
Email:	mehrnoosh.behrooz@waterboards.ca.gov		

**Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

Project Status:	WDR Place Type:
CUF Claim:	WDR File:
CUF Priority Assign:	WDR Order:
CUF Amount Paid:	File Location:
User Defined Beneficial Use:	REGIONAL BOARD
Designated Beneficial Use:	
Project Oversight Agencies:	
Report Link:	http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000009409
Cleanup Status Detail:	OPEN - ACTIVE AS OF 9/26/2016
Cleanup History Link:	http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000009409&tabname=regulatoryhistory
Potential COC:	TETRACHLOROETHYLENE (PCE)
Potential Media Of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
DWR GW Sub Basin:	Coastal Plain Of Orange County (8-001)
Calwater Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 2080155
	CASEWORKER: Mona Behrooz

**Site History:**

The site is located in 24601 RAYMOND WAY LAKE FOREST , CA 92603. Bell Tower Shopping Center contains eighteen tenant spaces one of which (Unit 15) has operated as a dry cleaners from approximately 1978 to present. Based upon information from the California Department of Water Resources and nearby groundwater monitoring wells, groundwater was estimated to be less than 35 feet below grade.

**Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

Action Type:	Other Regulatory Actions
Action Date:	7/5/2018
Received Issue Date:	7/5/2018
Action:	Annual Estimation Letter
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6363207&temp table=ENFORCEMENT

**Title Description Comments:**

Former Crown Cleaners Annual Cost Recovery Program

Action Type:	Other Regulatory Actions
Action Date:	11/16/2017
Received Issue Date:	11/16/2017
Action:	Technical Correspondence / Assistance / Other
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6341671&temp table=ENFORCEMENT

**Title Description Comments:**

RE RE 3rd QRT Groundwater Monitoring Report



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/16/2017				
<b>Received Issue Date:</b>		11/16/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341669&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341669&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE CRown Cleaners Well Installation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/9/2017				
<b>Received Issue Date:</b>		11/9/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6340721&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6340721&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE 3rd QRT 2017 Groundwater Monitoring Report						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/28/2017				
<b>Received Issue Date:</b>		9/28/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6337630&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6337630&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Well Installation Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/29/2017				
<b>Received Issue Date:</b>		8/29/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6335082&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6335082&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Groundwater Investigation Report						
<b>Action Type:</b>		Enforcement/Orders				
<b>Action Date:</b>		5/26/2017				
<b>Received Issue Date:</b>		5/26/2017				
<b>Action:</b>		Notice to Comply				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6321230&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6321230&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Crown_Cleaners_NOTICE OF NON_COMPLIANCE						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		5/12/2017				
<b>Received Issue Date:</b>		5/12/2017				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319777&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319777&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Annual Cost Estimate						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		5/9/2017				
<b>Received Issue Date:</b>		5/9/2017				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319450&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319450&amp;temp table=ENFORCEMENT</a>				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
table=ENFORCEMENT						
Title Description Comments:						
Crown_Cleaners_Communication_Request						
Action Type:	Other Regulatory Actions					
Action Date:	3/3/2017					
Received Issue Date:	3/3/2017					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6313273&temp table=ENFORCEMENT					
Title Description Comments:						
RE Groundwater Investigation Work Plan						
Action Type:	Other Regulatory Actions					
Action Date:	3/3/2017					
Received Issue Date:	3/3/2017					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6313271&temp table=ENFORCEMENT					
Title Description Comments:						
RE Soil Vapor Mitigation Plan						
Action Type:	Other Regulatory Actions					
Action Date:	3/2/2017					
Received Issue Date:	3/2/2017					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6313267&temp table=ENFORCEMENT					
Title Description Comments:						
Crown cleaner-GW Monitoring Program						
Action Type:	Notices					
Action Date:	1/25/2017					
Received Issue Date:	1/25/2017					
Action:	Letter - Notice					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6309744&temp table=ENFORCEMENT					
Title Description Comments:						
Crown Cleaners Meeting Summary_Jan25_2017						
Action Type:	Other Regulatory Actions					
Action Date:	1/12/2017					
Received Issue Date:	1/12/2017					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:						
Title Description Comments:						
Request for Reports						
Action Type:	Other Regulatory Actions					
Action Date:	12/22/2016					
Received Issue Date:	12/22/2016					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&enforcement_id=6307069&temp table=ENFORCEMENT					
Title Description Comments:						
Crown_Cleaners_Comments_CSM						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/26/2016				
<b>Received Issue Date:</b>		9/26/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299227&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299227&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Former Crown Cleaners-Preliminary CSM						
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		9/23/2016				
<b>Received Issue Date:</b>		9/23/2016				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299117&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299117&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Cost Recovery Agreement						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		8/8/2016				
<b>Received Issue Date:</b>						
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009409&amp;doc_id=5905715">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009409&amp;doc_id=5905715</a>				
<b>Title Description Comments:</b>						
<b><u>Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)</u></b>						
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>				<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>	21,407 KB					
<b>Title:</b>	UNKNOWN - 2 <sup>nd</sup> QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8249943375/2Q2016%2E080816%2Epdf">http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8249943375/2Q2016%2E080816%2Epdf</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	1/15/2019			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	7,416 KB					
<b>Title:</b>	4TH QUARTER 2018 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6615591883/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6615591883/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/15/2018			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	11,346 KB					
<b>Title:</b>	3RD QTR 2018 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4501685023/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4501685023/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	7/15/2018			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	11,043 KB					
<b>Title:</b>	2ND QUARTER 2018 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4393057703/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4393057703/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	7/5/2018			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	FORMER CROWN CLEANERS ANNUAL COST RECOVERY PROGRAM					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6363207">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6363207</a>					
<b>Type:</b>	ANNUAL ESTIMATION LETTER					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	4/14/2018			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9285333454/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9285333454/T10000009409.PDF</a>	
Type:					MONITORING REPORT - QUARTERLY	
Document Type:	Monitoring Reports			Submitted:		
Document Date:	1/15/2018			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Size :	11,550 KB					
Title:					4TH QUARTER 2017 GROUNDWATER MONITORING REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7157030105/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7157030105/T10000009409.PDF</a>	
Type:					MONITORING REPORT - QUARTERLY	
Document Type:	Monitoring Reports			Submitted:		
Document Date:	1/2/2018			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Size :	3,582 KB					
Title:					GROUNDWATER WELL INSTALLATION REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5653724372/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5653724372/T10000009409.PDF</a>	
Type:					MONITORING REPORT - QUARTERLY	
Document Type:	Site Documents			Submitted:		
Document Date:	11/16/2017			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					RE CROWN CLEANERS WELL INSTALLATION	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341669">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341669</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Site Documents			Submitted:		
Document Date:	11/16/2017			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					RE RE 3RD QRT GROUNDWATER MONITORING REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341671">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6341671</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Site Documents			Submitted:		
Document Date:	11/9/2017			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					RE 3RD QRT 2017 GROUNDWATER MONITORING REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6340721">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6340721</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Monitoring Reports			Submitted:		
Document Date:	10/12/2017			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Size :	9,452 KB					
Title:					3RD QTR 2017 GROUNDWATER MONITORING REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7494787812/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7494787812/T10000009409.PDF</a>	
Type:					MONITORING REPORT - QUARTERLY	
Document Type:	Site Documents			Submitted:		
Document Date:	9/28/2017			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					RE WELL INSTALLATION WORK PLAN	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6337630">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6337630</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Site Documents			Submitted:		
Document Date:	8/29/2017			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					RE GROUNDWATER INVESTIGATION REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6335082">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6335082</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Monitoring Reports			Submitted:		
Document Date:	7/14/2017			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Size :	9,488 KB					
Title:					2ND QUARTER 2017 GROUNDWATER MONITORING REPORT	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4053918659/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4053918659/T10000009409.PDF</a>	
Type:					MONITORING REPORT - QUARTERLY	
Document Type:	Site Documents			Submitted:		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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					SOIL GAS INVESTIGATION REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8279594123/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8279594123/T10000009409.PDF</a> SOIL VAPOR INTRUSION INVESTIGATION REPORT	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 6/19/2017 6,252 KB				<b>Submitted:</b> <b>Submitted By:</b> C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
					GROUNDWATER INVESTIGATION REPORT FORMER CROWN CLEANERS <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2924789667/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2924789667/T10000009409.PDF</a> OTHER REPORT / DOCUMENT	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 5/26/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					CROWN_CLEANERS_NOTICE OF NON_COMPLIANCE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6321230">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6321230</a> NOTICE TO COMPLY	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 5/12/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					ANNUAL COST ESTIMATE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319777">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319777</a> LETTER - NOTICE	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 5/9/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					CROWN_CLEANERS_COMMUNICATION_REQUEST <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319450">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6319450</a> LETTER - NOTICE	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Monitoring Reports 4/20/2017 5,122 KB				<b>Submitted:</b> <b>Submitted By:</b> C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
					1ST QUARTER 2017, GROUNDWATER MONITORING REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3136034011/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3136034011/T10000009409.PDF</a> MONITORING REPORT - QUARTERLY	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 3/3/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					RE SOIL VAPOR MITIGATION PLAN <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313271">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313271</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 3/3/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					RE GROUNDWATER INVESTIGATION WORK PLAN <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313273">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313273</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 3/2/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					CROWN CLEANER-GW MONITORING PROGRAM <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313267">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6313267</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 2/17/2017 2,274 KB				<b>Submitted:</b> <b>Submitted By:</b> C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
					SOIL VAPOR MITIGATION PLAN <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4878296136/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4878296136/T10000009409.PDF</a> SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	2/17/2017			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	4,070 KB					
<b>Title:</b>	GROUNDWATER INVESTIGATION WORK PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1881669998/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1881669998/T10000009409.PDF</a>					
<b>Type:</b>	SITE INVESTIGATION WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	2/17/2017			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	2,048 KB					
<b>Title:</b>	GROUNDWATER MONITORING PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6772681891/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6772681891/T10000009409.PDF</a>					
<b>Type:</b>	GROUNDWATER MONITORING PLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	1/25/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	CROWN CLEANERS MEETING SUMMARY_JAN25_2017					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6309744">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6309744</a>					
<b>Type:</b>	LETTER - NOTICE					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	1/24/2017			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	8,886 KB					
<b>Title:</b>	4TH QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1091926276/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1091926276/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	12/22/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	CROWN_CLEANERS_COMMENTS_CSM					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6307069">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6307069</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/14/2016			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	2,219 KB					
<b>Title:</b>	PRELIMINARY CONCEPTUAL SITE MODEL					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9658790290/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9658790290/T10000009409.PDF</a>					
<b>Type:</b>	CONCEPTUAL SITE MODEL					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/31/2016			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	5,790 KB					
<b>Title:</b>	3RD QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3741995453/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3741995453/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/26/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	FORMER CROWN CLEANERS-PRELIMINARY CSM					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299227">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299227</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/23/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	COST RECOVERY AGREEMENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299117">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009409&amp;enforcement_id=6299117</a>					
<b>Type:</b>	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	8/8/2016			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Size :</b>	21,407 KB					
<b>Title:</b>	2ND QTR 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2673097610/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2673097610/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	4/18/2016				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	16,923 KB					
<b>Title:</b>	1ST QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8309051752/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8309051752/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	1/27/2016				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	19,566 KB					
<b>Title:</b>	4TH QUARTER 2015 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7701654791/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7701654791/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	8/20/2015				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	7,419 KB					
<b>Title:</b>	2ND QUARTER 2015 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5396859943/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5396859943/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	5/1/2015				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	8,507 KB					
<b>Title:</b>	1ST QUARTER 2015 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8284639358/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8284639358/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	12/1/2014				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	9,031 KB					
<b>Title:</b>	3RD QTR 2014 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6819648444/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6819648444/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	5/5/2014				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	3,320 KB					
<b>Title:</b>	1ST QUARTER 2014 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4847017288/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4847017288/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	10/24/2013				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	5,321 KB					
<b>Title:</b>	3RD QTR 2013 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6294714391/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6294714391/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	7/19/2013				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	3,123 KB					
<b>Title:</b>	2ND QUARTER 2013 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4453605353/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4453605353/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	4/17/2013				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	2,340 KB					
<b>Title:</b>	1ST QUARTER 2013 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5810171723/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5810171723/T10000009409.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports				<b>Submitted:</b>	
<b>Document Date:</b>	4/30/2012				<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)
<b>Size :</b>	10,790 KB					
<b>Title:</b>	1ST QUARTER 2012 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7111162185/T10000009409.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7111162185/T10000009409.PDF</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Type:

MONITORING REPORT - QUARTERLY

Document Type:

Site Documents

Submitted:

Document Date:

8/11/2011

Submitted By:

C. JAMES & ASSOCIATES, INC. (AUTH\_RP)

Size :

11,172 KB

Title:

SUBSURFACE ENVIRONMENTAL INVESTIGATION, GROUNDWATER MONITORING WELL INSTALLATION

Title Link:

http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/3745566010/T10000009409.PDF

Type:

WELL INSTALLATION REPORT

Document Type:

Site Documents

Submitted:

Document Date:

12/20/2010

Submitted By:

C. JAMES & ASSOCIATES, INC. (AUTH\_RP)

Size :

9,100 KB

Title:

PHASE II ENVIRONMENTAL ASSESSMENT

Title Link:

http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/7684713959/T10000009409.PDF

Type:

SITE INVESTIGATION

**Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

Title:

GEO\_MAP

Submitted By:

C. JAMES & ASSOCIATES, INC. (AUTH\_RP)

Size :

74 KB

Submitted:

1/11/2018

Link:

http://geotracker.waterboards.ca.gov/esi/uploads/geo\_map/1766226649/T10000009409.PDF

Title:

MW-12 (MW-12)

Submitted By:

C. JAMES & ASSOCIATES, INC. (AUTH\_RP)

Size :

102 KB

Submitted:

1/11/2018

Link:

http://geotracker.waterboards.ca.gov/esi/uploads/geo\_bore/3099952399/T10000009409.PDF

Title:

MW-11 (MW-11)

Submitted By:

C. JAMES & ASSOCIATES, INC. (AUTH\_RP)

Size :

102 KB

Submitted:

1/11/2018

Link:

http://geotracker.waterboards.ca.gov/esi/uploads/geo\_bore/5264212906/T10000009409.PDF

**Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

Status:

Open - Active

Date :

9/26/2016

Status:

Open - Case Begin Date

Date :

9/23/2016

6

9 of 11

S

0.03 / 161.26

402.71 / 2

OREILLY AUTO PARTS #2940  
24601 RAYMOND WAY  
LAKE FOREST CA 92630

ORANGE HW

Facility ID:

FA0058199

6

10 of 11

S

0.03 / 161.26

402.71 / 2

CARLEN PLAZA - CROWN CLEANERS  
24601 RAYMOND WAY  
LAKE FOREST CA 92630-

ORANGE ICP

Record ID:

RO0003553

Status Description:

CLOSED

Case ID:

11IC001

Case Closed Date:

8/18/2016

Released Substance(s):

Type of Closure:

Referred to Regional Board

6

11 of 11

S

0.03 / 161.26

402.71 / 2

O'REILLY AUTO PARTS STORE  
2940  
24601 RAYMOND WAY  
LAKE FOREST CA 92630

RCRA  
NON GEN

EPA Handler ID:

CAL000392709

Gen Status Universe:

No Report

Contact Name:

JOHN BOUNDS



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Contact Address:</b>		233 S. PATTERSON AVE. , , SPRINGFIELD , MO, 65802 ,				
<b>Contact Phone No and Ext:</b>		417-520-4589				
<b>Contact Email:</b>		JBOUNDS2@OREILLYAUTO.COM				
<b>Contact Country:</b>						
<b>County Name:</b>		ORANGE				
<b>EPA Region:</b>		09				
<b>Land Type:</b>						
<b>Receive Date:</b>		20140110				
<b><u>Violation/Evaluation Summary</u></b>						
<b>Note:</b>		NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).				
<b><u>Handler Summary</u></b>						
<b>Importer Activity:</b>		No				
<b>Mixed Waste Generator:</b>		No				
<b>Transporter Activity:</b>		Yes				
<b>Transfer Facility:</b>		No				
<b>Onsite Burner Exemption:</b>		No				
<b>Furnace Exemption:</b>		No				
<b>Underground Injection Activity:</b>		No				
<b>Commercial TSD:</b>		No				
<b>Used Oil Transporter:</b>		No				
<b>Used Oil Transfer Facility:</b>		No				
<b>Used Oil Processor:</b>		No				
<b>Used Oil Refiner:</b>		No				
<b>Used Oil Burner:</b>		No				
<b>Used Oil Market Burner:</b>		No				
<b>Used Oil Spec Marketer:</b>		No				
<b><u>Hazardous Waste Handler Details</u></b>						
<b>Sequence No:</b>		1				
<b>Receive Date:</b>		20140110				
<b>Handler Name:</b>		O'REILLY AUTO PARTS STORE 2940				
<b>Generator Status Universe:</b>		No Report				
<b>Source Type:</b>		Implementer				
<b><u>Owner/Operator Details</u></b>						
<b>Owner/Operator Ind:</b>		Current Owner			<b>Street No:</b>	
<b>Type:</b>		Other			<b>Street 1:</b> 233 S PATTERSON	
<b>Name:</b>		O'REILLY AUTO PARTS			<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b> SPRINGFIELD	
<b>Date Ended Current:</b>					<b>State:</b> MO	
<b>Phone:</b>		417-862-3333			<b>Country:</b>	
<b>Source Type:</b>		Implementer			<b>Zip Code:</b> 65802-0000	
<b>Owner/Operator Ind:</b>		Current Operator			<b>Street No:</b>	
<b>Type:</b>		Other			<b>Street 1:</b> 233 S. PATTERSON AVE.	
<b>Name:</b>		JOHN BOUNDS			<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b> SPRINGFIELD	
<b>Date Ended Current:</b>					<b>State:</b> MO	
<b>Phone:</b>		417-520-4589			<b>Country:</b>	
<b>Source Type:</b>		Implementer			<b>Zip Code:</b> 65802	
<a href="#">7</a>	1 of 2	SE	0.03 / 169.40	400.73 / 0	Sizzler Restaurant #409 23501 EL TORO RD LAKE FOREST CA 92630	CERS HAZ

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Latitude:	33.620946
Longitude:	-117.700205

#### Regulated Programs

El Description:	Chemical Storage Facilities	El ID:	10472596
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#### Evaluations

Eval Date:	01/24/2017
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Reviewed and accepted annual certification documents submitted to CERS on 1/19/17.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	07/11/2015
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Documents submitted to CERS on 5/20/15 were reviewed and accepted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	05/07/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

On site to conduct hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility and inspected hazardous material storage area in back of building/next to kitchen area. There has been no changes in types and/or volumes of the hazardous material stored on site since last inspection or previous reporting period. Business has seven (76 pounds/616 cubic feet) cylinders of carbon dioxide gas. Cylinders are chained to the wall. Hazardous materials management training is provided annually and training records are available on site. Emergency contact information is posted in manager's office. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	06/02/2017
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Reviewed and accepted Facility Information documents submitted to CERS on 6/1/17. Updated contact information in EC.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	02/17/2016
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Reviewed and accepted annual certification documents submitted to CERS on 2/16/16.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	04/28/2015
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Inspector Comments: I walked through the facility and inspected hazardous materials storage area. Christina Slack granted consent to conduct inspection. I verified the location of carbon dioxide cylinder and fire extinguishers as reported in CERS. Facility has four managers that are trained on how to shut off carbon dioxide cylinder if necessary.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	01/17/2018
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Annual certification documents submitted to CERS on 12/29/17 were reviewed and conditionally accepted with request to update inventory forms with new Federal Hazard Categories and add location of fire hydrant (one observed at corner of El Toro Rd. and Raymond) on site map.; Note: data in [EVAL Notes] field for some records is truncated from the source.

#### Affiliations

<b>Affil Type Desc:</b>	CUPA District
<b>Entity Name:</b>	Orange County Env Health
<b>Entity Title:</b>	
<b>Address:</b>	1241 East Dyer RoadSuite 120
<b>City:</b>	Santa Ana
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	92705-5611
<b>Phone:</b>	(714) 433-6000

<b>Affil Type Desc:</b>	Facility Mailing Address
<b>Entity Name:</b>	Mailing Address
<b>Entity Title:</b>	
<b>Address:</b>	43172 Business Park Dr Ste 101
<b>City:</b>	Temecula
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	92590
<b>Phone:</b>	

<b>Affil Type Desc:</b>	Document Preparer
<b>Entity Name:</b>	Roxie Roque
<b>Entity Title:</b>	
<b>Address:</b>	
<b>City:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Zip Code:</b>	
<b>Phone:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Affil Type Desc:</b>		Identification Signer				
<b>Entity Name:</b>		Roxie Roque				
<b>Entity Title:</b>		Accounts Payable				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Legal Owner				
<b>Entity Name:</b>		Gary W Myers				
<b>Entity Title:</b>						
<b>Address:</b>		43172 Business Park Dr ste 101				
<b>City:</b>		Temecula				
<b>State:</b>		CA				
<b>Country:</b>		United States				
<b>Zip Code:</b>		92590				
<b>Phone:</b>		(951) 676-8616				
<b>Affil Type Desc:</b>		Parent Corporation				
<b>Entity Name:</b>		BMW Management, Inc.				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Environmental Contact				
<b>Entity Name:</b>		JESUS SANDOVAL				
<b>Entity Title:</b>						
<b>Address:</b>		43172 Business Park Dr ste 101				
<b>City:</b>		Temecula				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		92590				
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Operator				
<b>Entity Name:</b>		BMW Management, Inc				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>		(951) 676-8616				

#### Coordinates

<b>Env Int Type Code:</b>	HMBP	<b>Longitude:</b>	-117.699100
<b>Program ID:</b>	10472596	<b>Coord Name:</b>	
<b>Latitude:</b>	33.621850	<b>Ref Point Type Desc:</b>	Center of a facility or station.

<u>7</u>	2 of 2	SE	0.03 / 169.40	400.73 / 0	SIZZLER-MORGAN MANAGEMENT 23501 EL TORO RD EL TORO CA 92630	EMISSIONS
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#### 1990 Criteria Data

<b>Facility ID:</b>	64771	<b>CERR Code:</b>	
<b>Facility SIC Code:</b>	5812	<b>TOGT:</b>	.1



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CO:	30				ROGT:	.04223
Air Basin:	SC				COT:	
District:	SC				NOXT:	
COLD:	ORA				SOXT:	
DISN:	SOUTH COAST AQMD				PMT:	.4
CHAPIS:					PM10T:	.38

#### 1990 Toxic Data

Facility ID:	64771	COLD:	ORA
Facility SIC Code:	5812	DISN:	SOUTH COAST AQMD
CO:	30	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<a href="#">8</a>	1 of 2	ESE	0.07 / 369.11	400.35 / 0	PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) 23512-23532 EL TORO ROAD LAKE FOREST CA 92630	ENVIROSTOR
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Estor/EPA ID:	60001482	Permit Renewal Lead:	
Site Code:	401582	Project Manager:	
Nat Priority List:	NO	Supervisor:	
Acres:	0.25 ACRES	Public Partici Spclst:	
Special Program:	VOLUNTARY CLEANUP PROGRAM	Census Tract:	6059032014
Funding:	SITE PROPONENT	County:	ORANGE
Assembly District:	68	Latitude:	33.620864
Senate District:	37	Longitude:	-117.698652
School District:			
APN:	NONE SPECIFIED		
Cleanup Status:	REFER: LOCAL AGENCY AS OF 2/27/2013		
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
Site Type:	VOLUNTARY CLEANUP		
Office:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH		
Past Use that Caused Contam:	DRY CLEANING		
Potential Media Affected:	INDOOR AIR, SOIL VAPOR, UNDER INVESTIGATION		
Potential Contamin of Concern:			

TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

#### Site History:

The Site is located within the Orange Tree Plaza shopping center, in a commercial and residential area of Lake Forest. The subject property has been utilized as a dry cleaning facility since 1979.

Based on DTSC's evaluation of the data, hazardous substances that pose a threat to public health or the environment under an unrestricted land use were detected at the Site. Therefore, DTSC concurred with the conclusion of the Report that further environmental investigation of the Site is warranted. DTSC recommended the collection of additional soil gas data across the site to give a more accurate and current understanding of the potential risk at the Site.

The data in the Report confirms a release of hazardous substances into the environment and that the level of hazardous constituents in soil and groundwater detected near the Site pose unacceptable risk to human health and the environment. Such a release constitutes violation of Health and Safety Code Chapters 6.5 and 6.8 and Title 22 California Code of Regulations, Division 4.5, Chapter 12. Article 3.

On July 19, 2011 DTSC completed scope of work under consultative agreement. The status has been changed to "Inactive-Action Required" as this was deemed to be the closest match for "Further Action". Thereafter, the responsible party elected to conduct investigation/cleanup under the Orange County CUPA. DTSC did not object to local agency oversight and the project was discussed with CUPA staff involved in the project..

Anthony Martinez from CUPA informed DTSC (Thru e-mail) on February 19, 2013 that the RP executed an oversight agreement with the County to oversee the investigation.

Status:	REFER: LOCAL AGENCY
Program Type:	VOLUNTARY CLEANUP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>CalEnviroScreen Score:</b>	61-65%
<b>Summary Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001482">http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001482</a>

#### Completed Activities

<b>Title:</b>	Investigation Report (PEA Equivalent)
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&amp;doc_id=60269735">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&amp;doc_id=60269735</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Preliminary Endangerment Assessment Report
<b>Date Completed:</b>	7/19/2011
<b>Comments:</b>	DTSC determined that further investigation is necessary at the site.

<b>Title:</b>	10-T1153 Prothero Enterprises Reimbursement Agreement
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&amp;enforcement_id=60269731">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&amp;enforcement_id=60269731</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Reimbursement Agreement
<b>Date Completed:</b>	6/22/2011
<b>Comments:</b>	Agreement fully executed.

<b>8</b>	<b>2 of 2</b>	<b>ESE</b>	<b>0.07 / 369.11</b>	<b>400.35 / 0</b>	<b>PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) 23512-23532 EL TORO ROAD LAKE FOREST CA 92630</b>	<b>VCP</b>
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<b>Estor/EPA ID:</b>	60001482	<b>Permit Renewal Lead:</b>	
<b>Site Code:</b>	401582	<b>Project Manager:</b>	
<b>Nat Priority List:</b>	NO	<b>Supervisor:</b>	
<b>Acres:</b>	0.25 ACRES	<b>Public Partici Spclst:</b>	
<b>Special Program:</b>	VOLUNTARY CLEANUP PROGRAM	<b>Census Tract:</b>	6059032014
<b>Funding:</b>	SITE PROPONENT	<b>County:</b>	ORANGE
<b>Assembly District:</b>	68	<b>Latitude:</b>	33.620864
<b>Senate District:</b>	37	<b>Longitude:</b>	-117.698652
<b>School District:</b>			
<b>APN:</b>	NONE SPECIFIED		
<b>Cleanup Status:</b>	REFER: LOCAL AGENCY AS OF 2/27/2013		
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
<b>Site Type:</b>	VOLUNTARY CLEANUP		
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH		
<b>Past Use that Caused Contam:</b>	DRY CLEANING		
<b>Potential Media Affected:</b>	INDOOR AIR, SOIL VAPOR, UNDER INVESTIGATION		
<b>Potential Contamin of Concern:</b>			

TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

#### Site History:

The Site is located within the Orange Tree Plaza shopping center, in a commercial and residential area of Lake Forest. The subject property has been utilized as a dry cleaning facility since 1979.

Based on DTSC's evaluation of the data, hazardous substances that pose a threat to public health or the environment under an unrestricted land use were detected at the Site. Therefore, DTSC concurred with the conclusion of the Report that further environmental investigation of the Site is warranted. DTSC recommended the collection of additional soil gas data across the site to give a more accurate and current understanding of the potential risk at the Site.

The data in the Report confirms a release of hazardous substances into the environment and that the level of hazardous constituents in soil and groundwater detected near the Site pose unacceptable risk to human health and the environment. Such a release constitutes violation of Health and Safety Code Chapters 6.5 and 6.8 and Title 22 California Code of Regulations, Division 4.5, Chapter 12. Article 3.

On July 19, 2011 DTSC completed scope of work under consultative agreement. The status has been changed to "Inactive-Action Required" as this was deemed to be the closest match for "Further Action". Thereafter, the responsible party elected to conduct investigation/cleanup under the Orange County CUPA. DTSC did not object to local agency oversight and the project was discussed with CUPA staff involved in the project..



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Anthony Martinez from CUPA informed DTSC (Thru e-mail) on February 19, 2013 that the RP executed an oversight agreement with the County to oversee the investigation.

**Status:** REFER: LOCAL AGENCY  
**Program Type:** VOLUNTARY CLEANUP  
**CalEnviroScreen Score:** 61-65%  
**Summary Link:** [http://www.envirostor.dtsc.ca.gov/public/profile\\_report?global\\_id=60001482](http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001482)

#### Completed Activities

**Title:** 10-T1153 Prothero Enterprises Reimbursement Agreement  
**Title Link:** [http://www.envirostor.dtsc.ca.gov/public/final\\_documents2?global\\_id=60001482&enforcement\\_id=60269731](http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&enforcement_id=60269731)  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Reimbursement Agreement  
**Date Completed:** 6/22/2011  
**Comments:** Agreement fully executed.

**Title:** Investigation Report (PEA Equivalent)  
**Title Link:** [http://www.envirostor.dtsc.ca.gov/public/final\\_documents2?global\\_id=60001482&doc\\_id=60269735](http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001482&doc_id=60269735)  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Preliminary Endangerment Assessment Report  
**Date Completed:** 7/19/2011  
**Comments:** DTSC determined that further investigation is necessary at the site.

<a href="#">9</a>	1 of 1	ESE	0.09 / 453.98	400.88 / 0	THE FORMER ORANGE TREE PLAZA DRY CLEANERS 23532 EL TORO ROAD LAKE FOREST CA	CLEANUP SITES
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<b>Global ID:</b>	T10000009084	<b>Site Facility Type:</b>	CLEANUP PROGRAM SITE
<b>Status:</b>	OPEN - ACTIVE	<b>County:</b>	ORANGE
<b>Status Date:</b>	2016-06-29 00:00:00	<b>Latitude:</b>	33.6209147785558
<b>Site Code:</b>		<b>Longitude:</b>	-117.698203033066
<b>Data Source:</b>	Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	2080149	<b>CUF Case:</b>	NO
<b>Local Case Number:</b>		<b>Case Worker:</b>	MB
<b>Begin Date:</b>	2016-06-29 00:00:00	<b>File Location:</b>	Local Agency
<b>Stop Method:</b>			
<b>Lead Agency:</b>	SANTA ANA RWQCB (REGION 8)		
<b>Local Agency:</b>			
<b>Potential COC:</b>	Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE)		
<b>Potential Media of Concern:</b>	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor		
<b>How Discovered:</b>			
<b>How Discovered Description:</b>			
<b>Stop Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

Investigation work conducted at 23532 El Toro Road, Lake Forest (Site) indicates that volatile organic compounds (VOCs) associated with past activities of Orange Tree Plaza Dry Cleaners are present in the subsurface soil, soil vapor, and groundwater at the Site. Based on the March 2016 investigation report, concentrations of approximately 5,900 micrograms per liter (µg/L) for total VOCs were detected in groundwater beneath the Site. The main VOCs detected in groundwater are tetrachloroethene (PCE), trichloroethene (TCE) and cis-1,2-dichloroethene (DCE). In February 2016, PCE concentration of up to 2,000 µg/L was also detected in soil vapor at 5 ft below ground surface (bgs) at the Site.

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity**

<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2019-03-26 00:00:00
<b>Action:</b>	Correspondence
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2019-02-05 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2019-01-25 00:00:00
<b>Action:</b>	Other Workplan
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2018-11-15 00:00:00
<b>Action:</b>	Other Workplan
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2018-11-05 00:00:00
<b>Action:</b>	Other Workplan
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-10-25 00:00:00
<b>Action:</b>	Notice to Comply
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-10-16 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2018-09-14 00:00:00
<b>Action:</b>	Correspondence
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2018-09-14 00:00:00
<b>Action:</b>	Other Workplan
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-09-14 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2018-09-14 00:00:00
<b>Action:</b>	Site Investigation Workplan
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-08-15 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-08-14 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-07-05 00:00:00
<b>Action:</b>	Annual Estimation Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-05-01 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-02-27 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Date :</b>		2017-11-08 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-11-07 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-10-13 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-08-15 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-06-20 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-05-12 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-01-27 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-11-30 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-10-14 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-10-11 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-23 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-07 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-02 00:00:00				
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-08-25 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-08-24 00:00:00				
<b>Action:</b>		Preliminary Site Assessment Workplan - Addendum				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-08-19 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-08-19 00:00:00				
<b>Action:</b>		Remedial Investigation Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-08-17 00:00:00				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-08-17 00:00:00				
<b>Action:</b>		Meeting				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-08-09 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-08-08 00:00:00				
<b>Action:</b>		Conceptual Site Model				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-08-04 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-07-29 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-07-05 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-06-23 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-03-25 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-03-14 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2014-05-14 00:00:00				
<b>Action:</b>		Preliminary Site Assessment Report - Regulator Responded				

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

<b>Status:</b>	Open - Active
<b>Status Date:</b>	2016-06-29 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	2016-06-29 00:00:00

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 Main St, Suite 500
<b>Contact Name:</b>	Mona Behrooz	<b>City:</b>	RIVERSIDE
<b>Phone Number:</b>	9517823237		
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		
<b>Email:</b>	mehmooosh.behrooz@waterboards.ca.gov		

**Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Project Status:</b>		<b>WDR Place Type:</b>	
<b>CUF Claim:</b>		<b>WDR File:</b>	
<b>CUF Priority Assign:</b>		<b>WDR Order:</b>	
<b>CUF Amount Paid:</b>		<b>File Location:</b>	LOCAL AGENCY
<b>User Defined Beneficial Use:</b>			



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Designated Beneficial Use:</b>		MUN, AGR				
<b>Project Oversight Agencies:</b>						
<b>Report Link:</b>		<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000009084">http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000009084</a>				
<b>Cleanup Status Detail:</b>		OPEN - ACTIVE AS OF 6/29/2016				
<b>Cleanup History Link:</b>		<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000009084&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000009084&amp;tabname=regulatoryhistory</a>				
<b>Potential COC:</b>		OTHER CHLORINATED HYDROCARBONS, TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)				
<b>Potential Media Of Concern:</b>		INDOOR AIR, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR				
<b>DWR GW Sub Basin:</b>						
<b>Calwater Watershed Name:</b>		San Juan - Laguna - Aliso (901.13)				
<b>Post Closure Site Management:</b>						
<b>Future Land Use:</b>						
<b>Cleanup Oversight Agencies:</b>		SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: 2080149 CASEWORKER: Mona Behrooz				
<b>Site History:</b>						

Investigation work conducted at 23532 El Toro Road, Lake Forest (Site) indicates that volatile organic compounds (VOCs) associated with past activities of Orange Tree Plaza Dry Cleaners are present in the subsurface soil, soil vapor, and groundwater at the Site. Based on the March 2016 investigation report, concentrations of approximately 5,900 micrograms per liter (µg/L) for total VOCs were detected in groundwater beneath the Site. The main VOCs detected in groundwater are tetrachloroethene (PCE), trichloroethene (TCE) and cis-1,2-dichloroethene (DCE). In February 2016, PCE concentration of up to 2,000 µg/L was also detected in soil vapor at 5 ft below ground surface (bgs) at the Site.

#### Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

<b>Action Type:</b>	Enforcement - Other
<b>Action Date:</b>	
<b>Received Issue Date:</b>	
<b>Action:</b>	Unknown
<b>Doc Link:</b>	
<b>Title Description Comments:</b>	
<b>Action Type:</b>	Response Requested - Workplans
<b>Action Date:</b>	11/15/2018
<b>Received Issue Date:</b>	11/15/2018
<b>Action:</b>	Other Workplan
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5979423">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5979423</a>
<b>Title Description Comments:</b>	

Additional Soil Vapor Investigation

<b>Action Type:</b>	Response Requested - Workplans
<b>Action Date:</b>	11/5/2018
<b>Received Issue Date:</b>	11/5/2018
<b>Action:</b>	Other Workplan
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5979421">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5979421</a>
<b>Title Description Comments:</b>	

Pre-Design Testing\_Interim GW Remed\_2018-11-05

<b>Action Type:</b>	Enforcement/Orders
<b>Action Date:</b>	10/25/2018
<b>Received Issue Date:</b>	10/25/2018
<b>Action:</b>	Notice to Comply
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6373495&amp;temp_table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6373495&amp;temp_table=ENFORCEMENT</a>
<b>Title Description Comments:</b>	

NOTICE OF NON-COMPLIANCE WITH WORK SCHEDULE

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	10/16/2018
<b>Received Issue Date:</b>	10/16/2018
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6372499&amp;temp_table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6372499&amp;temp_table=ENFORCEMENT</a>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Title Description Comments:**

RE Email transmittal of Sep 14, 2018-soil vapor investigation at Orange Tree

**Action Type:** Response Requested - Other  
**Action Date:** 9/14/2018  
**Received Issue Date:** 9/14/2018  
**Action:** Correspondence  
**Doc Link:**

**Title Description Comments:**

RE Additional Investigation, June 2018

**Action Type:** Other Regulatory Actions  
**Action Date:** 9/14/2018  
**Received Issue Date:** 9/14/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**

**Title Description Comments:**

RE Additional Investigation, June 2018

**Action Type:** Response Requested - Workplans  
**Action Date:** 9/14/2018  
**Received Issue Date:** 9/14/2018  
**Action:** Other Workplan  
**Doc Link:**

**Title Description Comments:**

Additional Investigation

**Action Type:** Response Requested - Workplans  
**Action Date:** 9/14/2018  
**Received Issue Date:** 9/14/2018  
**Action:** Site Investigation Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=T10000009084&doc\\_id=5975647](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&doc_id=5975647)

**Title Description Comments:**

RE Additional Investigation, June 2018

**Action Type:** Other Regulatory Actions  
**Action Date:** 8/15/2018  
**Received Issue Date:** 8/15/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T10000009084&enforcement\\_id=6366899&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6366899&temp_table=ENFORCEMENT)

**Title Description Comments:**

Re Additional Investigation, June 2018

**Action Type:** Other Regulatory Actions  
**Action Date:** 8/14/2018  
**Received Issue Date:** 8/14/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T10000009084&enforcement\\_id=6366747&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6366747&temp_table=ENFORCEMENT)

**Title Description Comments:**

Request for GW Interim Measure

**Action Type:** Other Regulatory Actions  
**Action Date:** 7/5/2018  
**Received Issue Date:** 7/5/2018  
**Action:** Annual Estimation Letter



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6363208&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6363208&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>		Former Orange Tree Plaza-Annual Cost Recovery				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/1/2018				
<b>Received Issue Date:</b>		5/1/2018				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6356628&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6356628&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>		RE Proposed Additional Investigation				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/27/2018				
<b>Received Issue Date:</b>		2/27/2018				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6350404&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6350404&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>		RE Work Plan for Additional Investigation				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/8/2017				
<b>Received Issue Date:</b>		11/8/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6340663&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6340663&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>		RE Well Installation and Third Quarter 2017 Groundwater Monitoring Report				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/7/2017				
<b>Received Issue Date:</b>		11/7/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>		RE Well Installation and Third Quarter 2017 Groundwater Monitoring Report				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		10/13/2017				
<b>Received Issue Date:</b>		10/13/2017				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>		Well Install and 3Q 2017 GWM Report_2017-10-13				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/15/2017				
<b>Received Issue Date:</b>		8/15/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6329872&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6329872&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>		RE Work Plan for Supplemental Investigation				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/20/2017				
<b>Received Issue Date:</b>		6/20/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323778&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323778&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Additional Groundwater Investigation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/20/2017				
<b>Received Issue Date:</b>		6/20/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323779&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323779&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Additional Soil Vapor Probe Installation and Sampling						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		5/12/2017				
<b>Received Issue Date:</b>		5/12/2017				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6319787&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6319787&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Annual Cost Estimate						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/27/2017				
<b>Received Issue Date:</b>		1/27/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309850&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309850&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Evaluation of VOCs in Soil Vapor						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/27/2017				
<b>Received Issue Date:</b>		1/27/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309848&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309848&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Work Plan for Additional Groundwater Investigation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/30/2016				
<b>Received Issue Date:</b>		11/30/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6304779&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6304779&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Revised Soil Vapor Mitigation Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/14/2016				
<b>Received Issue Date:</b>		10/14/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6301060&amp;temp">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6301060&amp;temp</a>				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
table=ENFORCEMENT						
Title Description Comments:						
RE Work Plan for Cone Penetrometer and HydropunchTM Testing						
Action Type:	Other Regulatory Actions					
Action Date:	10/11/2016					
Received Issue Date:	10/11/2016					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6300818&temp					
table=ENFORCEMENT						
Title Description Comments:						
RE 3rd Q GW Monitoring Report						
Action Type:	Other Regulatory Actions					
Action Date:	9/23/2016					
Received Issue Date:	9/23/2016					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6298988&temp					
table=ENFORCEMENT						
Title Description Comments:						
RE Soil Vapor Mitigation Work Plan						
Action Type:	Notices					
Action Date:	9/7/2016					
Received Issue Date:	9/7/2016					
Action:	Letter - Notice					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6297317&temp					
table=ENFORCEMENT						
Title Description Comments:						
GROUNDWATER MONITORING PROGRAM						
Action Type:	Notices					
Action Date:	9/2/2016					
Received Issue Date:	9/2/2016					
Action:	Letter - Notice					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6297021&temp					
table=ENFORCEMENT						
Title Description Comments:						
OTP_Regulatory_Required_Procedures_090116						
Action Type:	Other Regulatory Actions					
Action Date:	8/25/2016					
Received Issue Date:	8/25/2016					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6296087&temp					
table=ENFORCEMENT						
Title Description Comments:						
RE Third Revision-Work Plan to Conduct Two Indoor Air Sampling Events, Install Soil Vapor probes						
Action Type:	Other Regulatory Actions					
Action Date:	8/25/2016					
Received Issue Date:	8/25/2016					
Action:	Technical Correspondence / Assistance / Other					
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6296032&temp					
table=ENFORCEMENT						
Title Description Comments:						
RE Review of CSM and Request for Soil Vapor Mitigation Work Plan						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		8/24/2016				
<b>Received Issue Date:</b>		8/24/2016				
<b>Action:</b>		Preliminary Site Assessment Workplan - Addendum				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&doc_id=5898453				
<b>Title Description Comments:</b>		Third Revision of Indoor Air Sampling-Vapor Probe Installation Work Plan				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/19/2016				
<b>Received Issue Date:</b>		8/19/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6295630&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		RE Second revision of IA-soil vapor probe installation inside daycare work plan				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		8/19/2016				
<b>Received Issue Date:</b>		8/19/2016				
<b>Action:</b>		Remedial Investigation Workplan				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&doc_id=5898086				
<b>Title Description Comments:</b>		Second revision of IA-soil vapor probe installation inside daycare work plan				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/17/2016				
<b>Received Issue Date:</b>		8/17/2016				
<b>Action:</b>		Meeting				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6295301&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		OTP-Silver Cleaners Meeting Summary				
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		8/17/2016				
<b>Received Issue Date:</b>		8/17/2016				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6295305&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		OTP-request for GW monitoring frequency				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/9/2016				
<b>Received Issue Date:</b>		8/9/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6294738&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		RE: The Revised Indoor Air Sampling-Probe Installation Work Plan				
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		8/8/2016				
<b>Received Issue Date:</b>		8/8/2016				
<b>Action:</b>		Conceptual Site Model				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&doc_id=5900144				
<b>Title Description Comments:</b>						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Preliminary CSM						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		8/4/2016				
<b>Received Issue Date:</b>		8/4/2016				
<b>Action:</b>		Other Workplan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5897301">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5897301</a>				
<b>Title Description Comments:</b>						
The Revised Indoor Air Sampling-Probe Installation Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/29/2016				
<b>Received Issue Date:</b>		7/29/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6293755&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6293755&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Work Plan for Indoor Air Sampling-Vapor Probe installation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/5/2016				
<b>Received Issue Date:</b>		7/5/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6291800&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6291800&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
OTP Orange Tree Plaza 23532 El Toro Road Lake Forest						
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		6/23/2016				
<b>Received Issue Date:</b>		6/23/2016				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294734&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294734&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Cost Recovery Agreement						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		3/25/2016				
<b>Received Issue Date:</b>						
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5894601">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5894601</a>				
<b>Title Description Comments:</b>						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		3/14/2016				
<b>Received Issue Date:</b>						
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5894602">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000009084&amp;doc_id=5894602</a>				
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<b>Action Date:</b>		*5/14/2014				
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<b>Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)</b>						
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
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<b>Size :</b>	9,095 KB					
<b>Title:</b>	UNKNOWN - ORANGE TREE PLAZA 1ST QUARTER SEMI ANNUAL 2016 - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1386809408/Orange%20Tree%20Plaza%201st%20Quarter%20Semi%20Annual%202016%2Epdf">http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1386809408/Orange%20Tree%20Plaza%201st%20Quarter%20Semi%20Annual%202016%2Epdf</a>					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
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<b>Size :</b>						
<b>Title:</b>	PRE-DESIGN TESTING_INTERIM GW REMED_2018-11-05 - REGULATOR RESPONSE					
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<b>Title:</b>	RE EMAIL TRANSMITTAL OF SEP 14, 2018-SOIL VAPOR INVESTIGATION AT ORANGE TREE					
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<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
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<b>Size :</b>	7,890 KB					
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					FORMER ORANGE TREE PLAZA-ANNUAL COST RECOVERY <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6363208">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6363208</a> ANNUAL ESTIMATION LETTER	
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5767648518/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5767648518/T10000009084.PDF</a>					
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<b>Size :</b>	13,550 KB					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
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<b>Document Date:</b>	6/20/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323778">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6323778</a>					
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<b>Size :</b>						
<b>Title:</b>	RE ADDITIONAL SOIL VAPOR PROBE INSTALLATION AND SAMPLING					
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<b>Title:</b>	ANNUAL COST ESTIMATE					
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<b>Type:</b>	LETTER - NOTICE					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Title:</b>	FIRST QUARTER 2017 GROUNDWATER MONITORING REPORT					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
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<b>Document Date:</b>	1/27/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE EVALUATION OF VOCs IN SOIL VAPOR					
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<b>Size :</b>						
<b>Title:</b>	RE WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309848">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6309848</a>					
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<b>Document Date:</b>	1/19/2017			<b>Submitted By:</b>	AVOCET ENV. (AUTH_RP)	
<b>Size :</b>	6,394 KB					
<b>Title:</b>	WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
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<b>Document Date:</b>	1/13/2017			<b>Submitted By:</b>	AVOCET ENV. (AUTH_RP)	
<b>Size :</b>	12,735 KB					
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<b>Document Date:</b>	12/1/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	32,114 KB					
<b>Title:</b>	REPORT FOR INDOOR AIR SAMPLING EVENTS AT UNIT #1					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1130957245/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1130957245/T10000009084.PDF</a>					
<b>Type:</b>	REPORT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/30/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE REVISED SOIL VAPOR MITIGATION WORK PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6304779">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6304779</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/20/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	19,812 KB					
<b>Title:</b>	WORK PLAN FOR SOIL VAPOR MITIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5541605353/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5541605353/T10000009084.PDF</a>					
<b>Type:</b>	WORK PLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/19/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	4,139 KB					
<b>Title:</b>	WORK PLAN FOR CONE PENETROMETER AND HYDROPUNCH TESTING					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7233087897/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7233087897/T10000009084.PDF</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Type:</b> GROUNDWATER MONITORING PLAN						
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/17/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	3,826 KB					
<b>Title:</b>	THIRD (3RD) QUARTER 2016 SEMI-ANNUAL GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9527330398/T10000009084.PDF					
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/14/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE WORK PLAN FOR CONE PENETROMETER AND HYDRO PUNCH TESTING					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6301060					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/11/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE 3RD Q GW MONITORING REPORT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6300818					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/10/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	2,999 KB					
<b>Title:</b>	CONE PENETROMETER AND HYDRO PUNCH TESTING WORK PLAN					
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<b>Type:</b>	REMEDIAL INVESTIGATION WORKPLAN					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	9/29/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	2,487 KB					
<b>Title:</b>	THIRD QUARTER GROUNDWATER MONITORING EVENT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6705354690/T10000009084.PDF					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/23/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE SOIL VAPOR MITIGATION WORK PLAN					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6298988					
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<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/15/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	16,610 KB					
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<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5879218757/T10000009084.PDF					
<b>Type:</b>	OTHER WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/7/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	GROUNDWATER MONITORING PROGRAM					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6297317					
<b>Type:</b>	LETTER - NOTICE					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/2/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
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<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&enforcement_id=6297021					
<b>Type:</b>	LETTER - NOTICE					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	8/25/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE REVIEW OF CSM AND REQUEST FOR SOIL VAPOR MITIGATION WORK PLAN					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6296032">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6296032</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/25/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
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<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/24/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5898453">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5898453</a> THIRD REVISION OF INDOOR AIR SAMPLING-VAPOR PROBE INSTALLATION WORK PLAN - REGULATOR RESPONSE PRELIMINARY SITE ASSESSMENT WORKPLAN - ADDENDUM				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/19/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6295630">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6295630</a> RE SECOND REVISION OF IA-SOIL VAPOR PROBE INSTALLATION INSIDE DAYCARE WORK PLAN TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/19/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5898086">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5898086</a> SECOND REVISION OF IA-SOIL VAPOR PROBE INSTALLATION INSIDE DAYCARE WORK PLAN - REGULATOR RESPONSE REMEDIAL INVESTIGATION WORKPLAN				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/17/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
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<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/17/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
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<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/9/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294738">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294738</a> RE: THE REVISED INDOOR AIR SAMPLING-PROBE INSTALLATION WORK PLAN TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/8/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5900144">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5900144</a> PRELIMINARY CSM - REGULATOR RESPONSE CONCEPTUAL SITE MODEL				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 8/4/2016		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Tvpe:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5897301">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5897301</a> THE REVISED INDOOR AIR SAMPLING-PROBE INSTALLATION WORK PLAN - REGULATOR RESPONSE OTHER WORKPLAN				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	7/29/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6293755">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6293755</a>					
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<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	7/25/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	12,615 KB					
<b>Title:</b>	WORKPLAN FOR UNIT # 1					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2353506505/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2353506505/T10000009084.PDF</a>					
<b>Type:</b>	OTHER WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	7/5/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	OTP ORANGE TREE PLAZA 23532 EL TORO ROAD LAKE FOREST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6291800">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6291800</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/23/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	COST RECOVERY AGREEMENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294734">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;enforcement_id=6294734</a>					
<b>Type:</b>	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	3/14/2016			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	9,004 KB					
<b>Title:</b>	1ST QUARTER SEMI-ANNUAL 2016 - GROUNDWATER MONITORING EVENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6328178167/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6328178167/T10000009084.PDF</a>					
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/5/2015			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	3,008 KB					
<b>Title:</b>	3RD QUARTER SEMI-ANNEAL 2015-GROUNDWATER MONITORING EVENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2789656221/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2789656221/T10000009084.PDF</a>					
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	7/22/2015			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	2,523 KB					
<b>Title:</b>	SEMI-ANNEAL STATUS REPORT FORORANGE TREE PLAZA					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4605844855/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4605844855/T10000009084.PDF</a>					
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	3/10/2015			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	2,705 KB					
<b>Title:</b>	PRECISE GRADING PLAN FOR AND BACKFILL MATERIAL AT OTP					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3567900240/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3567900240/T10000009084.PDF</a>					
<b>Type:</b>	OTHER REPORT / DOCUMENT					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	11/17/2014			<b>Submitted By:</b>	KENNETH K. HEKIMIAN (AUTH_RP)	
<b>Size :</b>	7,632 KB					
<b>Title:</b>	3ES QUARTER SEMI-ANNUAL 2014 - GROUNDWATER MONITORING EVENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4870292425/T10000009084.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4870292425/T10000009084.PDF</a>					
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/14/2014			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	UNKNOWN - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5894597">http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000009084&amp;document_id=5894597</a>					
<b>Type:</b>	PRELIMINARY SITE ASSESSMENT REPORT					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Document Type:
Document Date:
Size :
Title:
Title Link:
Type:

Site Documents
3/6/2013
8,834 KB
SITE HEALTH AND SAFETY PLAN
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/6287391424/T10000009084.PDF
HEALTH & SAFETY PLAN (H&SC)

Submitted:
Submitted By:

KENNETH K. HEKIMIAN (AUTH\_RP)

Document Type:
Document Date:
Size :
Title:
Title Link:
Type:

Site Documents
1/18/2013
18,971 KB
REMEDIAL INVESTIGATION WORKPLAN
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/2395866096/T10000009084.PDF
REMEDIAL INVESTIGATION REPORT

Submitted:
Submitted By:

KENNETH K. HEKIMIAN (AUTH\_RP)

Document Type:
Document Date:
Size :
Title:
Title Link:
Type:

Site Documents
7/31/2012
54,292 KB
REPORT ON COMPREHENSIVE SITE INVESTIGATION
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/7758430182/T10000009084.PDF
SITE INVESTIGATION

Submitted:
Submitted By:

KENNETH K. HEKIMIAN (AUTH\_RP)

Document Type:
Document Date:
Size :
Title:
Title Link:
Type:

Site Documents
5/7/2009
9,998 KB
PHASE I ENVIRONMENTAL SIRE ASSESSMENT (REVISED) A/E WEST CONSULTANTS
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_report/2003516852/T10000009084.PDF
PHASE I ASSESSMENT REPORT

Submitted:
Submitted By:

KENNETH K. HEKIMIAN (AUTH\_RP)

Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title:
Size :
Link:

GEO\_MAP
266 KB
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_map/5854704439/T10000009084.JPG

Submitted By:
Submitted:

KENNETH K. HEKIMIAN (AUTH\_RP)
10/20/2016

Title:
Size :
Link:

GEO\_MAP
310 KB
http://geotracker.waterboards.ca.gov/esi/uploads/geo\_map/3501120209/T10000009084.JPG

Submitted By:
Submitted:

KENNETH K. HEKIMIAN (AUTH\_RP)
10/20/2016

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status:
Date :

Open - Case Begin Date
6/29/2016

Status:
Date :

Open - Active
6/29/2016

<a href="#">10</a>	1 of 1	S	0.09 / 480.73	395.38 / -5	Panda Express #1586 23572 EL TORO RD STE A LAKE FOREST CA 92630	CERS HAZ
Site ID:	419423					
Latitude:	33.620240					
Longitude:	-117.700700					

Regulated Programs

EI Description:	Chemical Storage Facilities	EI ID:	10727020
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Violations

Violation Date:	05/12/2017	Violation Source:	CERS
Violation Program:	HMRRP	Violation Division:	Orange County Environmental Health



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Citation:** HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

**Violation Notes:**

Returned to compliance on 06/14/2017. Employee training that includes safety procedures in the event of a release or threatened release of carbon dioxide, must be conducted within 30 days of this inspection and records be submitted to this agency.

**Violation Description:**

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

**Evaluations**

**Eval Date:** 06/02/2017  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Reviewed and accepted revised documents submitted to CERS on 5/31/17.; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 06/14/2017  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

A copy of employee training sign in sheet for managing Carbon Dioxide release was submitted to CERS on 6/12/17. Violation I239 regarding failure to provide initial/annual employee training in emergency response plan, cited during routine inspection conducted on 5/12/17, has been corrected.; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 05/12/2017  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Panda Express #1586 23572 El Toro Rd., Ste. A Lake Forest, CA 92630 (949) 472-8445 On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Jesus Alvarez granted consent to conduct inspection. I walked through the facility and inspected hazardous materials storage area in the back. As reported in CERS, facility stores carbon dioxide that meets required disclosure quantities. There are no storm drains or fire hydrants nearby. Employees have not been trained in managing hazardous materials. Training that includes safety procedures in the event of a release or threatened release of carbon dioxide, must be conducted within 30 days of this inspection and records be submitted to this agency. Emergency notification list is available in the office. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Affiliations**

**Affil Type Desc:** Identification Signer  
**Entity Name:** Helen Yeh  
**Entity Title:** Risk Analyst  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Legal Owner				
<b>Entity Name:</b>		Panda Restaurant Group, Inc.				
<b>Entity Title:</b>						
<b>Address:</b>		1683 Walnut Grove Ave.				
<b>City:</b>		Rosemead				
<b>State:</b>		CA				
<b>Country:</b>		United States				
<b>Zip Code:</b>		91770				
<b>Phone:</b>		(626) 799-9898				
<b>Affil Type Desc:</b>		CUPA District				
<b>Entity Name:</b>		Orange County Env Health				
<b>Entity Title:</b>						
<b>Address:</b>		1241 East Dyer RoadSuite 120				
<b>City:</b>		Santa Ana				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		92705-5611				
<b>Phone:</b>		(714) 433-6000				
<b>Affil Type Desc:</b>		Parent Corporation				
<b>Entity Name:</b>		Panda Restaurant Group				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Operator				
<b>Entity Name:</b>		Ramon ChavezArreola				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>		(714) 402-5190				
<b>Affil Type Desc:</b>		Facility Mailing Address				
<b>Entity Name:</b>		Mailing Address				
<b>Entity Title:</b>						
<b>Address:</b>		Panda Restaurant Group, Risk Dept, 1683 Walnut Grove Ave.				
<b>City:</b>		Rosemead				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		91770				
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Document Preparer				
<b>Entity Name:</b>		Helen Yeh				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Environmental Contact				
<b>Entity Name:</b>		Helen Yeh				
<b>Entity Title:</b>						
<b>Address:</b>		1683 Walnut Grove Ave.				
<b>City:</b>		Rosemead				
<b>State:</b>		CA				
<b>Country:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code:		91770				
Phone:						
Affil Type Desc:		Property Owner				
Entity Name:		Prothero Enterprises, Inc				
Entity Title:						
Address:		214 Via Robina #23				
City:		San Clemente				
State:		CA				
Country:		United States				
Zip Code:		92672				
Phone:		(949) 680-0799				

<a href="#">11</a>	1 of 3	<b>NNW</b>	<b>0.10 / 535.58</b>	<b>388.97 / -11</b>	<b>JACQUELINE HUTCHINGS 23292 CAVANAUGH RD LAKE FOREST CA 92630-4405</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC002990349  
**Gen Status Universe:** No Report  
**Contact Name:** JACQUELINE HUTCHINGS  
**Contact Address:** 23292 CAVANAUGH RD , , LAKE FOREST , CA, 92630-4405 ,  
**Contact Phone No and Ext:** 949-678-8718  
**Contact Email:** GENEVADEGUIRE@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20181126

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20181126  
**Handler Name:** JACQUELINE HUTCHINGS  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

**Owner/Operator Ind:** Current Operator **Street No:**



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type:	Other				Street 1:	23292 CAVANAUGH RD
Name:	JACQUELINE HUTCHINGS				Street 2:	
Date Became Current:					City:	LAKE FOREST
Date Ended Current:					State:	CA
Phone:	949-678-8718				Country:	
Source Type:	Implementer				Zip Code:	92630-4405
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Other				Street 1:	23292 CAVANAUGH RD
Name:	JACQUELINE HUTCHINGS				Street 2:	
Date Became Current:					City:	LAKE FOREST
Date Ended Current:					State:	CA
Phone:	949-678-8718				Country:	
Source Type:	Implementer				Zip Code:	92630-4405

[11](#) 2 of 3 NNW 0.10 / 535.58 388.97 / -11 JACQUELINE HUTCHINGS 23292 CAVANAUGH ROAD LAKE FOREST CA 92630 RCRA NON GEN

EPA Handler ID: CAC002992197  
Gen Status Universe: No Report  
Contact Name: JACQUELINE HUTCHINGS  
Contact Address: 23292 CAVANAUGH ROAD , , LAKE FOREST , CA, 92630 ,  
Contact Phone No and Ext: 949-678-8718  
Contact Email: VIANCATARANGO@ALLIANCE-ENVIRO.COM  
Contact Country:  
County Name: ORANGE  
EPA Region: 09  
Land Type:  
Receive Date: 20181207

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity: No  
Mixed Waste Generator: No  
Transporter Activity: No  
Transfer Facility: No  
Onsite Burner Exemption: No  
Furnace Exemption: No  
Underground Injection Activity: No  
Commercial TSD: No  
Used Oil Transporter: No  
Used Oil Transfer Facility: No  
Used Oil Processor: No  
Used Oil Refiner: No  
Used Oil Burner: No  
Used Oil Market Burner: No  
Used Oil Spec Marketer: No

#### Hazardous Waste Handler Details

Sequence No: 1  
Receive Date: 20181207  
Handler Name: JACQUELINE HUTCHINGS  
Generator Status Universe: No Report  
Source Type: Implementer

#### Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23292 CAVANAUGH ROAD
<b>Name:</b>	JACQUELINE HUTCHINGS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-678-8718	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23292 CAVANAUGH ROAD
<b>Name:</b>	JACQUELINE HUTCHINGS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-678-8718	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630

<a href="#">11</a>	3 of 3	<b>NNW</b>	<b>0.10 / 535.58</b>	<b>388.97 / -11</b>	<b>JACQUELINE HUTCHINGS 23292 CAVANAUGH ROAD LAKE FOREST CA 92630-4405</b>	<b>RCRA NON GEN</b>
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<b>EPA Handler ID:</b>	CAC003000143
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	JACQUELINE HUTCHINGS
<b>Contact Address:</b>	23292 CAVANAUGH ROAD , , LAKE FOREST , CA, 92630-4405 ,
<b>Contact Phone No and Ext:</b>	949-678-8718
<b>Contact Email:</b>	GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
<b>Contact Country:</b>	
<b>County Name:</b>	ORANGE
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20190207

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No
<b>Used Oil Market Burner:</b>	No
<b>Used Oil Spec Marketer:</b>	No

#### Hazardous Waste Handler Details

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20190207
<b>Handler Name:</b>	JACQUELINE HUTCHINGS
<b>Generator Status Universe:</b>	No Report
<b>Source Type:</b>	Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23292 CAVANAUGH ROAD
<b>Name:</b>	JACQUELINE HUTCHINGS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-678-8718	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630-4405

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23292 CAVANAUGH ROAD
<b>Name:</b>	JACQUELINE HUTCHINGS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-678-8718	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630-4405

<a href="#">12</a>	1 of 2	NW	0.10 / 536.04	387.92 / -13	LOUGHRY, STEVE 23312 CAVANAUGH ROAD LAKE FOREST CA 92630	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC002979427
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	LOUGHRY, STEVE
<b>Contact Address:</b>	23312 CAVANAUGH ROAD , , LAKE FOREST , CA, 92630 ,
<b>Contact Phone No and Ext:</b>	949-233-9247
<b>Contact Email:</b>	ANDREW@PWSEI.COM
<b>Contact Country:</b>	
<b>County Name:</b>	ORANGE
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20180907

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No
<b>Used Oil Market Burner:</b>	No
<b>Used Oil Spec Marketer:</b>	No

#### Hazardous Waste Handler Details

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20180907
<b>Handler Name:</b>	LOUGHRY, STEVE
<b>Generator Status Universe:</b>	No Report
<b>Source Type:</b>	Implementer



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23312 CAVANAUGH ROAD
<b>Name:</b>	LOUGHRY, STEVE	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-233-9247	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	23312 CAVANAUGH ROAD
<b>Name:</b>	LOUGHRY, STEVE	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-233-9247	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630

<a href="#">12</a>	2 of 2	NW	0.10 / 536.04	387.92 / -13	LOUGHRY, STEVE 23312 CAVANAUGH ROAD LAKE FOREST CA 92630	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC003000310
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	LOUGHRY, STEVE
<b>Contact Address:</b>	23312 CAVANAUGH ROAD , , LAKE FOREST , CA, 92630 ,
<b>Contact Phone No and Ext:</b>	949-230-5993
<b>Contact Email:</b>	ANDREW@PWSEI.COM
<b>Contact Country:</b>	
<b>County Name:</b>	PLACER
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20190208

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No
<b>Used Oil Market Burner:</b>	No
<b>Used Oil Spec Marketer:</b>	No

#### Hazardous Waste Handler Details

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20190208
<b>Handler Name:</b>	LOUGHRY, STEVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator Status Universe:		No Report				
Source Type:		Implementer				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Other			Street 1:	23312 CAVANAUGH ROAD	
Name:	LOUGHRY, STEVE			Street 2:		
Date Became Current:				City:	LAKE FOREST	
Date Ended Current:				State:	CA	
Phone:	949-230-5993			Country:		
Source Type:	Implementer			Zip Code:	92630	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Other			Street 1:	23312 CAVANAUGH ROAD	
Name:	LOUGHRY, STEVE			Street 2:		
Date Became Current:				City:	LAKE FOREST	
Date Ended Current:				State:	CA	
Phone:	949-230-5993			Country:		
Source Type:	Implementer			Zip Code:	92630	
<a href="#">13</a>	1 of 1	E	0.10 / 539.52	407.64 / 7	FREEDOM VILLAGE HEALTH CARE CENTER 23442 EL TORO RD LAKE FOREST CA 92630	CERS HAZ
Site ID:	427942					
Latitude:	33.621609					
Longitude:	-117.697128					
<u>Regulated Programs</u>						
EI Description:	Chemical Storage Facilities			EI ID:	10564417	
<u>Violations</u>						
Violation Date:	10/10/2014			Violation Source:	CERS	
Violation Program:	HMRRP			Violation Division:	Orange County Environmental Health	
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)					
Violation Notes:						
Returned to compliance on 03/31/2015.						
<u>Violation Description:</u>						
Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.						
<u>Violations</u>						
Violation Date:	10/10/2014			Violation Source:	CERS	
Violation Program:	HMRRP			Violation Division:	Orange County Environmental Health	
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)					
Violation Notes:						
Returned to compliance on 03/31/2015.						
<u>Violation Description:</u>						
Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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# Evaluations

<b>Eval Date:</b>	10/16/2014
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

I prepared and emailed example chemical inventory sheets for oxygen and diesel to facility contact.; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	03/31/2015
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Other/Unknown
<b>Eval Type:</b>	Other, not routine, done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Documents submitted to E-submit on 3/6/15 have been reviewed and declined with the following considerations: The ?Yes? box in Section ?A. Hazardous Materials? on the Business Activities form must be checked. Diesel Fuel form must be revised as follows: - CAS# (68476-34-6) must be listed at the top of the form in the section below ?Common Name.? - Fire Code Hazard Classes should be changed from ?Flammable Liquefied Gas (3.2)? to ?Combustible Liquid ? Class II (1.1 II). The total reported volume for oxygen gas stored on site appears to be lower than volume observed during the onsite inspection conducted by this Agency on 10/15/14. Please review total volume of all oxygen gas stored on site and if at 200 cubic feet or greater, the form must be revised as follows: - Chemical Name should be ?Oxygen, Compressed Gas.? - Fire Code Hazard Classes should be changed from ?Flammable Gas (3.2)? to ?Oxidizing.? - ?Maximum Daily Amount? must be updated to reflect total [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	10/20/2017
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

On site to conduct hazardous materials chemical inventory and business emergency plan inspection. Joel Niblett granted consent to conduct inspection. I walked through the facility and inspected hazardous material storage areas (backup generator and maintenance shed). Backup generator has a 150 gallon diesel tank. In addition, facility has a 20 gallon drum of diesel for backup generator in maintenance shed. Hazardous materials management training is provided annually. Training records are maintained in each department. Evacuation site maps are posted throughout the facility. I notified business that annual HMBP certification documents must be submitted via CERS. I assisted facility contact in creating account in CERS, completed facility information, and hazardous materials inventory section. Site map and emergency plan will be submitted within 30 days of this inspection. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	10/15/2014
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Orange County Environmental Health
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Inspector Comments: On site to conduct new hazardous materials chemical inventory and business emergency plan inspection. Joel Niblett assisted in conducting inspection. Mr. Niblett stated that the facility did not receive notification letters dated in August and December 2013 sent to the facility regarding this Agency administrating the Hazardous Materials Disclosure and Business Emergency Plan programs and electronically submitting HMBP. Violations I169 and I292 cited in the inspection report dated 10/10/14 have been voided since facility did not receive letters regarding submitting HMBP documents electronically. I walked through the facility. Facility has oxygen cylinders and diesel fuel (in generator) that meet required disclosure quantities. Facility is required and has been notified to electronically submit the following documents within 30 days of this inspection: - Business Activities form - Owner/Operator Identification form - Hazardous [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Eval Date:** 11/05/2014  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

I received email from Joel Niblett, facility administrator, indicating that Dianne at the facility has been having problems receiving username/password for E-submit. I also received a Portal administrator checked to see if the request was received. There was no request. I emailed him back with a screen shot of E-submit with the area to request username/password highlighted. I also called and left message for Dianne stating that the request was not received and for her to try it again. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 07/05/2018  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Received call from facility contact, Mary Beth Dionisio, in response to letter regarding CERS submittal. She wanted to know what had to be reported. I explained to her that material inventory was uploaded when I was on site in October 2017. I let her know that they had to complete emergency plan and prepare site map. She could not remember the inspection. I emailed another copy of the October inspection report to her.; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 10/10/2014  
**Violations Found:** Yes  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Inspector Comments: Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to [www.esubmit.ocgov.com](http://www.esubmit.ocgov.com) to request a username and password and submit the following HMD/BEP forms within the next 30 days: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 07/11/2015  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Orange County Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Documents submitted to E-submit on 6/9/15 were reviewed and declined with the following considerations: - The ?Yes? box in Section ?A. Hazardous Materials? on the Business Activities form must be checked. - Diesel: Dashes must be placed in CAS # (68476-34-6). - Oxygen: Fire Code Hazard Classes should be changed from to ?Oxidizer, Liquefied (4.4)? to ?Oxidizer, gas (4.4).? The ?Largest Container? is reported at 3 cubic feet. Please verify the size of the largest cylinder storing oxygen and if necessary update form. - Sections ?II a. through f? and ?III. Employee Training Program? of the Emergency Plan must be completed. - The site map does not show adjacent streets, storm drain, access and exit points, electrical shut off(s), evacuation staging areas, and emergency response equipment. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

#### **Affiliations**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Operator FREEDOM VILLAGE HEALTH CARE CENTER				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Parent Corporation FREEDOM VILLAGE HEALTH CARE CENTER				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Environmental Contact Joel J. Niblett  23442 EL TORO RD LAKE FOREST CA  92630				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		CUPA District Orange County Env Health  1241 East Dyer RoadSuite 120 Santa Ana CA  92705-5611 (714) 433-6000				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Facility Mailing Address Mailing Address  23442 EL TORO RD LAKE FOREST CA  92630				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Document Preparer Marybeth Dionisio				
<b>Affil Type Desc:</b> <b>Entity Name:</b> <b>Entity Title:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Country:</b> <b>Zip Code:</b> <b>Phone:</b>		Legal Owner Joel J. Niblett  23442 EL TORO RD LAKE FOREST CA United States 92630 (949) 340-8216				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Affil Type Desc:** Identification Signer  
**Entity Name:** Marybeth Dionisio  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

#### Coordinates

<b>Env Int Type Code:</b>	HMBP	<b>Longitude:</b>	-117.697130
<b>Program ID:</b>	10564417	<b>Coord Name:</b>	
<b>Latitude:</b>	33.621610	<b>Ref Point Type Desc:</b>	Center of a facility or station.

<a href="#"><u>14</u></a>	1 of 1	<b>N</b>	<b>0.12 / 659.72</b>	<b>390.98 / -9</b>	<b>23242 CAVANAUGH STREET LAKE FOREST CA 92630</b>	<b>CDL</b>
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**Clue:** 1995-09-009  
**Date:** 9/6/1995  
**County:** ORANGE  
**Lab Type:** L  
**Lab Type Description:** Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

<a href="#"><u>15</u></a>	1 of 1	<b>N</b>	<b>0.13 / 700.95</b>	<b>391.54 / -9</b>	<b>STEVE DALAT 23236 CAVANAUGH RD LAKE FOREST CA 92630-4405</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC002968612  
**Gen Status Universe:** No Report  
**Contact Name:** STEVE DALAT  
**Contact Address:** 23236 CAVANAUGH RD , , LAKE FOREST , CA, 92630-4405 ,  
**Contact Phone No and Ext:** 949-981-6156  
**Contact Email:** GENEVADEGUIRE@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20180628

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<b><u>Hazardous Waste Handler Details</u></b>						
Sequence No:		1				
Receive Date:		20180628				
Handler Name:		STEVE DALAT				
Generator Status Universe:		No Report				
Source Type:		Implementer				
<b><u>Owner/Operator Details</u></b>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Other			Street 1:	23236 CAVANAUGH RD
Name:		STEVE DALAT			Street 2:	
Date Became Current:					City:	LAKE FOREST
Date Ended Current:					State:	CA
Phone:		949-981-6156			Country:	
Source Type:		Implementer			Zip Code:	92630-4405
Owner/Operator Ind:		Current Operator			Street No:	
Type:		Other			Street 1:	23236 CAVANAUGH RD
Name:		STEVE DALAT			Street 2:	
Date Became Current:					City:	LAKE FOREST
Date Ended Current:					State:	CA
Phone:		949-981-6156			Country:	
Source Type:		Implementer			Zip Code:	92630-4405
<a href="#">16</a>	1 of 7	S	0.15 / 811.69	393.71 / -7	BEACON BAY AUTO WASH 23602 EL TORO RD LAKE FOREST CA 92630	DELISTED TNK
<b><u>Delisted Storage Tanks</u></b>						
Facility ID:		4642			Latitude:	33.61998
County:		Orange			Longitude:	-117.7011
Permitting Agency:		ORANGE COUNTY				
Original Source:		UST				
Record Date:		30-JAN-2017				
<a href="#">16</a>	2 of 7	S	0.15 / 811.69	393.71 / -7	EL TORO AUTO WASH 23602 EL TORD ROAD ROCKFIELD EL TORO CA 92630	HHSS
County:		Orange				
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002e574.pdf				
<a href="#">16</a>	3 of 7	S	0.15 / 811.69	393.71 / -7	EL TORO AUTO WASH 23602 EL TORO ROAD EL TORO CA	HIST TANK
Owner Name:		BEACON BAY ENTERPRISES, INC.			No of Containers:	9
Owner Street:		260 NEWPORT CENTER DRIVE			County:	ORANGE
Owner City:		NEWPORT BEACH			Facility State:	CA
Owner State:		CA			Facility Zip:	92630
Owner Zip:		92660				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">16</a>	4 of 7	S	0.15 / 811.69	393.71 / -7	BEACON BAY AUTO WASH #06 23602 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP

**Record ID:** RO0001881  
**Case ID:** 97UT035  
**Case Type:** O  
**Case Type Desc:** Other groundwater affected (uses other than drinking water)  
**Released Substance:** Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

**Case Closed Date:**  
**Type of Closure:**

<a href="#">16</a>	5 of 7	S	0.15 / 811.69	393.71 / -7	BEACON BAY AUTO WASH #06 23602 EL TORO LAKE FOREST CA 92630	LUST
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**Global ID:** T0605902112  
**Status:** OPEN - REMEDIATION  
**Status Date:** 2003-12-18 00:00:00  
**Case Type:** LUST CLEANUP SITE  
**Date Source:** LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

**County:** ORANGE  
**Latitude:** 33.619474867  
**Longitude:** -117.701163773

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

**RB Case Number:** 083003094T  
**Local Case Number:**  
**Begin Date:** 1992-07-03 00:00:00  
**Lead Agency:** SAN DIEGO RWQCB (REGION 9)  
**Local Agency:**  
**CUF Case:** YES  
**Potential Media of Concern:** Aquifer used for drinking water supply  
**How Discovered Description:**  
**Calwater Watershed Name:** San Juan - Laguna - Aliso (901.13)  
**DWR GW Subbasin Name:**  
**Disadvantaged Community:**  
**Site History:**

**Potential COC:** Gasoline  
**How Discovered:** Tank Closure  
**Stop Method:** Close and Replace Tank  
**Stop Description:**  
**Case Worker:** LT  
**File Location:** Local Agency

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.

#### Regulatory Activity

**Action Type:** ENFORCEMENT  
**Date :** 2019-01-31 00:00:00  
**Action:** Notification - Public Notice of Case Closure

**Action Type:** ENFORCEMENT  
**Date :** 2019-01-09 00:00:00  
**Action:** Staff Letter

**Action Type:** RESPONSE  
**Date :** 2018-12-05 00:00:00  
**Action:** Request for Closure - Regulator Responded

**Action Type:** ENFORCEMENT  
**Date :** 2018-09-24 00:00:00  
**Action:** Email Correspondence

**Action Type:** ENFORCEMENT  
**Date :** 2018-05-16 00:00:00  
**Action:** Email Correspondence

**Action Type:** ENFORCEMENT  
**Date :** 2018-04-04 00:00:00

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b>		Clean Up Fund - Case Closure Review Summary Report (RSR)				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-03-16 00:00:00				
<b>Action:</b>		Email Correspondence				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2018-02-22 00:00:00				
<b>Action:</b>		Request for Closure - Regulator Responded				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2018-01-11 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-08-24 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-08-14 00:00:00				
<b>Action:</b>		Referral to Regional Board				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-03-03 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-02-22 00:00:00				
<b>Action:</b>		File review				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-27 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-09-21 00:00:00				
<b>Action:</b>		Soil and Water Investigation Workplan - Addendum - Regulator Responded				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-09-02 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-03-17 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2015-02-23 00:00:00				
<b>Action:</b>		File review				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-07-23 00:00:00				
<b>Action:</b>		File review				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-04-22 00:00:00				
<b>Action:</b>		File Review - Closure				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-06-20 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-04-30 00:00:00				
<b>Action:</b>		Clean Up Fund - Case Closure Review Summary Report (RSR)				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-04-17 00:00:00				
<b>Action:</b>		Staff Letter				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2011-06-15 00:00:00 Clean Up Fund - Case Closure Review Summary Report (RSR)				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2011-03-28 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2010-12-28 00:00:00 Clean Up Fund - Case Closure Review Summary Report (RSR)				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2010-06-21 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2010-01-05 00:00:00 Clean Up Fund - Case Closure Review Summary Report (RSR)				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2009-07-14 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-10-06 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-01-29 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2007-05-15 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2007-03-15 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2007-01-29 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2006-01-25 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		REMEDIATION 2005-03-28 00:00:00 Excavation				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		REMEDIATION 2005-03-28 00:00:00 Pump & Treat (P&T) Groundwater				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2005-03-23 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2003-09-22 00:00:00 Corrective Action Plan / Remedial Action Plan				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2003-08-06 00:00:00 * Historical Enforcement				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Action Type:** RESPONSE  
**Date :** 2003-06-23 00:00:00  
**Action:** Corrective Action Plan / Remedial Action Plan

**Action Type:** ENFORCEMENT  
**Date :** 2003-04-15 00:00:00  
**Action:** \* Historical Enforcement

**Action Type:** Other  
**Date :** 1997-09-03 00:00:00  
**Action:** Leak Reported

**Action Type:** Other  
**Date :** 1992-07-03 00:00:00  
**Action:** Leak Discovery

#### Regulatory Contacts

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	2375 NORTHSIDE DRIVE, SUITE 100
<b>Contact Name:</b>	LALITHA THOTAKURA	<b>Email:</b>	laliitha.thotakura@waterboards.ca.gov
<b>City:</b>	SAN DIEGO	<b>Phone Number:</b>	6195213002
<b>Organization Name:</b>	SAN DIEGO RWQCB (REGION 9)		

#### Status History

**Status:** Open - Remediation  
**Status Date:** 2003-12-18 00:00:00

**Status:** Open - Site Assessment  
**Status Date:** 1999-05-24 00:00:00

**Status:** Open - Case Begin Date  
**Status Date:** 1992-07-03 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	BEACON BAY AUTO WASH #06	<b>Address:</b>	23602 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	OPEN - REMEDIATION	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	13832
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	C
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	\$500,213
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902112">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902112</a>		
<b>Cleanup Status Detail:</b>	OPEN - REMEDIATION AS OF 12/18/2003		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902112&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902112&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	AQUIFER USED FOR DRINKING WATER SUPPLY		
<b>User Defined Beneficial Use:</b>	GW - AGRICULTURAL SUPPLY		
<b>DWR GW Sub Basin:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	SAN DIEGO RWQCB (REGION 9) (LEAD) - CASE #: 083003094T CASEWORKER: LALITHA THOTAKURA ORANGE COUNTY LOP - CASE #: 97UT035		

#### 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.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

**Status:** Open - Remediation  
**Date :** 12/18/2003

**Status:** Open - Site Assessment  
**Date :** 5/24/1999

**Status:** Open - Case Begin Date  
**Date :** 7/3/1992

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

**Action Type:** PUMP & TREAT (P&T) GROUNDWATER  
**Phase:**  
**Contaminant Mass Removed:**  
**Description:**

**Begin Date:** 3/28/2005  
**End Date:** 9/9/9999

**Action Type:** EXCAVATION  
**Phase:**  
**Contaminant Mass Removed:**  
**Description:**

**Begin Date:** 3/28/2005  
**End Date:** 9/9/9999

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

**Action Type:** Response Requested - Other  
**Action Date:** 12/5/2018  
**Received Issue Date:** 12/5/2018  
**Action:** Request for Closure  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=T0605902112&doc\\_id=5980395](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&doc_id=5980395)

**Action Type:** Other Regulatory Actions  
**Action Date:** 9/24/2018  
**Received Issue Date:** 9/24/2018  
**Action:** Email Correspondence  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605902112&enforcement\\_id=6371340&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6371340&template=ENFORCEMENT)

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/16/2018  
**Received Issue Date:** 5/16/2018  
**Action:** Email Correspondence  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605902112&enforcement\\_id=6358691&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6358691&template=ENFORCEMENT)

**Action Type:** Response Requested - Reports  
**Action Date:** 4/4/2018  
**Received Issue Date:** 4/4/2018  
**Action:** Clean Up Fund - 5-Year Review Summary  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=T0605902112&doc\\_id=5961236](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&doc_id=5961236)

**Action Type:** Other Regulatory Actions  
**Action Date:** 3/16/2018  
**Received Issue Date:** 3/16/2018  
**Action:** Email Correspondence  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605902112&enforcement\\_id=6351608&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6351608&template=ENFORCEMENT)

**Action Type:** Response Requested - Other  
**Action Date:** 2/22/2018  
**Received Issue Date:** 2/22/2018  
**Action:** Request for Closure - Regulator Responded  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=T0605902112&doc\\_id=5958078](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&doc_id=5958078)

**Action Type:** Response Requested - Reports  
**Action Date:** 1/11/2018



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Received Issue Date:</b>		1/11/2018				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5954260">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5954260</a>				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		8/24/2017				
<b>Received Issue Date:</b>		8/24/2017				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5942408">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5942408</a>				
<b>Action Type:</b>		Referral to Other Agency				
<b>Action Date:</b>		8/14/2017				
<b>Received Issue Date:</b>		8/14/2017				
<b>Action:</b>		Referral to Regional Board				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6329774&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6329774&amp;temptable=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/3/2017				
<b>Received Issue Date:</b>		3/3/2017				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6313389&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6313389&amp;temptable=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/22/2017				
<b>Received Issue Date:</b>		2/22/2017				
<b>Action:</b>		File review				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/27/2016				
<b>Received Issue Date:</b>		9/27/2016				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6299380&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6299380&amp;temptable=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		9/21/2016				
<b>Received Issue Date:</b>		9/21/2016				
<b>Action:</b>		Soil and Water Investigation Workplan - Addendum - Regulator Responded				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5901456">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5901456</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/2/2016				
<b>Received Issue Date:</b>		9/2/2016				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6297578&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6297578&amp;temptable=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/17/2016				
<b>Received Issue Date:</b>		3/17/2016				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6279348&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6279348&amp;temptable=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/23/2015				
<b>Received Issue Date:</b>		2/23/2015				
<b>Action:</b>		File review				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/23/2013				
<b>Received Issue Date:</b>		7/23/2013				
<b>Action:</b>		File review				
<b>Doc Link:</b>						

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/22/2013				
<b>Received Issue Date:</b>		4/22/2013				
<b>Action:</b>		File Review - Closure				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/20/2012				
<b>Received Issue Date:</b>		6/20/2012				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6125712&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6125712&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/17/2012				
<b>Received Issue Date:</b>		4/17/2012				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6118994&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6118994&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		3/5/2012				
<b>Received Issue Date:</b>		3/5/2012				
<b>Action:</b>		Clean Up Fund - 5-Year Review Summary				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5735906">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5735906</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/28/2011				
<b>Received Issue Date:</b>		3/28/2011				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6082235&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6082235&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		2/10/2011				
<b>Received Issue Date:</b>		2/10/2011				
<b>Action:</b>		Clean Up Fund - 5-Year Review Summary				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5715134">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5715134</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/21/2010				
<b>Received Issue Date:</b>		6/21/2010				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6054259&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6054259&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		1/5/2010				
<b>Received Issue Date:</b>		1/5/2010				
<b>Action:</b>		Clean Up Fund - 5-Year Review Summary				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5702036">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902112&amp;doc_id=5702036</a>				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		1/5/2010				
<b>Received Issue Date:</b>		1/5/2010				
<b>Action:</b>		Clean Up Fund - 5-Year Review Summary				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/14/2009				
<b>Received Issue Date:</b>		7/14/2009				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6020988&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6020988&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/6/2008				
<b>Received Issue Date:</b>		10/6/2008				
<b>Action:</b>		Staff Letter				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=5989734&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/29/2008				
<b>Received Issue Date:</b>		1/29/2008				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/15/2007				
<b>Received Issue Date:</b>		5/15/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/15/2007				
<b>Received Issue Date:</b>		3/15/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/29/2007				
<b>Received Issue Date:</b>		1/29/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/25/2006				
<b>Received Issue Date:</b>		1/25/2006				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Cleanup Action				
<b>Action Date:</b>		3/28/2005				
<b>Received Issue Date:</b>						
<b>Action:</b>		Pump & Treat (P&T) Groundwater				
<b>Doc Link:</b>						
<b>Action Type:</b>		Cleanup Action				
<b>Action Date:</b>		3/28/2005				
<b>Received Issue Date:</b>						
<b>Action:</b>		Excavation				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/23/2005				
<b>Received Issue Date:</b>		3/23/2005				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		9/22/2003				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Doc Link:</b>						
<b>Action Type:</b>		Enforcement/Orders				
<b>Action Date:</b>		8/6/2003				
<b>Received Issue Date:</b>		8/6/2003				
<b>Action:</b>		* Historical Enforcement				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		6/23/2003				
<b>Received Issue Date:</b>		7/31/2003				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Doc Link:</b>						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Type:		Enforcement/Orders				
Action Date:		4/15/2003				
Received Issue Date:		4/15/2003				
Action:		* Historical Enforcement				
Doc Link:						
Action Type:		Leak Action				
Action Date:		9/3/1997				
Received Issue Date:						
Action:		Leak Reported				
Doc Link:						
Action Type:		Leak Action				
Action Date:		7/3/1992				
Received Issue Date:						
Action:		Leak Discovery				
Doc Link:						
<b><u>LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)</u></b>						
Title:		GEO_MAP				
Link:		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5619796574/T0605902112.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5619796574/T0605902112.pdf</a>				
Size :		171 KB				
Submitted By:		C. JAMES & ASSOCIATES, INC. (AUTH_RP)				
Submitted:		10/11/2005				
<b><u>LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)</u></b>						
Document Type:	Site Documents			Size :	7,159 KB	
Document Date:	12/5/2018			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REQUEST FOR CLOSURE			Submitted:		
Title:	RESPONSE TO ATC CORRESPONDENCE					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9676190316/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9676190316/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :		
Document Date:	9/24/2018			Submitted By:	LALITHA THOTAKURA (REGULATOR)	
Type:	EMAIL CORRESPONDENCE			Submitted:		
Title:	WELL DESTRUCTION ACTIVITIES					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6371340">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6371340</a>					
Document Type:	Site Documents			Size :		
Document Date:	5/16/2018			Submitted By:	LALITHA THOTAKURA (REGULATOR)	
Type:	EMAIL CORRESPONDENCE			Submitted:		
Title:	ATC GROUP SERVICES LLC COMMENTS ON CLOSURE					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6358691">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6358691</a>					
Document Type:	Site Documents			Size :		
Document Date:	4/4/2018			Submitted By:	SUKHMANI BRAR (REGULATOR)	
Type:	CLEAN UP FUND - 5-YEAR REVIEW SUMMARY			Submitted:		
Title:	13832 4TH RSR CONCUR WITH CLOSURE MARCH 2018					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;document_id=5961236">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;document_id=5961236</a>					
Document Type:	Site Documents			Size :		
Document Date:	3/16/2018			Submitted By:	LALITHA THOTAKURA (REGULATOR)	
Type:	EMAIL CORRESPONDENCE			Submitted:		
Title:	RESPONSE TO CLOSURE REQUEST					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6351608">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&amp;enforcement_id=6351608</a>					
Document Type:	Site Documents			Size :	6,946 KB	
Document Date:	2/9/2018			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REQUEST FOR CLOSURE			Submitted:		
Title:	FOURTH QUARTER 2017 GROUNDWATER MONITORING REPORT AND CONCEPTUAL SITE MODEL					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8177362263/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8177362263/T0605902112.PDF</a>					
Document Type:	Monitoring Reports			Size :	7,057 KB	
Document Date:	12/13/2017			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	THIRD QUARTER 2017 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9530456781/T0605902112.PDF					
<b>Document Type:</b>	Site Documents		<b>Size :</b>			
<b>Document Date:</b>	8/14/2017		<b>Submitted By:</b>		GENIECE HIGGINS (REGULATOR)	
<b>Type:</b>	REFERRAL TO REGIONAL BOARD		<b>Submitted:</b>			
<b>Title:</b>	SDRWQCB SITE TRANSFER NOTICE					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6329774					
<b>Document Type:</b>	Monitoring Reports		<b>Size :</b>		20,342 KB	
<b>Document Date:</b>	8/11/2017		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	2ND QUARTER 2017 GROUNDWATER MONITORING REPORT REMEDIAL ACTION					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6525567829/T0605902112.PDF					
<b>Document Type:</b>	Monitoring Reports		<b>Size :</b>		13,842 KB	
<b>Document Date:</b>	4/28/2017*		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	1ST QUARTER 2017 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1151831269/T0605902112.PDF					
<b>Document Type:</b>	Site Documents		<b>Size :</b>			
<b>Document Date:</b>	3/3/2017		<b>Submitted By:</b>		SHYAMALA RAJAGOPAL (REGULATOR)	
<b>Type:</b>	STAFF LETTER		<b>Submitted:</b>			
<b>Title:</b>	COMMENTS TO 4Q16 GW MONITORING AND REMEDIAL ACTION STATUS REPORT					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6313389					
<b>Document Type:</b>	Site Documents		<b>Size :</b>			
<b>Document Date:</b>	9/27/2016		<b>Submitted By:</b>		KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER		<b>Submitted:</b>			
<b>Title:</b>	WORK PLAN					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6299380					
<b>Document Type:</b>	Site Documents		<b>Size :</b>		4,020 KB	
<b>Document Date:</b>	9/15/2016		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	SOIL AND WATER INVESTIGATION		<b>Submitted:</b>			
<b>Title:</b>	WORKPLAN - ADDENDUM					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1198286592/T0605902112.PDF					
<b>Document Type:</b>	Site Documents		<b>Size :</b>			
<b>Document Date:</b>	9/2/2016		<b>Submitted By:</b>		KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER		<b>Submitted:</b>			
<b>Title:</b>	WELL INSTALLATION WORK PLAN					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6297578					
<b>Document Type:</b>	Monitoring Reports		<b>Size :</b>		24,135 KB	
<b>Document Date:</b>	4/12/2016		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	1ST QUARTER 2016 GROUNDWATER MONITORING REPORT REMEDIAL ACTION					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8219198822/T0605902112.PDF					
<b>Document Type:</b>	Site Documents		<b>Size :</b>			
<b>Document Date:</b>	3/17/2016		<b>Submitted By:</b>		KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER		<b>Submitted:</b>			
<b>Title:</b>	CASE STATUS REVIEW					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902112&enforcement_id=6279348					
<b>Document Type:</b>	Monitoring Reports		<b>Size :</b>		15,003 KB	
<b>Document Date:</b>	1/26/2015		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	FOURTH QUARTER 2014 GROUNDWATER MONITORING REPORT REMEDIAL ACTION					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2229315400/T0605902112.PDF					
<b>Document Type:</b>	Monitoring Reports		<b>Size :</b>		13,771 KB	
<b>Document Date:</b>	11/7/2014*		<b>Submitted By:</b>		C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY		<b>Submitted:</b>			
<b>Title:</b>	THIRD QUARTER 2014 GROUNDWATER MONITORING REPORT REMEDIAL ACTION					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	14,335 KB	
<b>Document Date:</b>	8/11/2014*			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	16,403 KB	
<b>Document Date:</b>	5/5/2014*			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT REMEDIAL ACTION					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	7,281 KB	
<b>Document Date:</b>	3/21/2014			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
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<b>Document Date:</b>	10/20/2008*			<b>Submitted By:</b>	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Document Date:</b>	4/25/2007				<b>Submitted By:</b> C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
<b>Type:</b>	REPORTS - OTHER				<b>Submitted:</b>	
<b>Title:</b>	CAP3 04.18.07					
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<b>Type:</b>	REPORTS - QUARTERLY STATUS REPORT				<b>Submitted:</b>	

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Document Date:	9/27/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - QUARTERLY STATUS REPORT			Submitted:		
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Document Date:	8/8/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - QUARTERLY STATUS REPORT			Submitted:		
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Document Type:	Site Documents			Size :	3,024 KB	
Document Date:	6/16/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - QUARTERLY STATUS REPORT			Submitted:		
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Document Date:	6/15/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - OTHER			Submitted:		
Title:	SOIL/GW EXCAVATION & DISPOSAL 8.12.05 PART 1					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6453933537/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6453933537/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :	7,921 KB	
Document Date:	6/15/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - OTHER			Submitted:		
Title:	SOIL/GW EXCAVATION & DISPOSAL 8.12.05 PART 3					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8074201822/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8074201822/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :	10,890 KB	
Document Date:	6/15/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - OTHER			Submitted:		
Title:	SOIL/GW EXCAVATION & DISPOSAL 8.12.05 PART 2					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2382047891/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2382047891/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :	3,574 KB	
Document Date:	5/17/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - OTHER			Submitted:		
Title:	MW INSTALLATION REPORT 4.10.06					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2295489251/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2295489251/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :	3,510 KB	
Document Date:	4/27/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	REPORTS - QUARTERLY STATUS REPORT			Submitted:		
Title:	1Q2005					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7823576211/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7823576211/T0605902112.PDF</a>					
Document Type:	Site Documents			Size :	1,169 KB	
Document Date:	4/27/2006			Submitted By:	C. JAMES & ASSOCIATES, INC. (AUTH_RP)	
Type:	WORKPLANS - OTHER WP			Submitted:		
Title:	WORK PLAN 01.10.2006					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5885253727/T0605902112.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5885253727/T0605902112.PDF</a>					
<hr/>						
<a href="#">16</a>	6 of 7	S	0.15 / 811.69	393.71 / -7	MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #1291 23602 EL TORO RD LAKE FOREST CA 92630-4786	RCRA NON GEN
EPA Handler ID:	CAL000313984					
Gen Status Universe:	No Report					
Contact Name:	SEAN AKERS					
Contact Address:	P.O. BOX 87586 , , VANCOUVER , WA, 98687-7856 ,					
Contact Phone No and Ext:	360-784-5217					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact Email:	HSE@BANFIELD.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20061204

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

**Hazardous Waste Handler Details**

Sequence No:	1
Receive Date:	20061204
Handler Name:	MEDICAL MANAGEMENT INTERNATIONAL INC DBA BANFIELD PET HOSPITAL #1291
Generator Status Universe:	No Report
Source Type:	Implementer

**Owner/Operator Details**

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	P.O. BOX 87586
Name:	SEAN AKERS	Street 2:	
Date Became Current:		City:	VANCOUVER
Date Ended Current:		State:	WA
Phone:	360-784-5217	Country:	
Source Type:	Implementer	Zip Code:	98687-7856

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	P.O. BOX 87586
Name:	MEDICAL MANAGEMENT INTERNATIONAL IN	Street 2:	
Date Became Current:		City:	VANCOUVER
Date Ended Current:		State:	WA
Phone:	360-784-5119	Country:	
Source Type:	Implementer	Zip Code:	98687-7856

<a href="#">16</a>	7 of 7	S	0.15 / 811.69	393.71 / -7	PETSMART #1291 23602 EL TORO RD LAKE FOREST CA 92630	RCRA NON GEN
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EPA Handler ID:	CAL000400880
Gen Status Universe:	No Report
Contact Name:	KEN DOBIAS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Contact Address:</b>		3481 PLANO PARKWAY , , THE COLONY , TX, 75056 ,				
<b>Contact Phone No and Ext:</b>		972-464-0004				
<b>Contact Email:</b>		KEN.DOBAS@QUESTRMG.COM				
<b>Contact Country:</b>						
<b>County Name:</b>		ORANGE				
<b>EPA Region:</b>		09				
<b>Land Type:</b>						
<b>Receive Date:</b>		20140930				

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20140930  
**Handler Name:** PETSMART #1291  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	19601 N 27TH AVE
<b>Name:</b>	PETSMART CABLE SYSTEMS COMPANY II LP	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	PHOENIX
<b>Date Ended Current:</b>		<b>State:</b>	AZ
<b>Phone:</b>	623-587-2912	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	85027-4008
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	3481 PLANO PARKWAY
<b>Name:</b>	KEN DOBIAS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	THE COLONY
<b>Date Ended Current:</b>		<b>State:</b>	TX
<b>Phone:</b>	972-464-0004	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	75056

[17](#)

1 of 1

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0.17 /  
895.66

392.94 /  
-7

ULTA BEAUTY 467  
 23608 EL TORO RD  
 LAKE FOREST CA 92630-4786

RCRA  
NON GEN

EPA Handler ID: CAL000388889

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Gen Status Universe:</b>		No Report				
<b>Contact Name:</b>		JEREMY HOJNICKI				
<b>Contact Address:</b>		1000 REMINGTON BLVD STE 120 , , BOLINGBROOK , IL, 60440 ,				
<b>Contact Phone No and Ext:</b>		630-296-1552				
<b>Contact Email:</b>		JHOJNICKI@ULTA.COM				
<b>Contact Country:</b>						
<b>County Name:</b>		ORANGE				
<b>EPA Region:</b>		09				
<b>Land Type:</b>						
<b>Receive Date:</b>		20130823				

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20130823  
**Handler Name:** ULTA BEAUTY 467  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1000 REMINGTON BLVD STE 120
<b>Name:</b>	JEREMY HOJNICKI	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	BOLINGBROOK
<b>Date Ended Current:</b>		<b>State:</b>	IL
<b>Phone:</b>	630-296-1552	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	60440

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1000 REMINGTON BLVD
<b>Name:</b>	ULTA SALON COSMETICS & FRAGRANCE	<b>Street 2:</b>	SUITE 120
	IN	<b>City:</b>	BOLINGBROOK
<b>Date Became Current:</b>		<b>State:</b>	IL
<b>Date Ended Current:</b>		<b>Country:</b>	
<b>Phone:</b>	630-410-4800	<b>Zip Code:</b>	60440
<b>Source Type:</b>	Implementer		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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LAKE FOREST CA 92630

**EPA Handler ID:** CAC002977553  
**Gen Status Universe:** No Report  
**Contact Name:** GARY & SHELLIE SHAUL  
**Contact Address:** 24471 REDLEN ST , , LAKE FOREST , CA, 92630 ,  
**Contact Phone No and Ext:** 949-636-5094  
**Contact Email:** ADMIN@VIKINGENVIRO.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20180824

Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20180824  
**Handler Name:** GARY & SHELLIE SHAUL  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	24471 REDLEN ST
<b>Name:</b>	GARY & SHELLIE SHAUL	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-636-5094	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	24471 REDLEN ST
<b>Name:</b>	GARY & SHELLIE SHAUL	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LAKE FOREST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-636-5094	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">19</a>	1 of 1	S	0.19 / 986.85	391.37 / -9	HOMEGOODS 0366 23614 EL TORO RD LAKE FOREST CA 92630-4786	RCRA NON GEN

**EPA Handler ID:** CAL000401807  
**Gen Status Universe:** No Report  
**Contact Name:** PAUL KANGAS  
**Contact Address:** 770 COCHITUATE RD , 300.1AN , FRAMINGHAM , MA, 01701 ,  
**Contact Phone No and Ext:** 774-308-3651  
**Contact Email:** PAUL\_KANGAS@TJX.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20141104

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20141104  
**Handler Name:** HOMEGOODS 0366  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

**Owner/Operator Ind:** Current Owner  
**Type:** Other  
**Name:** HOMEGOODS INC  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 774-308-3651  
**Source Type:** Implementer

**Street No:**  
**Street 1:** 770 COCHITUATE RD  
**Street 2:**  
**City:** FRAMINGHAM  
**State:** MA  
**Country:**  
**Zip Code:** 01701

**Owner/Operator Ind:** Current Operator  
**Type:** Other  
**Name:** PAUL KANGAS  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 774-308-3651  
**Source Type:** Implementer

**Street No:**  
**Street 1:** 770 COCHITUATE RD  
**Street 2:** 300.1AN  
**City:** FRAMINGHAM  
**State:** MA  
**Country:**  
**Zip Code:** 01701

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">20</a>	1 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS 23374 EL TORO RD EL TORO CA 926300000	DRYCLEANERS
EPA ID: CAD983588708		Owner Phone: 9499512744				
Create Date: 7/9/1991		Owner Fax: 0000000000				
Facility Act Ind: Yes		Contact Name: TONY MERCIYAN				
Inact Date:		Contact Street 1: 23374 ELTORO RD				
Reason: SIC/NAICS		Contact Street 2:				
County Name: Orange		Contact City: LAKE FOREST				
Region Code: 4		Contact State: CA				
Owner Name: TONY MERCIYAN		Contact Zip: 92630				
Owner Street 1: 23374 EL TORO RD		Contact Phone: 9499512744				
Owner Street 2:		Mail Name:				
Owner City: LAKE FOREST		DD Latitude: 33.623333				
Owner State: CA		DD Longitude: -117.696896				
Owner Zip: 926300000						
NAICS Details						
NAICS Code: 81232						
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)						
SIC Code: 7211						
SIC Description: Power Laundries, Family and Commercial						
<a href="#">20</a>	2 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS 23374 EL TORO RD EL TORO CA 926300000	DRYCLEANERS
EPA ID: CAL000034591		Owner Phone: 0000000000				
Create Date: 5/16/1990		Owner Fax:				
Facility Act Ind: No		Contact Name: TONY MERC, OWNER				
Inact Date: 6/30/1999		Contact Street 1: INACT 99VQ FINAL NOTICE - BATCH				
Reason: Cleaners		Contact Street 2: 4/11/00				
County Name: Orange		Contact City: LAKE FOREST				
Region Code: 4		Contact State: CA				
Owner Name: MERCIYAN ANTRANIK H		Contact Zip: 926304807				
Owner Street 1: --		Contact Phone: 7149512744				
Owner Street 2:		Mail Name:				
Owner City: --		DD Latitude:				
Owner State: 99		DD Longitude:				
Owner Zip: --						
<a href="#">20</a>	3 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS 23374 EL TORO RD LAKE FOREST CA 926300000	DRYCLEANERS
EPA ID: CAC001312240		Owner Phone: 7149611408				
Create Date: 5/18/1998		Owner Fax:				
Facility Act Ind: No		Contact Name: RUEY LAI				
Inact Date: 10/25/2000		Contact Street 1: 7111 GARDEN GROVE BLVD STE 115				
Reason: Cleaners		Contact Street 2:				
County Name: Orange		Contact City: GARDEN GROVE				
Region Code: 4		Contact State: CA				
Owner Name: PLAZA EL TORO INVESTORS		Contact Zip: 928410000				
Owner Street 1: 18220 IMPERIAL HWY		Contact Phone: 7148943236				
Owner Street 2:		Mail Name:				
Owner City: YORBA LINDA		DD Latitude:				
Owner State: CA		DD Longitude:				
Owner Zip: 926860000						
<a href="#">20</a>	4 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC 'N SPAN CLEANERS 23374 EL TORO RD LAKE FOREST CA 92630	EMISSIONS



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>2016 Toxic Data</b>						
Facility ID:	94696			TS:		
Facility SIC Code:	7216			HRA:		
CERR CODE:				CH Index:		
COID:	ORA			AH Index:		
CO:	30			Air Basin:	SC	
DISN:	SOUTH COAST AQMD			District:	SC	
CHAPIS:						
<b>2017 Toxic Data</b>						
Facility ID:	94696			COID:	ORA	
Facility SIC Code:	7216			DISN:	SOUTH COAST AQMD	
CO:	30			CHAPIS:		
Air Basin:	SC			CERR Code:		
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<a href="#">20</a>	5 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS 23374 EL TORO RD EL TORO CA 92630	FED DRYCLEANERS
FRS Facility ID:	110002848802					
NPDES IDs:						
NAICS Codes:	81232					
SIC Codes:						
Latitude:	33.623315					
Longitude:	-117.696944					
<a href="#">20</a>	6 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS & LAUNDRY 23374 EL TORO RD LAKE FOREST CA 92630	ORANGE ICP
Record ID:	RO0000644			Status Description:	CLOSED	
Case ID:	98IC014			Case Closed Date:	7/13/1998	
Released Substance(s):	PERCHLOROETHYLENE SOLVENTS- HALOGENATED					
Type of Closure:	Closure certification issued					
<a href="#">20</a>	7 of 7	ENE	0.19 / 999.86	407.68 / 7	SPIC N SPAN CLEANERS 23374 EL TORO RD EL TORO CA 92630	RCRA SQG
EPA Handler ID:	CAD983588708					
Gen Status Universe:	Small Quantity Generator					
Contact Name:	H ANTRANIK					
Contact Address:	23374 EL TORO RD , , EL TORO , CA, 92630 , US					
Contact Phone No and Ext:	714-951-2744					
Contact Email:						
Contact Country:	US					
County Name:	ORANGE					
EPA Region:	09					
Land Type:	Other					
Receive Date:	19910709					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19910709  
**Handler Name:** SPIC N SPAN CLEANERS  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Notification

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	NOT REQUIRED
<b>Name:</b>	ANTRANIK H MERCIYAN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	NOT REQUIRED
<b>Date Ended Current:</b>		<b>State:</b>	ME
<b>Phone:</b>	415-555-1212	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	99999
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	NOT REQUIRED
<b>Name:</b>	NOT REQUIRED	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	NOT REQUIRED
<b>Date Ended Current:</b>		<b>State:</b>	ME
<b>Phone:</b>	415-555-1212	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	99999

<a href="#">21</a>	1 of 1	SSW	0.20 / 1,037.65	390.77 / -10	AARON BROTHERS #0308 23622 EL TORO RD STE A LAKE FOREST CA 92630-4786	RCRA NON GEN
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**EPA Handler ID:** CAL000407538  
**Gen Status Universe:** No Report  
**Contact Name:** RYAN DRAPER  
**Contact Address:** 8000 BENT BRANCH DR , , IRVING , TX, 75063 ,  
**Contact Phone No and Ext:** 972-409-5786  
**Contact Email:** DRAPERR@MICHAELS.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20150605

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20150605  
**Handler Name:** AARON BROTHERS #0308  
**Generator Status Universe:** No Report  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	8000 BENT BRANCH DR
<b>Name:</b>	RYAN DRAPER	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	IRVING
<b>Date Ended Current:</b>		<b>State:</b>	TX
<b>Phone:</b>	972-409-5786	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	75063

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	8000 BENT BRANCH DR
<b>Name:</b>	MICHAELS INC	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	IRVING
<b>Date Ended Current:</b>		<b>State:</b>	TX
<b>Phone:</b>	972-409-5786	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	75063

<a href="#">22</a>	1 of 1	ENE	0.21 / 1,133.85	408.88 / 8	CVS PHARMACY # 9541 23330 EL TORO ROAD LAKE FOREST CA 92630	RCRA LQG
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**EPA Handler ID:** CAR000236927  
**Gen Status Universe:** Large Quantity Generator  
**Contact Name:** NICOLE WILKINSON  
**Contact Address:** 1 , CVS DRIVE , , WOONSOCKET , RI, 02895 , US  
**Contact Phone No and Ext:** 401-770-7132  
**Contact Email:** NICOLE.WILKINSON@CVSHEALTH.COM  
**Contact Country:** US  
**County Name:** PLACER  
**EPA Region:** 09



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Land Type:	Private
Receive Date:	20180301

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

#### Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20180301
Handler Name:	CVS PHARMACY # 9541
Generator Status Universe:	Large Quantity Generator
Source Type:	Annual/Biennial Report update with Notification

#### Waste Code Details

Hazardous Waste Code:	141
Waste Code Description:	Off-specification, aged, or surplus inorganics
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	311
Waste Code Description:	Pharmaceutical waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Waste Code Description:		CHROMIUM				
Hazardous Waste Code:		D009				
Waste Code Description:		MERCURY				
Hazardous Waste Code:		D010				
Waste Code Description:		SELENIUM				
Hazardous Waste Code:		D024				
Waste Code Description:		M-CRESOL				
Hazardous Waste Code:		P001				
Waste Code Description:		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%				
Hazardous Waste Code:		P075				
Waste Code Description:		NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS				
Hazardous Waste Code:		U002				
Waste Code Description:		2-PROPANONE (I) (OR) ACETONE (I)				
Hazardous Waste Code:		U034				
Waste Code Description:		ACETALDEHYDE, TRICHLORO- (OR) CHLORAL				
Hazardous Waste Code:		U129				
Waste Code Description:		CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE				
Hazardous Waste Code:		U165				
Waste Code Description:		NAPHTHALENE				
Hazardous Waste Code:		U205				
Waste Code Description:		SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		20160826				
Handler Name:		CVS PHARMACY #9541				
Generator Status Universe:		Large Quantity Generator				
Source Type:		Annual/Biennial Report update with Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code:		122				
Waste Code Description:		Alkaline solution without metals (pH > 12.5)				
Hazardous Waste Code:		141				
Waste Code Description:		Off-specification, aged, or surplus inorganics				
Hazardous Waste Code:		181				
Waste Code Description:		Other inorganic solid waste				
Hazardous Waste Code:		214				
Waste Code Description:		Unspecified solvent mixture				
Hazardous Waste Code:		311				
Waste Code Description:		Pharmaceutical waste				
Hazardous Waste Code:		331				
Waste Code Description:		Off-specification, aged, or surplus organics				
Hazardous Waste Code:		791				
Waste Code Description:		Liquids with pH < 2				
Hazardous Waste Code:		D001				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
Hazardous Waste Code:		D007				
Waste Code Description:		CHROMIUM				
Hazardous Waste Code:		D009				
Waste Code Description:		MERCURY				
Hazardous Waste Code:		D010				
Waste Code Description:		SELENIUM				
Hazardous Waste Code:		D024				
Waste Code Description:		M-CRESOL				
Hazardous Waste Code:		P001				
Waste Code Description:		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%				
Hazardous Waste Code:		P075				
Waste Code Description:		NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS				
Hazardous Waste Code:		U002				
Waste Code Description:		2-PROPANONE (I) (OR) ACETONE (I)				
Hazardous Waste Code:		U129				
Waste Code Description:		CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE				
Hazardous Waste Code:		U205				
Waste Code Description:		SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		20130327				
Handler Name:		CVS PHARMACY NO 9541				
Generator Status Universe:		Large Quantity Generator				
Source Type:		Notification				
<u>Waste Code Details</u>						
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
Hazardous Waste Code:		D002				
Waste Code Description:		CORROSIVE WASTE				
Hazardous Waste Code:		D009				
Waste Code Description:		MERCURY				
Hazardous Waste Code:		P001				
Waste Code Description:		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%				
Hazardous Waste Code:		P042				
Waste Code Description:		1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE				
Hazardous Waste Code:		P075				
Waste Code Description:		NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS				
Hazardous Waste Code:		P081				
Waste Code Description:		1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	32
<b>Type:</b>	Private	<b>Street 1:</b>	SIDNEY BAY DR
<b>Name:</b>	PLAZA EL TORO INVESTORS LTD PARTNERSHIP	<b>Street 2:</b>	
<b>Date Became Current:</b>	19981201	<b>City:</b>	NEWPORT COAST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>		<b>Country:</b>	US
<b>Source Type:</b>	Annual/Biennial Report update with Notification	<b>Zip Code:</b>	92657
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	
<b>Name:</b>	LONGS DRUG STORES CALIFORNIA LLC	<b>Street 2:</b>	
<b>Date Became Current:</b>	20081022	<b>City:</b>	
<b>Date Ended Current:</b>		<b>State:</b>	
<b>Phone:</b>		<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	32
<b>Type:</b>	Private	<b>Street 1:</b>	SIDNEY BAY DR
<b>Name:</b>	PLAZA EL TORO INVESTORS LTD PARTNERSHIP	<b>Street 2:</b>	
<b>Date Became Current:</b>	19981201	<b>City:</b>	NEWPORT COAST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-715-3561	<b>Country:</b>	US
<b>Source Type:</b>	Annual/Biennial Report update with Notification	<b>Zip Code:</b>	92657
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	1
<b>Type:</b>	Private	<b>Street 1:</b>	CVS DRIVE
<b>Name:</b>	LONGS DRUG STORES CALIFORNIA, L.L.C	<b>Street 2:</b>	
<b>Date Became Current:</b>	20081022	<b>City:</b>	WOONSOCKET
<b>Date Ended Current:</b>		<b>State:</b>	RI
<b>Phone:</b>	401-765-1500	<b>Country:</b>	US
<b>Source Type:</b>	Annual/Biennial Report update with Notification	<b>Zip Code:</b>	02895
<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	
<b>Name:</b>	LONGS DRUG STORES CALIFORNIA, L.L.C	<b>Street 2:</b>	
<b>Date Became Current:</b>	20081022	<b>City:</b>	
<b>Date Ended Current:</b>		<b>State:</b>	
<b>Phone:</b>		<b>Country:</b>	
<b>Source Type:</b>	Annual/Biennial Report update with Notification	<b>Zip Code:</b>	
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	32 SIDNEY BAY DR
<b>Name:</b>	PLAZA EL TORO INVESTORS LTD PARTNERSHIP	<b>Street 2:</b>	
<b>Date Became Current:</b>	19981201	<b>City:</b>	NEWPORT COAST
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	949-715-3561	<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	92657-2105

<a href="#">23</a>	1 of 4	SSW	0.24 / 1,276.42	388.28 / -12	XPRESS CLEANERS 23635 EL TORO RD STE H1 LAGUNA HILLS CA 92630	DRYCLEANERS
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<b>EPA ID:</b>	CAL000277217	<b>Owner Phone:</b>	9495879481
<b>Create Date:</b>	12/12/2003 10:40:15 AM	<b>Owner Fax:</b>	
<b>Facility Act Ind:</b>	No	<b>Contact Name:</b>	LYE DE VERA
<b>Inact Date:</b>	9/28/2005	<b>Contact Street 1:</b>	23635 EL TORO RD STE H1
<b>Reason:</b>	SIC/NAICS	<b>Contact Street 2:</b>	
<b>County Name:</b>	Orange	<b>Contact City:</b>	LAKE FOREST
<b>Region Code:</b>	4	<b>Contact State:</b>	CA
<b>Owner Name:</b>	WILMA DIANGKINAY	<b>Contact Zip:</b>	92630
<b>Owner Street 1:</b>	23635 EL TORO RD STE H1	<b>Contact Phone:</b>	9495879481

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner Street 2:</b> <b>Owner City:</b> LAKE FOREST <b>Owner State:</b> CA <b>Owner Zip:</b> 92630						
<b>Mail Name:</b> <b>DD Latitude:</b> 33.619056 <b>DD Longitude:</b> -117.702516						
<b>NAICS Details</b>						
<b>NAICS Code:</b> 81232 <b>NAICS Description:</b> Drycleaning and Laundry Services (except Coin-Operated) <b>SIC Code:</b> 7211 <b>SIC Description:</b> Power Laundries, Family and Commercial						
<a href="#">23</a>	2 of 4	SSW	0.24 / 1,276.42	388.28 / -12	XPRESS CLEANERS 23635 EL TORO RD EL TORO CA 926300000	DRYCLEANERS
<b>EPA ID:</b> CAD983581729 <b>Create Date:</b> 5/7/1991 <b>Facility Act Ind:</b> No <b>Inact Date:</b> 6/30/2007 <b>Reason:</b> Cleaners <b>County Name:</b> Orange <b>Region Code:</b> 4 <b>Owner Name:</b> CORDIAL CARE CORP <b>Owner Street 1:</b> 1100 E 45TH WAY <b>Owner Street 2:</b> <b>Owner City:</b> LONG BEACH <b>Owner State:</b> CA <b>Owner Zip:</b> 90807						
<b>Owner Phone:</b> 5624239325 <b>Owner Fax:</b> <b>Contact Name:</b> PERLITA L. DE VERA <b>Contact Street 1:</b> 1100 45TH WAY <b>Contact Street 2:</b> <b>Contact City:</b> LONG BEACH <b>Contact State:</b> CA <b>Contact Zip:</b> 908070000 <b>Contact Phone:</b> 5622251206 <b>Mail Name:</b> <b>DD Latitude:</b> <b>DD Longitude:</b>						
<a href="#">23</a>	3 of 4	SSW	0.24 / 1,276.42	388.28 / -12	XPRESS CLEANERS 23635 EL TORO RD STE H1 EL TORO CA 926304748	DRYCLEANERS
<b>EPA ID:</b> CAL000315300 <b>Create Date:</b> 1/11/2007 1:57:29 PM <b>Facility Act Ind:</b> No <b>Inact Date:</b> 1/18/2008 <b>Reason:</b> SIC/NAICS <b>County Name:</b> Orange <b>Region Code:</b> 4 <b>Owner Name:</b> MARIO HERRERA <b>Owner Street 1:</b> 23635 EL TORO RD STE H1 <b>Owner Street 2:</b> <b>Owner City:</b> EL TORO <b>Owner State:</b> CA <b>Owner Zip:</b> 926304748						
<b>Owner Phone:</b> 9494725080 <b>Owner Fax:</b> <b>Contact Name:</b> MARIO HERRERA <b>Contact Street 1:</b> 23635 EL TORO RD STE H1 <b>Contact Street 2:</b> <b>Contact City:</b> EL TORO <b>Contact State:</b> CA <b>Contact Zip:</b> 926304748 <b>Contact Phone:</b> 9494725080 <b>Mail Name:</b> <b>DD Latitude:</b> 33.618315 <b>DD Longitude:</b> -117.703389						
<b>NAICS Details</b>						
<b>NAICS Code:</b> 81232 <b>NAICS Description:</b> Drycleaning and Laundry Services (except Coin-Operated) <b>SIC Code:</b> 7211 <b>SIC Description:</b> Power Laundries, Family and Commercial						
<a href="#">23</a>	4 of 4	SSW	0.24 / 1,276.42	388.28 / -12	XPRESS CLEANERS 23635 EL TORO RD EL TORO CA 92630	RCRA SQG
<b>EPA Handler ID:</b> CAD983581729 <b>Gen Status Universe:</b> Small Quantity Generator <b>Contact Name:</b> HUNG TRAN <b>Contact Address:</b> 23635 EL TORO RD , , EL TORO , CA, 92630 , US <b>Contact Phone No and Ext:</b> 714-587-9481						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Contact Email:						
Contact Country:		US				
County Name:		ORANGE				
EPA Region:		09				
Land Type:						
Receive Date:		19910507				
<hr/>						
<u>Violation/Evaluation Summary</u>						
Note:		NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).				
<hr/>						
<u>Handler Summary</u>						
Importer Activity:		No				
Mixed Waste Generator:		No				
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<hr/>						
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		19910507				
Handler Name:		XPRESS CLEANERS				
Generator Status Universe:		Small Quantity Generator				
Source Type:		Notification				
<hr/>						
<u>Owner/Operator Details</u>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Private			Street 1:	NOT REQUIRED
Name:		TRAN ANTHONY HUNG			Street 2:	
Date Became Current:					City:	NOT REQUIRED
Date Ended Current:					State:	ME
Phone:		415-555-1212			Country:	
Source Type:		Notification			Zip Code:	99999
<hr/>						
Owner/Operator Ind:		Current Operator			Street No:	
Type:		Private			Street 1:	NOT REQUIRED
Name:		NOT REQUIRED			Street 2:	
Date Became Current:					City:	NOT REQUIRED
Date Ended Current:					State:	ME
Phone:		415-555-1212			Country:	
Source Type:		Notification			Zip Code:	99999



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Contact Address:</b>		US				
<b>Contact Phone No and Ext:</b>						
<b>Contact Email:</b>						
<b>Contact Country:</b>		US				
<b>County Name:</b>		ORANGE				
<b>EPA Region:</b>		09				
<b>Land Type:</b>						
<b>Receive Date:</b>		19960901				

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19960901  
**Handler Name:** ACC BEST 1 HOUR PHOTO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	NOT REQUIRED
<b>Name:</b>	NACY GWE TSAI	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	NOT REQUIRED
<b>Date Ended Current:</b>		<b>State:</b>	ME
<b>Phone:</b>	415-555-1212	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	99999

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	NOT REQUIRED
<b>Name:</b>	NOT REQUIRED	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	NOT REQUIRED
<b>Date Ended Current:</b>		<b>State:</b>	ME
<b>Phone:</b>	415-555-1212	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	99999

[25](#)

1 of 1

N

0.28 /  
1,453.33

383.71 /  
-17

UNOCAL #6186  
24382 MUIRLANDS  
LAKE FOREST CA 92630

LUST

**Global ID:** T0605901205 **County:** ORANGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.6269455
<b>Status Date:</b>	1994-06-21 00:00:00	<b>Longitude:</b>	-117.7022362
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	083001581T	<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	91UT084	<b>How Discovered:</b>	Tank Closure
<b>Begin Date:</b>	1991-08-08 00:00:00	<b>Stop Method:</b>	Close and Remove Tank
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	YES	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Soil		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)		
<b>DWR GW Subbasin Name:</b>	Coastal Plain Of Orange County (8-001)		
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

#### Regulatory Activity

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	1994-06-21 00:00:00
<b>Action:</b>	Closure/No Further Action Letter
<b>Action Type:</b>	REMEDIATION
<b>Date :</b>	1994-01-18 00:00:00
<b>Action:</b>	Excavation
<b>Action Type:</b>	Other
<b>Date :</b>	1991-08-08 00:00:00
<b>Action:</b>	Leak Discovery
<b>Action Type:</b>	Other
<b>Date :</b>	1991-08-08 00:00:00
<b>Action:</b>	Leak Reported

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E. DYER ROAD SUITE 120
<b>Contact Name:</b>	JAMES STROZIER	<b>Email:</b>	jstrozier@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336273
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 MAIN STREET, SUITE 500
<b>Contact Name:</b>	NANCY OLSON-MARTIN	<b>Email:</b>	nolson-martin@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

#### Status History

<b>Status:</b>	Completed - Case Closed
<b>Status Date:</b>	1994-06-21 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	1991-08-08 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Site Facility Name:</b>	UNOCAL #6186	<b>Address:</b>	24382 MUIRLANDS
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	7580
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	D
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR, IND, PROC		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901205">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901205</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 6/21/1994		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901205&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901205&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	SOIL		
<b>User Defined Beneficial Use:</b>			
<b>DWR GW Sub Basin:</b>	Coastal Plain Of Orange County (8-001)		
<b>Calwater Watershed Name:</b>	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 91UT084 CASEWORKER: KEVIN LAMBERT CASEWORKER: JAMES STROZIER SANTA ANA RWQCB (REGION 8) - CASE #: 083001581T CASEWORKER: NANCY OLSON-MARTIN		

**Site History:**

No site history available

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	6/21/1994
<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	8/8/1991

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

<b>Action Type:</b>	EXCAVATION	<b>Begin Date:</b>	1/18/1994
<b>Phase:</b>		<b>End Date:</b>	9/9/9999
<b>Contaminant Mass Removed:</b>			
<b>Description:</b>			

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	6/21/1994
<b>Received Issue Date:</b>	6/21/1994
<b>Action:</b>	Closure/No Further Action Letter
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901205&amp;enforcement_id=6326521&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901205&amp;enforcement_id=6326521&amp;template=ENFORCEMENT</a>
<b>Action Type:</b>	Cleanup Action
<b>Action Date:</b>	1/18/1994
<b>Received Issue Date:</b>	
<b>Action:</b>	Excavation
<b>Doc Link:</b>	
<b>Action Type:</b>	Leak Action
<b>Action Date:</b>	8/8/1991



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Received Issue Date:  
 Action: Leak Reported  
 Doc Link:

Action Type: Leak Action  
 Action Date: 8/8/1991  
 Received Issue Date:  
 Action: Leak Discovery  
 Doc Link:

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

Document Type:	Site Documents	Size :	
Document Date:	6/21/1994	Submitted By:	GENIECE HIGGINS (REGULATOR)
Type:	CLOSURE/NO FURTHER ACTION LETTER	Submitted:	
Title:	RACC		
Title Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901205&enforcement_id=6326521		

<a href="#">26</a>	1 of 1	SSW	0.29 / 1,507.98	389.38 / -11	THE ORCHARD SHOPPING CENTER, FORMER SILVER CLEANERS 23684 EL TORO ROAD LAKE FOREST CA 92630	CLEANUP SITES
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Global ID:	SL0605942036	Site Facility Type:	CLEANUP PROGRAM SITE
Status:	OPEN - SITE ASSESSMENT	County:	ORANGE
Status Date:	2009-06-02 00:00:00	Latitude:	33.6180591063786
Site Code:		Longitude:	-117.70144701004
Data Source:	Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download		

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

RB Case Number:	SL0605942036	CUF Case:	NO
Local Case Number:		Case Worker:	MB
Begin Date:	2002-08-01 00:00:00	File Location:	Regional Board
Stop Method:			
Lead Agency:	SANTA ANA RWQCB (REGION 8)		
Local Agency:			
Potential COC:	Tetrachloroethylene (PCE)		
Potential Media of Concern:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)		
How Discovered:	Property Sale/Transaction, Site Assessment/Site Investigation		
How Discovered Description:			
Stop Description:			
Calwater Watershed Name:	San Juan - Laguna - Aliso (901.13)		
DWR GW Subbasin Name:			
Disadvantaged Community:			
Site History:			

The former Silver Dry Cleaners, which operated for 16 years (1982-1998), was located in Suite "S" (or Suite 698) of the former Saddleback Valley Plaza. Chlorinated solvents, primarily tetrachloroethylene (PCE), were first identified in soil by Hemphill, Green & Associates, LLC (HGA) in November 1999. Soil vapor sampling results from HGA's investigation indicated that PCE was present at concentrations up to 13,000 micrograms per liter (µg/l) at 2 feet below ground surface (bgs), and 5,700 µg/l at 5 feet bgs, beneath the former dry cleaner space. No other volatile organic compounds (VOCs) were detected in the soil vapor samples. Between September 2002 and late 2003, several additional soil and groundwater investigations were conducted in the vicinity of the Site. The bulk of the PCE contamination in both the vadose and saturated zones was centered on the location of the former dry cleaners. The investigations consisted of soil and groundwater sampling from borings that were advanced to depths ranging from 26 to 49 feet bgs. The maximum PCE concentration found in the soil was 370 lJg/kg. The highest concentration of PCE in groundwater was 4,100 lJg/L (geoprobe location GP-7), found in the footprint of the former dry cleaning facility, while the second highest concentration of PCE in groundwater was detected in a boring located 120 feet east of the tenant cluster (1,000 lJg/L at GP-11). In 2005, under the oversight of staff from the Orange County Health Care Agency (OCHCA), England Geoscience (EG) conducted a source area excavation at the Site. Approximately 623 cubic yards of soil were removed by successive excavations, in accordance with the OCHCA- approved cleanup goal of 50 µg/kg of PCE. At the completion of the major excavation phase, EG reported that the remedial excavation had succeeded in removing all of the PCE-impacted soil that had been identified at the Site, with the exception of one small, visibly discolored area on the western wall (at 7 feet bgs) of the deepest northwestern portion of the excavation. This residual PCE-impacted soil, which was identified by a sample containing 91 µg/kg PCE, was estimated by EG to have a volume of less than 20 cubic feet. Following the remedial excavation, concentrations of PCE in groundwater in the vicinity of GP-7 dropped from a historical maximum of 4,100 µg/L (GP-7, 2004) to 44 µg/L (monitoring well MW-1, 2012), a greater than 99% reduction. PCE concentrations in the vicinity of GP-11, however, dropped from a maximum of 1,000 µg/L (GP-11, 2004) to 280 µg/L (MW-3, 4012), only a 70% reduction. On June 5, 2013, Regional Board staff request additional investigation of soil

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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and groundwater in the vicinity of GP-11 and the area between the former dry cleaners and MW-3. We also requested that you investigate the potential existence of a secondary contaminant source zone. In response, the Supplemental Soil and Groundwater Investigation was conducted to further delineate the extent of soil and groundwater contamination in that area in June 2013. In the September 2013 report, we found the following elements of the report noteworthy: - There is an apparent trend of increasing PCE concentrations in groundwater in the southeastern portion of the Site that may indicate that the plume is migrating offsite. - Elevated concentrations of PCE (240 µg/L) were detected in grab groundwater samples at location GW-30, which is approximately 120 feet cross-gradient of the former dry cleaners, and approximately 60 feet from the Site's eastern property boundary, and a concentration of 150 µg/L was detected directly between the former dry cleaners and MW-3. - PCE was detected in a soil sample collected from the borehole at sampling location GW-29. Based on the additional grab groundwater samples and second quarter 2015 groundwater monitoring event, groundwater flow direction is to the south/southwest with 0.005 to 0.013 ft/ft.

#### **Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity**

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2019-01-24 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-06-27 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-06-06 00:00:00
<b>Action:</b>	Annual Estimation Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-01-02 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2017-11-09 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2017-05-12 00:00:00
<b>Action:</b>	Letter - Notice
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2017-05-04 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2016-11-30 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2016-11-15 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2016-08-17 00:00:00
<b>Action:</b>	Meeting
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2016-07-05 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2016-06-28 00:00:00
<b>Action:</b>	Cost Recovery Agreement / N. of Reimbursement
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2015-04-07 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2015-03-31 00:00:00
<b>Action:</b>	Soil and Water Investigation Workplan

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2014-12-29 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2014-10-03 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2014-06-26 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2014-02-27 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-11-14 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-06-21 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-06-05 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-04-10 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-12-21 00:00:00				
<b>Action:</b>		Correspondence				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-12-10 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-10-15 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-07-15 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-06-22 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-04-15 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-01-23 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-01-15 00:00:00				
<b>Action:</b>		Monitoring Report - Quarterly				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-11-18 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-09-06 00:00:00				
<b>Action:</b>		Soil and Water Investigation Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-05-26 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-10-25 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-07-06 00:00:00				
<b>Action:</b>		Site Assessment Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-06-02 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-05-25 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-05-19 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-04-28 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-01-28 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-12-15 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-11-03 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-10-07 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-08-03 00:00:00				
<b>Action:</b>		Site Investigation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-06-30 00:00:00				
<b>Action:</b>		Site Visit / Inspection / Sampling				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-06-02 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-05-15 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-05-12 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date :</b>		2009-04-23 00:00:00				
<b>Action:</b>		Site Visit / Inspection / Sampling				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-03-12 00:00:00				
<b>Action:</b>		Meeting				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2005-06-15 00:00:00				
<b>Action:</b>		Correspondence				
<b>Action Type:</b>		REMEDATION				
<b>Date :</b>		2005-01-31 00:00:00				
<b>Action:</b>		Excavation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2004-05-10 00:00:00				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				
<b>Action Type:</b>		Other				
<b>Date :</b>		1999-11-01 00:00:00				
<b>Action:</b>		Leak Reported				
<b>Action Type:</b>		Other				
<b>Date :</b>		1999-11-01 00:00:00				
<b>Action:</b>		Leak Discovery				

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2009-06-02 00:00:00
<b>Status:</b>	Open - Remediation
<b>Status Date:</b>	2005-01-31 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2002-08-01 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	2002-08-01 00:00:00

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 Main St, Suite 500
<b>Contact Name:</b>	Mona Behrooz	<b>City:</b>	RIVERSIDE
<b>Phone Number:</b>	9517823237		
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		
<b>Email:</b>	mehrnoosh.behrooz@waterboards.ca.gov		

**Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Project Status:</b>		<b>WDR Place Type:</b>	
<b>CUF Claim:</b>		<b>WDR File:</b>	
<b>CUF Priority Assign:</b>		<b>WDR Order:</b>	
<b>CUF Amount Paid:</b>		<b>File Location:</b>	REGIONAL BOARD
<b>User Defined Beneficial Use:</b>			
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	http://geotracker.waterboards.ca.gov/profile_report?global_id=SL0605942036		
<b>Cleanup Status Detail:</b>	OPEN - SITE ASSESSMENT AS OF 6/2/2009		
<b>Cleanup History Link:</b>	http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0605942036&tabname=regulatoryhistory		
<b>Potential COC:</b>	TETRACHLOROETHYLENE (PCE)		
<b>Potential Media Of Concern:</b>	AQUIFER USED FOR DRINKING WATER SUPPLY, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)		
<b>DWR GW Sub Basin:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Post Closure Site Management:**

**Future Land Use:**

**Cleanup Oversight Agencies:** SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: SL0605942036  
CASEWORKER: Mona Behrooz  
ORANGE COUNTY - CASE #: 05IC001

**Site History:**

The former Silver Dry Cleaners, which operated for 16 years (1982-1998), was located in Suite "S" (or Suite 698) of the former Saddleback Valley Plaza. Chlorinated solvents, primarily tetrachloroethylene (PCE), were first identified in soil by Hemphill, Green & Associates, LLC (HGA) in November 1999. Soil vapor sampling results from HGA's investigation indicated that PCE was present at concentrations up to 13,000 micrograms per liter (µg/l) at 2 feet below ground surface (bgs), and 5,700 µg/l at 5 feet bgs, beneath the former dry cleaner space. No other volatile organic compounds (VOCs) were detected in the soil vapor samples.

Between September 2002 and late 2003, several additional soil and groundwater investigations were conducted in the vicinity of the Site. The bulk of the PCE contamination in both the vadose and saturated zones was centered on the location of the former dry cleaners. The investigations consisted of soil and groundwater sampling from borings that were advanced to depths ranging from 26 to 49 feet bgs. The maximum PCE concentration found in the soil was 370 lJg/kg. The highest concentration of PCE in groundwater was 4,100 lJg/L (geoprobe location GP-7), found in the footprint of the former dry cleaning facility, while the second highest concentration of PCE in groundwater was detected in a boring located 120 feet east of the tenant cluster (1 ,000 lJg/L at GP-11).

In 2005, under the oversight of staff from the Orange County Health Care Agency (OCHCA), England Geoscience (EG) conducted a source area excavation at the Site. Approximately 623 cubic yards of soil were removed by successive excavations, in accordance with the OCHCA- approved cleanup goal of 50 µg/kg of PCE.

At the completion of the major excavation phase, EG reported that the remedial excavation had succeeded in removing all of the PCE-impacted soil that had been identified at the Site, with the exception of one small, visibly discolored area on the western wall (at 7 feet bgs) of the deepest northwestern portion of the excavation. This residual PCE-impacted soil, which was identified by a sample containing 91 µg/kg PCE, was estimated by EG to have a volume of less than 20 cubic feet. Following the remedial excavation, concentrations of PCE in groundwater in the vicinity of GP-7 dropped from a historical maximum of 4,100 µg/L (GP-7, 2004) to 44 µg/L (monitoring well MW-1, 2012), a greater than 99% reduction. PCE concentrations in the vicinity of GP-11, however, dropped from a maximum of 1,000 µg/L (GP-11, 2004) to 280 µg/L (MW-3, 4012), only a 70% reduction.

On June 5, 2013, Regional Board staff request additional investigation of soil and groundwater in the vicinity of GP-11 and the area between the former dry cleaners and MW-3. We also requested that you investigate the potential existence of a secondary contaminant source zone. In response, the Supplemental Soil and Groundwater Investigation was conducted to further delineate the extent of soil and groundwater contamination in that area in June 2013. In the September 2013 report, we found the following elements of the report noteworthy:

- There is an apparent trend of increasing PCE concentrations in groundwater in the southeastern portion of the Site that may indicate that the plume is migrating offsite.

- Elevated concentrations of PCE (240 µg/L) were detected in grab groundwater samples at location GW-30, which is approximately 120 feet cross-gradient of the former dry cleaners, and approximately 60 feet from the Site's eastern property boundary, and a concentration of 150 µg/L was detected directly between the former dry cleaners and MW-3.

- PCE was detected in a soil sample collected from the borehole at sampling location GW-29.

Based on the additional grab groundwater samples and second quarter 2015 groundwater monitoring event, groundwater flow direction is to the south/southwest with 0.005 to 0.013 ft/ft.

**Cleanup Program Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

<b>Action Type:</b>	EXCAVATION	<b>Begin Date:</b>	1/31/2005
<b>Phase:</b>	Soil	<b>End Date:</b>	3/10/2005
<b>Description:</b>	OCHCA oversaw excavation of the contaminated soil. Contaminated soil hauled to Chemical Waste Management's Facility in Kettleman Hills, CA		

**Contaminant Mass Removed:**

**Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	
<b>Received Issue Date:</b>	
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Doc Link:</b>	
<b>Title Description Comments:</b>	

<b>Action Type:</b>	Other Regulatory Actions
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Action Date:**  
**Received Issue Date:**  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**  
**Title Description Comments:**

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/27/2018  
**Received Issue Date:** 6/27/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6362460&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6362460&temp_table=ENFORCEMENT)  
**Title Description Comments:**

RE The Results of Groundwater Investigation

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/6/2018  
**Received Issue Date:** 6/6/2018  
**Action:** Annual Estimation Letter  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6360327&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6360327&temp_table=ENFORCEMENT)  
**Title Description Comments:**

The Orchard Shopping Center

**Action Type:** Other Regulatory Actions  
**Action Date:** 1/2/2018  
**Received Issue Date:** 1/2/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6344587&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6344587&temp_table=ENFORCEMENT)  
**Title Description Comments:**

RE Work Plan for Additional Groundwater Investigation

**Action Type:** Other Regulatory Actions  
**Action Date:** 11/9/2017  
**Received Issue Date:** 11/9/2017  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6344101&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6344101&temp_table=ENFORCEMENT)  
**Title Description Comments:**

RE Third Quarter 2017 Groundwater Monitoring Report

**Action Type:** Notices  
**Action Date:** 5/12/2017  
**Received Issue Date:** 5/12/2017  
**Action:** Letter - Notice  
**Doc Link:**  
**Title Description Comments:**

Annual Cost Estimate

**Action Type:** Notices  
**Action Date:** 5/12/2017  
**Received Issue Date:** 5/12/2017  
**Action:** Letter - Notice  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6319795&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6319795&temp_table=ENFORCEMENT)  
**Title Description Comments:**

Annual Cost Estimate

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/4/2017				
<b>Received Issue Date:</b>		5/4/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319074&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319074&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Data Transmittal Report- Supplemental Groundwater Investigation Report						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/30/2016				
<b>Received Issue Date:</b>		11/30/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6304785&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6304785&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Work Plan for Groundwater Treatability Study						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/15/2016				
<b>Received Issue Date:</b>		11/15/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6303568&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6303568&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Work Plan for Supplemental Groundwater Investigation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/17/2016				
<b>Received Issue Date:</b>		8/17/2016				
<b>Action:</b>		Meeting				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6295302&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6295302&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
OTP-Silver Cleaners Meeting Summary						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/5/2016				
<b>Received Issue Date:</b>		7/5/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290667&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290667&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Request for the most updated CSM						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/5/2016				
<b>Received Issue Date:</b>		7/5/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290666&amp;temp table=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290666&amp;temp table=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Re: Work Plan for the Sanitary Sewer Survey and Piezometer Installation						
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		6/28/2016				
<b>Received Issue Date:</b>		6/28/2016				
<b>Action:</b>		Cost Recovery Agreement / N. of Reimbursement				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6289587&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		Annual Cost Estimation Letter				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/7/2015				
<b>Received Issue Date:</b>		4/7/2015				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6241237&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		Concurrence with Work Plan for Additional Groundwater Investigation				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		3/31/2015				
<b>Received Issue Date:</b>		3/31/2015				
<b>Action:</b>		Soil and Water Investigation Workplan				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5836895				
<b>Title Description Comments:</b>		Work Plan for Additional Groundwater Investigation				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		12/29/2014				
<b>Received Issue Date:</b>		12/29/2014				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6231923&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		COMMENTS ON THE OCTOBER 2014 DATA TRANSMITTAL REPORT FOR THE PRELIMINARY SOIL VAPOR SAMPLING PROGRAM				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/3/2014				
<b>Received Issue Date:</b>		10/3/2014				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6223439&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		COMMENTS ON THE SEPTEMBER 2014 PREMINARY SOIL VAPOR INVESTIGATION WORK PLAN				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/26/2014				
<b>Received Issue Date:</b>		6/26/2014				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6209918&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		Comments on the June 2014 Supplemental Site Assessment				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/27/2014				
<b>Received Issue Date:</b>		2/27/2014				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6193965&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>		Comments on 10FEB14 Work Plan for Supplemental GW Investigation				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Action Type:** Other Regulatory Actions  
**Action Date:** 11/14/2013  
**Received Issue Date:** 11/14/2013  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6182689&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6182689&temp_table=ENFORCEMENT)

**Title Description Comments:**

Comments on Supplemental GW Investigation (plus revised version)

**Action Type:** Agreements  
**Action Date:** 6/21/2013  
**Received Issue Date:** 6/21/2013  
**Action:** Cost Recovery Agreement / N. of Reimbursement  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6165233&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6165233&temp_table=ENFORCEMENT)

**Title Description Comments:**

ANNUAL ESTIMATE FOR COST RECOVERY LETTER

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/5/2013  
**Received Issue Date:** 6/5/2013  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6165218&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6165218&temp_table=ENFORCEMENT)

**Title Description Comments:**

COMMENTS ON THE WORK PLAN FOR SUPPLEMENTAL GROUNDWATER INVESTIGATION

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/10/2013  
**Received Issue Date:** 4/10/2013  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6156384&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6156384&temp_table=ENFORCEMENT)

**Title Description Comments:**

COMMENT ON THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/10/2013  
**Received Issue Date:** 4/10/2013  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6156384&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6156384&temp_table=ENFORCEMENT)

**Title Description Comments:**

Comment on Third Quarter 2012 Groundwater Monitoring Report

**Action Type:** Response Requested - Other  
**Action Date:** 12/21/2012  
**Received Issue Date:** 1/11/2013  
**Action:** Correspondence  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6156384&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6156384&temp_table=ENFORCEMENT)

**Title Description Comments:**

signed Cost Recovery agreement (change in RP)

**Action Type:** Agreements  
**Action Date:** 12/10/2012  
**Received Issue Date:** 12/10/2012  
**Action:** Cost Recovery Agreement / N. of Reimbursement  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6156384&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6156384&temp_table=ENFORCEMENT)

**Title Description Comments:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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New Cost Recovery Agreement for new property owner/responsible party. Sent email to Bill Kugel of Schottenstein Property Group (new property owner)with info on the cost recovery program with an agreement and fee title form for signature.

**Action Type:** Response Requested - Reports  
**Action Date:** 10/15/2012  
**Received Issue Date:**  
**Action:** Monitoring Report - Quarterly  
**Doc Link:**  
**Title Description Comments:**

3rd Quarter 2012 Groundwater Monitoring Report

**Action Type:** Response Requested - Reports  
**Action Date:** 7/15/2012  
**Received Issue Date:** 1/30/2013  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5725887](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5725887)  
**Title Description Comments:**

2nd Quarter 2012 Groundwater Monitoring Report

**Action Type:** Agreements  
**Action Date:** 6/22/2012  
**Received Issue Date:** 6/22/2012  
**Action:** Cost Recovery Agreement / N. of Reimbursement  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6126431&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6126431&temp_table=ENFORCEMENT)  
**Title Description Comments:**

Annual Estimate for Cost Recovery letter

**Action Type:** Response Requested - Reports  
**Action Date:** 4/15/2012  
**Received Issue Date:** 5/14/2012  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5725886](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5725886)  
**Title Description Comments:**

1st Quarter 2012 Groundwater Monitoring Report - PCE 270 ppb at MW-3, PCE 7.5 ppb at MW-4

**Action Type:** Response Requested - Reports  
**Action Date:** 1/23/2012  
**Received Issue Date:** 1/23/2012  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5730110](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5730110)  
**Title Description Comments:**

2nd Quarter 2011 Groundwater Monitoring Report

**Action Type:** Response Requested - Reports  
**Action Date:** 1/23/2012  
**Received Issue Date:** 1/23/2012  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5730111](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5730111)  
**Title Description Comments:**

3rd Quarter 2011 Groundwater Monitoring Report

**Action Type:** Response Requested - Reports  
**Action Date:** 1/23/2012  
**Received Issue Date:** 1/23/2012  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5730109](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5730109)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Title Description Comments:**

1st Quarter 2011 Groundwater Monitoring Report

**Action Type:** Response Requested - Reports  
**Action Date:** 1/15/2012  
**Received Issue Date:** 1/23/2012  
**Action:** Monitoring Report - Quarterly  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5725885](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5725885)  
**Title Description Comments:**

Well installation and 4th Quarter 2011 Groundwater Monitoring Report

**Action Type:** Other Regulatory Actions  
**Action Date:** 11/18/2011  
**Received Issue Date:** 11/18/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6104534&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6104534&temp_table=ENFORCEMENT)

**Title Description Comments:**

Response to Well Installation and 4th Quarter 2010 Groundwater Monitoring report

**Action Type:** Response Requested - Reports  
**Action Date:** 9/6/2011  
**Received Issue Date:** 9/6/2011  
**Action:** Soil and Water Investigation Report  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5721902](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5721902)  
**Title Description Comments:**

Well Installation and Fourth Quarter 2010 Groundwater Monitoring Report

**Action Type:** Agreements  
**Action Date:** 5/26/2011  
**Received Issue Date:** 5/26/2011  
**Action:** Cost Recovery Agreement / N. of Reimbursement  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6087980&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6087980&temp_table=ENFORCEMENT)

**Title Description Comments:**

Annual Estimate letter

**Action Type:** Other Regulatory Actions  
**Action Date:** 10/25/2010  
**Received Issue Date:** 10/25/2010  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**  
**Title Description Comments:**

Phone call from consultant Ann Loomis of PES Env. checking status of my review of Oct. 8, 2010 Addendum. They are proposing to collect additional groundwater grab samples South of sample GW-20 (450 ug/l PCE). I told her that I had no objections to them proceeding with collection of the GW samples. Ann said they were planning to do the field work on Thursday October 28, 2010.

**Action Type:** Response Requested - Reports  
**Action Date:** 7/6/2010  
**Received Issue Date:** 10/13/2010  
**Action:** Site Assessment Report  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5698804](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5698804)  
**Title Description Comments:**

Addendum to Work Plan for Additional Groundwater Investigation - June 14 and 15, 2010, PES advanced eight borings at five locations. The three CPT boreholes were advanced to approximately 70 feet below ground surface (bgs) for lithologic characterization. Another borehole was advanced at each CPT location for collection of groundwater samples. Tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in groundwater sample GW-20-21 (collected at 21 feet bgs) at concentration of 450 microgram/liter (µg/l) and 11 µg/l respectively. PCE and TCE were also detected in groundwater sample CPTGW-2-20 located north of the GW-20-21 samples. The results were at 200 µg/l for and 330 µg/l for PCE, and 7.4 and 9.3 µg/l for TCE. The



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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recommendations in the addendum are to advance three additional borings for collection of groundwater samples and one CPT boring for lithologic characterization

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/2/2010  
**Received Issue Date:** 6/2/2010  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**  
**Title Description Comments:**

Phone call from consultant Ann Loomis of PES. Scheduling drilling for mid June. Ann said she had received authorization to implement the work plan and is planning to be drilling by mid-June and is still on track to submit the report by the due date in our concurrence letter.

**Action Type:** Agreements  
**Action Date:** 5/25/2010  
**Received Issue Date:** 5/25/2010  
**Action:** Cost Recovery Agreement / N. of Reimbursement  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6052001&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6052001&temp_table=ENFORCEMENT)  
**Title Description Comments:**

Annual Estimate for Cost Recovery letter

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/19/2010  
**Received Issue Date:** 5/19/2010  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**  
**Title Description Comments:**

Phone call from consultant. Implementation of work plan maybe delayed. The client has internally approved the proposal to implement the work plan. However they are having some financial difficulties and will need to borrow funds to implement the work plan. They are currently applying for a loan. Unknown how long of a delay this will be.

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/28/2010  
**Received Issue Date:** 4/28/2010  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL0605942036&enforcement\\_id=6049495&temp\\_table=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6049495&temp_table=ENFORCEMENT)  
**Title Description Comments:**

Response to Work Plan for Additional Groundwater Investigation

**Action Type:** Other Regulatory Actions  
**Action Date:** 1/28/2010  
**Received Issue Date:** 1/28/2010  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**  
**Title Description Comments:**

Contacted consultant and she stated that the work plan was posted to GeoTracker today.

**Action Type:** Response Requested - Workplans  
**Action Date:** \*12/15/2009  
**Received Issue Date:** 1/28/2010  
**Action:** Other Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL0605942036&doc\\_id=5659820](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5659820)  
**Title Description Comments:**

Work Plan for Additional Groundwater Investigation

**Action Type:** Other Regulatory Actions  
**Action Date:** 11/3/2009

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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<b>Received Issue Date:</b>		11/3/2009				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6035013&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>						
COMMENTS ON GROUNDWATER INVESTIGATION REPORT FOR FORMER SILVER DRY CLEANERS						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/7/2009				
<b>Received Issue Date:</b>		10/7/2009				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6032166&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>						
Change in RB program manager						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		8/3/2009				
<b>Received Issue Date:</b>		8/18/2009				
<b>Action:</b>		Site Investigation				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>						
Groundwater Investigation Report						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/30/2009				
<b>Received Issue Date:</b>		6/30/2009				
<b>Action:</b>		Site Visit / Inspection / Sampling				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6031966&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>						
Site Inspection Report						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/2/2009				
<b>Received Issue Date:</b>		6/2/2009				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6015558&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>						
Approval of Groundwater Investigation Work Plan						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		5/15/2009				
<b>Received Issue Date:</b>		5/15/2009				
<b>Action:</b>		Other Workplan				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5641093				
<b>Title Description Comments:</b>						
Groundwater Investigation Work Plan - Reviewed the work plan and discussed with the consultant.						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/12/2009				
<b>Received Issue Date:</b>		5/12/2009				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6031967&temp table=ENFORCEMENT				
<b>Title Description Comments:</b>						
Record of Communication						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Type:		Other Regulatory Actions				
Action Date:		4/23/2009				
Received Issue Date:		4/23/2009				
Action:		Site Visit / Inspection / Sampling				
Doc Link:		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6031964&temp table=ENFORCEMENT				
Title Description Comments:						
Site Inspection Report						
Action Type:		Other Regulatory Actions				
Action Date:		3/12/2009				
Received Issue Date:		3/12/2009				
Action:		Meeting				
Doc Link:		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6031951&temp table=ENFORCEMENT				
Title Description Comments:						
Meeting Summary Report						
Action Type:		Response Requested - Other				
Action Date:		6/15/2005				
Received Issue Date:		6/15/2005				
Action:		Correspondence				
Doc Link:		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0605942036&doc_id=5652152				
Title Description Comments:						
Orange County Health Care Agency Case Closure for the Soil						
Action Type:		Cleanup Action				
Action Date:		1/31/2005				
Received Issue Date:						
Action:		Excavation				
Doc Link:						
Title Description Comments:						
OCHCA oversaw excavation of the contaminated soil. Contaminated soil hauled to Chemical Waste Management's Facility in Kettleman Hills, CA						
Action Type:		Agreements				
Action Date:		5/10/2004				
Received Issue Date:		5/10/2004				
Action:		Cost Recovery Agreement / N. of Reimbursement				
Doc Link:		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&enforcement_id=6144119&temp table=ENFORCEMENT				
Title Description Comments:						
Oversight Cost Reimbursement for Spill, Leaks, Investigations and Cleanups (SLIC)Program						
Action Type:		Leak Action				
Action Date:		11/1/1999				
Received Issue Date:						
Action:		Leak Discovery				
Doc Link:						
Title Description Comments:						
Action Type:		Leak Action				
Action Date:		11/1/1999				
Received Issue Date:						
Action:		Leak Reported				
Doc Link:						
Title Description Comments:						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)</b>						
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/15/2018			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	23,698 KB					
<b>Title:</b>	THIRD QUARTER 2018 GROUNDWATER MONITORING AND WELL COMPLETION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3789908289/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3789908289/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	7/31/2018			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	9,953 KB					
<b>Title:</b>	SECOND QUARTER 2018 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9605713129/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9605713129/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/27/2018			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE THE RESULTS OF GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6362460">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6362460</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/6/2018			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	THE ORCHARD SHOPPING CENTER					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6360327">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6360327</a>					
<b>Type:</b>	ANNUAL ESTIMATION LETTER					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	4/30/2018			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	9,731 KB					
<b>Title:</b>	FIRST QUARTER 2018 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3942270100/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3942270100/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	4/30/2018			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	8,603 KB					
<b>Title:</b>	RESULTS OF GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2175657808/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2175657808/SL0605942036.PDF</a>					
<b>Type:</b>	REMEDIAL INVESTIGATION REPORT					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	1/31/2018			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	10,797 KB					
<b>Title:</b>	FOURTH QUARTER 2017					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3309860467/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3309860467/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	1/2/2018			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6344587">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6344587</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	12/20/2017			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	5,412 KB					
<b>Title:</b>	WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6421148896/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6421148896/SL0605942036.PDF</a>					
<b>Type:</b>	SITE INVESTIGATION WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/9/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title:</b>		RE THIRD QUARTER 2017 GROUNDWATER MONITORING REPORT				
<b>Title Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6344101">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6344101</a>				
<b>Type:</b>		TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/13/2017			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	11,420 KB					
<b>Title:</b>	THIRD QUARTER 2017					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5123153924/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5123153924/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	7/14/2017			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	13,590 KB					
<b>Title:</b>	SECOND QUARTER 2017 MONITORING AND WELL COMPLETION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2371725678/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2371725678/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/12/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	ANNUAL COST ESTIMATE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319795">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319795</a>					
<b>Type:</b>	LETTER - NOTICE					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/4/2017			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE DATA TRANSMITTAL REPORT- SUPPLEMENTAL GROUNDWATER INVESTIGATION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319074">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6319074</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	4/13/2017			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	10,974 KB					
<b>Title:</b>	FIRST QUARTER 2017					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1946466267/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1946466267/SL0605942036.PDF</a>					
<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	2/28/2017			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	13,725 KB					
<b>Title:</b>	SUPPLEMENTAL GROUNDWATER INVESTIGATION AND FOURTH QUARTER 2016 MONITORING EVENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7818197846/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7818197846/SL0605942036.PDF</a>					
<b>Type:</b>	REMEDIAL INVESTIGATION REPORT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/30/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE WORK PLAN FOR GROUNDWATER TREATABILITY STUDY					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6304785">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6304785</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/15/2016			<b>Submitted By:</b>	MONA BEHROOZ (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RE WORK PLAN FOR SUPPLEMENTAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6303568">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6303568</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/3/2016			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	7,871 KB					
<b>Title:</b>	WORK PLAN FOR SUPPLEMENTAL GROUNDWATER INVESTIGATION AND GROUNDWATER TREATABILITY STUDY					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5963568329/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5963568329/SL0605942036.PDF</a>					
<b>Type:</b>	OTHER WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	10/20/2016 14,078 KB THIRD QUARTER 2016 <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6499601900/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6499601900/SL0605942036.PDF</a> OTHER REPORT / DOCUMENT				<b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 8/17/2016 OTP-SILVER CLEANERS MEETING SUMMARY <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6295302">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6295302</a> MEETING				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 8/8/2016 15,697 KB PRELIMINARY CONCEPTUAL SITE MODEL <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3292967379/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3292967379/SL0605942036.PDF</a> CONCEPTUAL SITE MODEL				<b>Submitted:</b> <b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 7/5/2016 RE: WORK PLAN FOR THE SANITARY SEWER SURVEY AND PIEZOMETER INSTALLATION <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290666">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290666</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 7/5/2016 REQUEST FOR THE MOST UPDATED CSM <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290667">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6290667</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 6/28/2016 ANNUAL COST ESTIMATION LETTER <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6289587">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6289587</a> COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 5/27/2016 3,647 KB WORK PLAN FOR SANITARY SEWER SURVEY AND PIEZOMETER INSTALLATION <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6361872076/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6361872076/SL0605942036.PDF</a> REMEDIAL INVESTIGATION WORKPLAN				<b>Submitted:</b> <b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Monitoring Reports 5/23/2016 9,477 KB FIRST QUARTER 2016 <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5727434158/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5727434158/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY				<b>Submitted:</b> <b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Monitoring Reports 2/8/2016 8,607 KB FOURTH QUARTER 2015 <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2023841559/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2023841559/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY				<b>Submitted:</b> <b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Monitoring Reports 10/30/2015 8,032 KB THIRD QUARTER 2015 <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8732172369/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8732172369/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY				<b>Submitted:</b> <b>Submitted By:</b> ANN LOOMIS (AUTH_RP)	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Size :</b>	14,283 KB					
<b>Title:</b>	DATA TRANSMITTAL REPORT ADDITIONAL GROUNDWATER INVESTIGATION AND SECOND QUARTER 2015 MONITORING EVENT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7693129122/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7693129122/SL0605942036.PDF</a>					
<b>Type:</b>	SITE INVESTIGATION					
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<b>Document Date:</b>	4/7/2015			<b>Submitted By:</b>	TOMAS EGGERS (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	CONCURRENCE WITH WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6241237">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6241237</a>					
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<b>Type:</b>	SOIL AND WATER INVESTIGATION WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	12/29/2014			<b>Submitted By:</b>	TOMAS EGGERS (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	COMMENTS ON THE OCTOBER 2014 DATA TRANSMITTAL REPORT FOR THE PRELIMINARY SOIL VAPOR SAMPLING PROGRAM					
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<b>Title:</b>	DATA TRANSMITTAL REPORT, PRELIMINARY SOIL VAPOR SAMPLING PROGRAM					
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<b>Size :</b>						
<b>Title:</b>	COMMENTS ON THE SEPTEMBER 2014 PREMINARY SOIL VAPOR INVESTIGATION WORK PLAN					
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<b>Document Date:</b>	8/7/2014			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
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<b>Size :</b>						
<b>Title:</b>	COMMENTS ON THE JUNE 2014 SUPPLEMENTAL SITE ASSESSMENT					

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<b>Document Date:</b>	1/15/2014			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	4,880 KB					
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<b>Title:</b>	SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT					
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<b>Title:</b>	ANNUAL ESTIMATE FOR COST RECOVERY LETTER					
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<b>Document Date:</b>	6/5/2013			<b>Submitted By:</b>	TOMAS EGGERS (REGULATOR)	
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					WORK PLAN FOR SUPPLEMENTAL GROUNDWATER INVESTIGATION <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2136170864/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2136170864/SL0605942036.PDF</a> SITE INVESTIGATION WORKPLAN	
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					FIRST QUARTER 2013 <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8085130214/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8085130214/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	
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					COMMENT ON THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6156384">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6156384</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
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					FOURTH QUARTER 2012 GROUNDWATER MONITORING REPORTS <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1634507656/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1634507656/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	
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					THIRD QUARTER 2012 GROUNDWATER MONITORING REPORTS <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6024644374/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6024644374/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	
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					SECOND QUARTER 2012 GROUNDWATER MONITORING REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6742326259/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6742326259/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	
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					ANNUAL ESTIMATE FOR COST RECOVERY LETTER <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6126431">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6126431</a> COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT	
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					WELL INSTALLATION AND FOURTH QUARTER 2011 GROUNDWATER MONITORING REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2711165666/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2711165666/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	
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					THIRD QUARTER 2011 GROUNDWATER MONITORING REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5469258129/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5469258129/SL0605942036.PDF</a> MONITORING REPORT - QUARTERLY	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Title:</b>	SECOND QUARTER 2011 GROUNDWATER MONITORING REPORT					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	1/17/2012			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	3,143 KB					
<b>Title:</b>	FIRST QUARTER 2011 GROUNDWATER MONITORING REPORT					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/18/2011			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RESPONSE TO WELL INSTALLATION AND 4TH QUARTER 2010 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6104534">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6104534</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/1/2011			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	12,894 KB					
<b>Title:</b>	WELL INSTALLATION AND FOURTH QUARTER 2010 GROUNDWATER MONITORING REPORT					
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<b>Type:</b>	WELL INSTALLATION REPORT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/26/2011			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	ANNUAL ESTIMATE LETTER					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6087980">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6087980</a>					
<b>Type:</b>	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/8/2010			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	3,033 KB					
<b>Title:</b>	ADDENDUM TO WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9087571501/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9087571501/SL0605942036.PDF</a>					
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<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/25/2010			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	ANNUAL ESTIMATE FOR COST RECOVERY LETTER					
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<b>Document Date:</b>	4/28/2010			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RESPONSE TO WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
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<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	1/15/2010			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	3,563 KB					
<b>Title:</b>	WORK PLAN FOR ADDITIONAL GROUNDWATER INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1001657068/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1001657068/SL0605942036.PDF</a>					
<b>Type:</b>	WELL INSTALLATION WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/3/2009			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	COMMENTS ON GROUNDWATER INVESTIGATION REPORT FOR FORMER SILVER DRY CLEANERS					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6035013">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6035013</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/17/2009			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	11,013 KB					
<b>Title:</b>	GROUNDWATER INVESTIGATION REPORT (PART 2)					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7822928190/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7822928190/SL0605942036.PDF</a>					
<b>Type:</b>	OTHER REPORT / DOCUMENT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/17/2009			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	4,876 KB					
<b>Title:</b>	GROUNDWATER INVESTIGATION REPORT (PART 1)					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1802758336/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1802758336/SL0605942036.PDF</a>					
<b>Type:</b>	OTHER REPORT / DOCUMENT					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	10/7/2009			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	CHANGE IN RB PROGRAM MANAGER					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6032166">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6032166</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/17/2009			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	863 KB					
<b>Title:</b>	ADDENDUM TO GROUNDWATER INVESTIGATION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6583284676/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6583284676/SL0605942036.PDF</a>					
<b>Type:</b>	SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/30/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	SITE INSPECTION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031966">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031966</a>					
<b>Type:</b>	SITE VISIT / INSPECTION / SAMPLING					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/2/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	APPROVAL OF GROUNDWATER INVESTIGATION WORK PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6015558">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6015558</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/15/2009			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	5,673 KB					
<b>Title:</b>	GROUNDWATER INVESTIGATION WORK PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9183938443/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9183938443/SL0605942036.PDF</a>					
<b>Type:</b>	OTHER WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/15/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	GROUNDWATER INVESTIGATION WORK PLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;document_id=5641093">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;document_id=5641093</a>					
<b>Type:</b>	OTHER WORKPLAN					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/12/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	RECORD OF COMMUNICATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031967">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031967</a>					
<b>Type:</b>	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	4/23/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	SITE INSPECTION REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031964">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031964</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Type:</b> SITE VISIT / INSPECTION / SAMPLING						
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	3/12/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	MEETING SUMMARY REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031951">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6031951</a>					
<b>Type:</b>	MEETING					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	6/15/2005			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	ORANGE COUNTY HEALTH CARE AGENCY CASE CLOSURE FOR THE SOIL - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;document_id=5652152">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;document_id=5652152</a>					
<b>Type:</b>	CORRESPONDENCE					
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	5/10/2004			<b>Submitted By:</b>	PATRICIA HANNON (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>	OVERSIGHT COST REIMBURSEMENT FOR SPILL, LEAKS, INVESTIGATIONS AND CLEANUPS (SLIC) PROGRAM					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6144119">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0605942036&amp;enforcement_id=6144119</a>					
<b>Type:</b>	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT					

**Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

<b>Title:</b>	BORING LOG MW-2 (MW-2)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	78 KB	<b>Submitted:</b>	8/24/2011
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9158246636/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9158246636/SL0605942036.PDF</a>		
<b>Title:</b>	GEO_MAP	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	1,564 KB	<b>Submitted:</b>	10/12/2013
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7910204052/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7910204052/SL0605942036.PDF</a>		
<b>Title:</b>	RESULTS OF SUPPLEMENTAL SITE ASSESSMENT AND FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT (MW-8)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	125 KB	<b>Submitted:</b>	6/9/2014
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8984635829/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8984635829/SL0605942036.PDF</a>		
<b>Title:</b>	RESULTS OF SUPPLEMENTAL SITE ASSESSMENT AND FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT (MW-9)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	127 KB	<b>Submitted:</b>	6/9/2014
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8334001660/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8334001660/SL0605942036.PDF</a>		
<b>Title:</b>	BORING LOG MW-1 (MW-1)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	74 KB	<b>Submitted:</b>	8/24/2011
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5935260832/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5935260832/SL0605942036.PDF</a>		
<b>Title:</b>	BORING LOG MW-3 (MW-3)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	75 KB	<b>Submitted:</b>	8/24/2011
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8090585291/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8090585291/SL0605942036.PDF</a>		
<b>Title:</b>	RESULTS OF SUPPLEMENTAL SITE ASSESSMENT AND FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT (MW-7)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	135 KB	<b>Submitted:</b>	6/9/2014
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6342043042/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6342043042/SL0605942036.PDF</a>		
<b>Title:</b>	2013 SUPPLEMENTAL GROUNDWATER INVESTIGATION (MULTIPLE)	<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)
<b>Size :</b>	445 KB	<b>Submitted:</b>	10/12/2013
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3997582614/SL0605942036.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3997582614/SL0605942036.PDF</a>		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title:</b>	BORING LOG MW-2D (MW-2D)			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	145 KB			<b>Submitted:</b>	1/23/2012	
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1980466485/SL0605942036.PDF					
<b>Title:</b>	BORING LOG MW-4 (MW-4)			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	75 KB			<b>Submitted:</b>	8/24/2011	
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8937220275/SL0605942036.PDF					
<b>Title:</b>	RESULTS OF SUPPLEMENTAL SITE ASSESSMENT AND FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT (MW-6)			<b>Submitted By:</b>	ANN LOOMIS (AUTH_RP)	
<b>Size :</b>	127 KB			<b>Submitted:</b>	6/9/2014	
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8670325994/SL0605942036.PDF					

**Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	6/2/2009
<b>Status:</b>	Open - Remediation
<b>Date :</b>	1/31/2005
<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	8/1/2002
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	8/1/2002

<a href="#">27</a>	1 of 1	SSW	0.31 / 1,613.98	389.22 / -11	TEXACO 23751 EL TORO LAKE FOREST CA 92630	LUST
Global ID:	T0605900581			County:	ORANGE	
Status:	COMPLETED - CASE CLOSED			Latitude:	33.6178674	
Status Date:	1991-05-06 00:00:00			Longitude:	-117.7040457	
Case Type:	LUST CLEANUP SITE					
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download					

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

<b>RB Case Number:</b>	083000732T	<b>Potential COC:</b>	Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
<b>Local Case Number:</b>	86UT218	<b>How Discovered:</b>	Tank Closure
<b>Begin Date:</b>	1986-11-13 00:00:00	<b>Stop Method:</b>	Close and Remove Tank
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	YES	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Soil		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

**Regulatory Activity**

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	1991-05-01 00:00:00
<b>Action:</b>	Closure/No Further Action Letter
<b>Action Type:</b>	REMEDIATION
<b>Date :</b>	1989-05-19 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Action: Other (Use Description Field)

Action Type: Other  
Date : 1986-11-13 00:00:00  
Action: Leak Discovery

Action Type: Other  
Date : 1986-11-13 00:00:00  
Action: Leak Reported

#### Regulatory Contacts

Contact Type:	Local Agency Caseworker	Address:	1241 E DYER ROAD SUITE 120
Contact Name:	KEVIN LAMBERT	Email:	klambert@ochca.com
City:	SANTA ANA	Phone Number:	7144336261
Organization Name:	ORANGE COUNTY LOP		

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

Contact Type:	Regional Board Caseworker	Address:	3737 MAIN STREET, SUITE 500
Contact Name:	ROSE SCOTT	Email:	rose.scott@waterboards.ca.gov
City:	RIVERSIDE	Phone Number:	9513206375
Organization Name:	SANTA ANA RWQCB (REGION 8)		

#### Status History

Status: Completed - Case Closed  
Status Date: 1991-05-06 00:00:00

Status: Open - Case Begin Date  
Status Date: 1986-11-13 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	TEXACO	Address:	23751 EL TORO
Site Facility Type:	LUST CLEANUP SITE	City:	LAKE FOREST
Cleanup Status:	COMPLETED - CASE CLOSED	Zip:	92630
Project Status:		County:	ORANGE
Potential COC:	GASOLINE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING	CUF Claim:	6149
WDR Place Type:		CUF Priority Assig:	D
WDR File:		CUF Amount Paid:	\$224,673
WDR Order:			
File Location:	LOCAL AGENCY		
Designated Beneficial Use:	MUN, AGR		
Project Oversight Agencies:			
Report Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900581">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900581</a>		
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 5/6/1991		
Cleanup History Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900581&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900581&amp;tabname=regulatoryhistory</a>		
Potential Media Of Concern:	SOIL		
User Defined Beneficial Use:	GW - MUNICIPAL AND DOMESTIC SUPPLY		
DWR GW Sub Basin:			
Calwater Watershed Name:	San Juan - Laguna - Aliso (901.13)		
Post Closure Site Management:			
Future Land Use:			
Cleanup Oversight Agencies:	ORANGE COUNTY LOP (LEAD) - CASE #: 86UT218 CASEWORKER: KEVIN LAMBERT CASEWORKER: JAMES STROZIER SANTA ANA RWQCB (REGION 8) - CASE #: 083000732T CASEWORKER: ROSE SCOTT		

#### Site History:

No site history available

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

**Status:** Completed - Case Closed  
**Date :** 5/6/1991

**Status:** Open - Case Begin Date  
**Date :** 11/13/1986

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

**Action Type:** OTHER (USE DESCRIPTION FIELD) **Begin Date:** 5/19/1989  
**Phase:** **End Date:** 10/22/1990  
**Contaminant Mass Removed:**  
**Description:**

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/1/1991  
**Received Issue Date:** 5/1/1991  
**Action:** Closure/No Further Action Letter  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605900581&enforcement\\_id=6204879&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900581&enforcement_id=6204879&template=ENFORCEMENT)

**Action Type:** Cleanup Action  
**Action Date:** 5/19/1989  
**Received Issue Date:**  
**Action:** Other (Use Description Field)  
**Doc Link:**

**Action Type:** Leak Action  
**Action Date:** 11/13/1986  
**Received Issue Date:**  
**Action:** Leak Reported  
**Doc Link:**

**Action Type:** Leak Action  
**Action Date:** 11/13/1986  
**Received Issue Date:**  
**Action:** Leak Discovery  
**Doc Link:**

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

**Document Type:** Site Documents **Size :**  
**Document Date:** 5/1/1991 **Submitted By:** PAMELA YBARRA (REGULATOR)  
**Type:** CLOSURE/NO FURTHER ACTION LETTER **Submitted:**  
**Title:** NFA LETTER AND CASE CLOSURE SUMMARY  
**Title Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605900581&enforcement\\_id=6204879](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900581&enforcement_id=6204879)

<a href="#">28</a>	1 of 1	SSW	0.35 / 1,831.42	389.51 / -11	SHELL OIL 23751 EL TORO LAKE FOREST CA 92630	LUST
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**Global ID:** T0605986985 **County:** ORANGE  
**Status:** COMPLETED - CASE CLOSED **Latitude:** 33.617528403  
**Status Date:** 2013-01-10 00:00:00 **Longitude:** -117.704743511  
**Case Type:** LUST CLEANUP SITE  
**Date Source:** LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

<b>RB Case Number:</b>		<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	03UT020	<b>How Discovered:</b>	UST System Modification
<b>Begin Date:</b>	2003-04-24 00:00:00	<b>Stop Method:</b>	Other Means
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	NO	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Aquifer used for drinking water supply		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

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.

**Regulatory Activity**

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2013-05-17 00:00:00
<b>Action:</b>	Closure/No Further Action Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2013-05-17 00:00:00
<b>Action:</b>	LOP Case Closure Summary to RB
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2013-03-25 00:00:00
<b>Action:</b>	Notification - Preclosure
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2013-01-17 00:00:00
<b>Action:</b>	Notification - Public Notice of Case Closure
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2012-10-24 00:00:00
<b>Action:</b>	Technical Correspondence / Assistance / Other
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2011-11-17 00:00:00
<b>Action:</b>	File Review - Closure
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2011-01-20 00:00:00
<b>Action:</b>	File review
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2009-07-14 00:00:00
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2007-03-16 00:00:00
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2007-02-26 00:00:00
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2007-01-24 00:00:00
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2006-12-11 00:00:00
<b>Action:</b>	Staff Letter

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2006-01-03 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2003-12-08 00:00:00				
<b>Action:</b>		Soil and Water Investigation Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2003-08-21 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2003-08-18 00:00:00				
<b>Action:</b>		Soil and Water Investigation Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2003-06-02 00:00:00				
<b>Action:</b>		Other Report / Document				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2003-05-13 00:00:00				
<b>Action:</b>		* Corrective Action Orders				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2003-05-13 00:00:00				
<b>Action:</b>		Notice of Responsibility				
<b>Action Type:</b>		Other				
<b>Date :</b>		2003-04-28 00:00:00				
<b>Action:</b>		Leak Reported				
<b>Action Type:</b>		Other				
<b>Date :</b>		2003-04-24 00:00:00				
<b>Action:</b>		Leak Discovery				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		1899-12-30 07:14:09				
<b>Action:</b>		Staff Letter				

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		

#### Status History

<b>Status:</b>	Completed - Case Closed
<b>Status Date:</b>	2013-01-10 00:00:00
<b>Status:</b>	Open - Eligible for Closure
<b>Status Date:</b>	2013-01-10 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2004-03-22 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	2003-04-24 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2003-04-24 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Site Facility Name:</b>	SHELL OIL	<b>Address:</b>	23751 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605986985">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605986985</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 1/10/2013		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605986985&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605986985&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	AQUIFER USED FOR DRINKING WATER SUPPLY		
<b>User Defined Beneficial Use:</b>			
<b>DWR GW Sub Basin:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 03UT020 CASEWORKER: KEVIN LAMBERT SAN DIEGO RWQCB (REGION 9)		

**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.

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

<b>Status:</b>	Open - Eligible for Closure
<b>Date :</b>	1/10/2013

<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	1/10/2013

<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	3/22/2004

<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	4/24/2003

<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	4/24/2003

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	5/17/2013
<b>Received Issue Date:</b>	5/17/2013
<b>Action:</b>	Closure/No Further Action Letter
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6159429&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6159429&amp;temptable=ENFORCEMENT</a>

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	5/17/2013
<b>Received Issue Date:</b>	5/17/2013
<b>Action:</b>	LOP Case Closure Summary to RB
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6159430&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6159430&amp;temptable=ENFORCEMENT</a>

<b>Action Type:</b>	Notices
<b>Action Date:</b>	3/25/2013
<b>Received Issue Date:</b>	3/25/2013



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b> <b>Doc Link:</b>		Notification - Preclosure			<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6153225&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6153225&amp;template=ENFORCEMENT</a>	
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147542&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147542&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147541&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147541&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147539&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147539&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147543&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147543&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147540&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147540&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Notices 1/17/2013 1/17/2013 Notification - Public Notice of Case Closure <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147538&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147538&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 10/24/2012 10/24/2012 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 11/17/2011 11/17/2011 File Review - Closure				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 1/20/2011 1/20/2011 File review				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 7/14/2009 7/14/2009 Staff Letter <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6021012&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6021012&amp;template=ENFORCEMENT</a>				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
		able=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/16/2007				
<b>Received Issue Date:</b>		3/16/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/26/2007				
<b>Received Issue Date:</b>		2/26/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/24/2007				
<b>Received Issue Date:</b>		1/24/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		12/11/2006				
<b>Received Issue Date:</b>		12/11/2006				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/3/2006				
<b>Received Issue Date:</b>		1/3/2006				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		12/8/2003				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Soil and Water Investigation Report				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		8/21/2003				
<b>Received Issue Date:</b>		8/21/2003				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		8/18/2003				
<b>Received Issue Date:</b>		8/13/2003				
<b>Action:</b>		Soil and Water Investigation Workplan				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		6/2/2003				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Other Report / Document				
<b>Doc Link:</b>						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		5/13/2003				
<b>Received Issue Date:</b>		5/13/2003				
<b>Action:</b>		Notice of Responsibility				
<b>Doc Link:</b>						
<b>Action Type:</b>		Enforcement/Orders				
<b>Action Date:</b>		5/13/2003				
<b>Received Issue Date:</b>		5/13/2003				
<b>Action:</b>		* Corrective Action Orders				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Date:</b>		4/28/2003				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Reported				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		4/24/2003				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Discovery				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7:14:09 AM				
<b>Received Issue Date:</b>		7:14:09 AM				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&enforcement_id=6020931&template=ENFORCEMENT				

**LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

<b>Title:</b>	GEO_MAP
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3376545011/T0605986985.PDF
<b>Size :</b>	167 KB
<b>Submitted By:</b>	GHD (CONTRACTOR)
<b>Submitted:</b>	5/1/2013*
<b>Title:</b>	GP-1 (GP-1)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2804581642/T0605986985.PDF
<b>Size :</b>	55 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	12/7/2010
<b>Title:</b>	GP-2 (GP-2)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7599015235/T0605986985.PDF
<b>Size :</b>	55 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	12/7/2010
<b>Title:</b>	GP-3 (GP-3)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3787515223/T0605986985.PDF
<b>Size :</b>	53 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	12/7/2010
<b>Title:</b>	MW-1 (MW-1)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2386806666/T0605986985.PDF
<b>Size :</b>	46 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	10/29/2008
<b>Title:</b>	B-2 (B-2)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2800554573/T0605986985.PDF
<b>Size :</b>	46 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	10/29/2008
<b>Title:</b>	MW-3 (MW-3)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8121257960/T0605986985.PDF
<b>Size :</b>	48 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	10/29/2008
<b>Title:</b>	MW-2 (MW-2)
<b>Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1269078135/T0605986985.PDF
<b>Size :</b>	48 KB
<b>Submitted By:</b>	WAYNE PERRY, INC. (CONTRACTOR)
<b>Submitted:</b>	10/29/2008



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title:</b>		B-1 (B-1)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6413345813/T0605986985.PDF				
<b>Size :</b>		47 KB				
<b>Submitted By:</b>		WAYNE PERRY, INC. (CONTRACTOR)				
<b>Submitted:</b>		10/29/2008				
<b>Title:</b>		GEO_BORE (MW-6)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3207198917/T0605986985.pdf				
<b>Size :</b>		58 KB				
<b>Submitted By:</b>		WAYNE PERRY, INC. (CONTRACTOR)				
<b>Submitted:</b>		11/5/2007				
<b>Title:</b>		GEO_BORE (MW-4)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9924244761/T0605986985.pdf				
<b>Size :</b>		56 KB				
<b>Submitted By:</b>		WAYNE PERRY, INC. (CONTRACTOR)				
<b>Submitted:</b>		11/5/2007				
<b>Title:</b>		GEO_BORE (MW-5)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8396471917/T0605986985.pdf				
<b>Size :</b>		61 KB				
<b>Submitted By:</b>		WAYNE PERRY, INC. (CONTRACTOR)				
<b>Submitted:</b>		11/5/2007				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9279264688/T0605986985.pdf				
<b>Size :</b>		66 KB				
<b>Submitted By:</b>		WAYNE PERRY, INC. (CONTRACTOR)				
<b>Submitted:</b>		10/11/2007				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9462186515/T0605986985.pdf				
<b>Size :</b>		70 KB				
<b>Submitted By:</b>		DONNA NGO (CONTRACTOR)				
<b>Submitted:</b>		7/29/2004				

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	5/17/2013	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	LOP CASE CLOSURE SUMMARY TO RB	<b>Submitted:</b>	
<b>Title:</b>	CASE CLOSURE SUMMARY		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&enforcement_id=6159430		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	5/17/2013	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	CLOSURE/NO FURTHER ACTION LETTER	<b>Submitted:</b>	
<b>Title:</b>	REMEDIAL ACTION COMPLETION CERTIFICATE		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&enforcement_id=6159429		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	1,077 KB
<b>Document Date:</b>	5/1/2013	<b>Submitted By:</b>	GHD (CONTRACTOR)
<b>Type:</b>	WELL DESTRUCTION REPORT	<b>Submitted:</b>	
<b>Title:</b>	WELL DESTRUCTION REPORT		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9356540739/T0605986985.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	3/25/2013	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	NOTIFICATION - PRECLOSURE	<b>Submitted:</b>	
<b>Title:</b>	NOTIFICATION OF PRE-CLOSURE REQUIREMENTS		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&enforcement_id=6153225		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	1/17/2013	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE	<b>Submitted:</b>	
<b>Title:</b>	DRAFT CASE CLOSURE SUMMARY SUBMISSION TO RESPONSIBLE PARTIES AND LANDOWNERS - BUCHHEIM		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Document Type:	Site Documents			Size :		
Document Date:	1/17/2013			Submitted By:	KEVIN LAMBERT (REGULATOR)	
Type:	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE			Submitted:		
Title:	DRAFT CASE CLOSURE SUMMARY SUBMISSION TO INTERESTED PARTIES - LF PLANNING DIVISION					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147543">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147543</a>					
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Title:	DRAFT CASE CLOSURE SUMMARY SUBMISSION TO RESPONSIBLE PARTIES AND LANDOWNERS - SHELL					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147538">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147538</a>					
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Type:	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE			Submitted:		
Title:	DRAFT CASE CLOSURE SUMMARY SUBMISSION TO INTERESTED PARTIES (WATER AGENCY)					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147542">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&amp;enforcement_id=6147542</a>					
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Type:	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE			Submitted:		
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Type:	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE			Submitted:		
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Document Date:	1/10/2013*			Submitted By:	GHD (CONTRACTOR)	
Type:	SENSITIVE RECEPTOR SURVEY REPORT			Submitted:		
Title:	ABANDONED GROUNDWATER MONITORING WELL MW-3					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5411069750/T0605986985.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5411069750/T0605986985.PDF</a>					
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Type:	CLOSURE REPORT			Submitted:		
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Type:	MONITORING REPORT - QUARTERLY			Submitted:		
Title:	GROUNDWATER MONITORING REPORT - THIRD QUARTER 2012					
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Document Type:	Monitoring Reports			Size :	1,728 KB	
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Type:	MONITORING REPORT - QUARTERLY			Submitted:		
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Document Type:	Monitoring Reports			Size :	2,161 KB	
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Type:	MONITORING REPORT - QUARTERLY			Submitted:		
Title:	GROUNDWATER MONITORING REPORT - THIRD QUARTER 2011					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,338 KB	
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<b>Title:</b>	ADDITIONAL SITE ASSESSMENT REPORT					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,319 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5154626429/T0605986985.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5154626429/T0605986985.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,164 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2847222864/T0605986985.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2847222864/T0605986985.PDF</a>					
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<b>Document Date:</b>	7/14/2009			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	REDUCED GROUNDWATER MONITORING REQUIREMENTS					
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<b>Title:</b>	2009-05-20-REVISED SUPPLEMENTAL CASE CLOSURE DOCUMENTS					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2709954380/T0605986985.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2709954380/T0605986985.PDF</a>					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	1,420 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		



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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	1,274 KB	
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<b>Title:</b>	SITE CLOSURE REPORT					
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<b>Title:</b>	2ND QUARTER 2008-QUARTERLY STATUS REPORT					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	1,180 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY					
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<b>Document Type:</b>	Site Documents			<b>Size :</b>	1,433 KB	
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<b>Title:</b>	QTRLY STATUS RPT - 3Q07					
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<b>Type:</b>	REPORTS - OTHER					
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7460066080/T0605986985.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7460066080/T0605986985.PDF</a>					

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<b>Type:</b>	CORRESPONDENCE - OTHER			<b>Submitted:</b>		
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	461 KB	
<b>Document Date:</b>	5/31/2006			<b>Submitted By:</b>	DONNA NGO (CONTRACTOR)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8809049308/T0605986985.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	640 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Document Date:</b>	12/30/1899			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	REDUCED GROUNDWATER MONITORING REQUIREMENTS					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605986985&enforcement_id=6020931					
<a href="#">29</a>	1 of 2	SSW	0.36 / 1,897.21	388.23 / -12	SHELL OIL 23751 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b>	RO0003195			<b>Case Closed Date:</b>	5/17/2013	
<b>Case ID:</b>	03UT020			<b>Type of Closure:</b>	Closure certification issued	
<b>Case Type:</b>	O					
<b>Case Type Desc:</b>	Other groundwater affected (uses other than drinking water)					
<b>Released Substance:</b>	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded					
<a href="#">29</a>	2 of 2	SSW	0.36 / 1,897.21	388.23 / -12	TEXACO 23751 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b>	RO0001124			<b>Case Closed Date:</b>	5/6/1991	
<b>Case ID:</b>	86UT218			<b>Type of Closure:</b>	Closure certification issued	
<b>Case Type:</b>	S					
<b>Case Type Desc:</b>	Soil only affected					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Released Substance:</b>		Unleaded gasoline Regular gasoline Waste oil/Used oil				

<a href="#">30</a>	1 of 2	SSW	0.36 / 1,913.69	388.84 / -12	ARCO #3013 23742 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
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<b>Record ID:</b>	RO0002116	<b>Case Closed Date:</b>	
<b>Case ID:</b>	91UT105	<b>Type of Closure:</b>	
<b>Case Type:</b>	O		
<b>Case Type Desc:</b>	Other groundwater affected (uses other than drinking water)		
<b>Released Substance:</b>	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded		

<a href="#">30</a>	2 of 2	SSW	0.36 / 1,913.69	388.84 / -12	ARCO #3013 23742 EL TORO LAKE FOREST CA 92630	LUST
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<b>Global ID:</b>	T0605901431	<b>County:</b>	ORANGE
<b>Status:</b>	OPEN - SITE ASSESSMENT	<b>Latitude:</b>	33.6170434666666
<b>Status Date:</b>	2014-10-27 00:00:00	<b>Longitude:</b>	-117.7042993
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	083001923T	<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	91UT105	<b>How Discovered:</b>	* SA
<b>Begin Date:</b>	1991-05-01 00:00:00	<b>Stop Method:</b>	Other Means
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	SR
<b>CUF Case:</b>	YES	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Aquifer used for drinking water supply		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

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.

#### Regulatory Activity

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-04-16 00:00:00
<b>Action:</b>	Clean Up Fund - Case Closure Review Summary Report (RSR)

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2018-03-14 00:00:00
<b>Action:</b>	File review

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2017-09-06 00:00:00
<b>Action:</b>	Meeting

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2017-07-05 00:00:00
<b>Action:</b>	Staff Letter

<b>Action Type:</b>	ENFORCEMENT
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Date :</b>		2017-02-22 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2016-12-30 00:00:00				
<b>Action:</b>		Request for Closure - Regulator Responded				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2016-07-18 00:00:00				
<b>Action:</b>		File review				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2015-11-24 00:00:00				
<b>Action:</b>		Site Investigation Workplan - Regulator Responded				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2015-09-15 00:00:00				
<b>Action:</b>		Site Investigation Workplan - Regulator Responded				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2014-10-27 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-08-13 00:00:00				
<b>Action:</b>		Notice of Responsibility				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-01-02 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-12-27 00:00:00				
<b>Action:</b>		Request for Closure - Regulator Responded				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-01-26 00:00:00				
<b>Action:</b>		File review				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-02-08 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-01-25 00:00:00				
<b>Action:</b>		Notification - Public Notice of ROD/RAP/CAP				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-04-05 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-09-21 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-07-14 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-06-24 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-04-21 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-08-21 00:00:00				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-06-29 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		2007-04-03 00:00:00				
<b>Action:</b>		Dual Phase Extraction				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-01-29 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-01-18 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2006-02-03 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		2005-01-20 00:00:00				
<b>Action:</b>		Excavation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2004-10-06 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		1996-09-25 00:00:00				
<b>Action:</b>		Soil Vapor Extraction (SVE)				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		1994-04-14 00:00:00				
<b>Action:</b>		Excavation				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		1991-12-12 00:00:00				
<b>Action:</b>		Free Product Removal				
<b>Action Type:</b>		Other				
<b>Date :</b>		1991-09-23 00:00:00				
<b>Action:</b>		Leak Reported				
<b>Action Type:</b>		Other				
<b>Date :</b>		1991-05-01 00:00:00				
<b>Action:</b>		Leak Discovery				

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E. DYER ROAD SUITE 120
<b>Contact Name:</b>	SHYAMALA RAJAGOPAL	<b>Email:</b>	srjagopal@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336262
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 MAIN STREET, SUITE 500
<b>Contact Name:</b>	VALERIE JAHN-BULL	<b>Email:</b>	valerie.jahn-bull@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9517824903
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

#### Status History

<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2014-10-27 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status:		Open - Verification Monitoring				
Status Date:		2004-08-01 00:00:00				
Status:		Open - Remediation				
Status Date:		1996-09-25 00:00:00				
Status:		Open - Case Begin Date				
Status Date:		1991-05-01 00:00:00				

**LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

Site Facility Name:	ARCO #3013	Address:	23742 EL TORO
Site Facility Type:	LUST CLEANUP SITE	City:	LAKE FOREST
Cleanup Status:	OPEN - SITE ASSESSMENT	Zip:	92630
Project Status:		County:	ORANGE
Potential COC:	GASOLINE	CUF Claim:	10634
WDR Place Type:		CUF Priority Assig:	D
WDR File:		CUF Amount Paid:	
WDR Order:			
File Location:	LOCAL AGENCY		
Designated Beneficial Use:	MUN, AGR		
Project Oversight Agencies:			
Report Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901431">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901431</a>		
Cleanup Status Detail:	OPEN - SITE ASSESSMENT AS OF 10/27/2014		
Cleanup History Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901431&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901431&amp;tabname=regulatoryhistory</a>		
Potential Media Of Concern:	AQUIFER USED FOR DRINKING WATER SUPPLY		
User Defined Beneficial Use:	GW - AGRICULTURAL SUPPLY		
DWR GW Sub Basin:			
Calwater Watershed Name:	San Juan - Laguna - Aliso (901.13)		
Post Closure Site Management:			
Future Land Use:			
Cleanup Oversight Agencies:	ORANGE COUNTY LOP (LEAD) - CASE #: 91UT105 CASEWORKER: SHYAMALA RAJAGOPAL SANTA ANA RWQCB (REGION 8) - CASE #: 083001923T CASEWORKER: VALERIE JAHN-BULL		

**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.

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

Status:	Open - Site Assessment
Date :	10/27/2014
Status:	Open - Verification Monitoring
Date :	8/1/2004
Status:	Open - Remediation
Date :	9/25/1996
Status:	Open - Case Begin Date
Date :	5/1/1991

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

Action Type:	DUAL PHASE EXTRACTION	Begin Date:	4/3/2007
Phase:	Soil Vapor, Water	End Date:	4/4/2007
Contaminant Mass Removed:	56 Pounds		
Description:	DPE Pilot Test		
Action Type:	EXCAVATION	Begin Date:	1/20/2005
Phase:	Soil	End Date:	1/20/2005
Contaminant Mass Removed:	30 Tons		
Description:			



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Action Type:	SOIL VAPOR EXTRACTION (SVE)			Begin Date:	9/25/1996	
Phase:	Soil Vapor			End Date:	8/12/2004	
Contaminant Mass Removed:	7,107 Pounds					
Description:						
Action Type:	EXCAVATION			Begin Date:	4/14/1994	
Phase:	Soil			End Date:	4/14/1994	
Contaminant Mass Removed:	945 Tons					
Description:						
Action Type:	FREE PRODUCT REMOVAL			Begin Date:	12/12/1991	
Phase:				End Date:	7/22/1994	
Contaminant Mass Removed:						
Description:						

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Response Requested - Reports					
<b>Action Date:</b>	4/16/2018					
<b>Received Issue Date:</b>	4/16/2018					
<b>Action:</b>	Clean Up Fund - 5-Year Review Summary					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5962081">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5962081</a>					
<b>Action Type:</b>	Other Regulatory Actions					
<b>Action Date:</b>	7/5/2017					
<b>Received Issue Date:</b>	7/5/2017					
<b>Action:</b>	Staff Letter					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6325366&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6325366&amp;template=ENFORCEMENT</a>					
<b>Action Type:</b>	Other Regulatory Actions					
<b>Action Date:</b>	2/22/2017					
<b>Received Issue Date:</b>	2/22/2017					
<b>Action:</b>	Staff Letter					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6312390&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6312390&amp;template=ENFORCEMENT</a>					
<b>Action Type:</b>	Response Requested - Other					
<b>Action Date:</b>	12/30/2016					
<b>Received Issue Date:</b>	12/30/2016					
<b>Action:</b>	Request for Closure - Regulator Responded					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5913516">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5913516</a>					
<b>Action Type:</b>	Other Regulatory Actions					
<b>Action Date:</b>	7/18/2016					
<b>Received Issue Date:</b>	7/18/2016					
<b>Action:</b>	File review					
<b>Doc Link:</b>						
<b>Action Type:</b>	Response Requested - Workplans					
<b>Action Date:</b>	11/24/2015					
<b>Received Issue Date:</b>	11/24/2015					
<b>Action:</b>	Site Investigation Workplan - Regulator Responded					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5871558">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5871558</a>					
<b>Action Type:</b>	Response Requested - Workplans					
<b>Action Date:</b>	9/15/2015					
<b>Received Issue Date:</b>	9/15/2015					
<b>Action:</b>	Site Investigation Workplan - Regulator Responded					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5860962">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&amp;doc_id=5860962</a>					
<b>Action Type:</b>	Other Regulatory Actions					
<b>Action Date:</b>	10/27/2014					
<b>Received Issue Date:</b>	10/27/2014					
<b>Action:</b>	Staff Letter					
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6225910&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6225910&amp;template=ENFORCEMENT</a>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		8/13/2013				
<b>Received Issue Date:</b>		8/13/2013				
<b>Action:</b>		Notice of Responsibility				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6171495&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/2/2013				
<b>Received Issue Date:</b>		1/2/2013				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6146058&template=ENFORCEMENT				
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		12/27/2012				
<b>Received Issue Date:</b>		12/27/2012				
<b>Action:</b>		Request for Closure - Regulator Responded				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605901431&doc_id=5767512				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/26/2012				
<b>Received Issue Date:</b>		1/26/2012				
<b>Action:</b>		File review				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/8/2011				
<b>Received Issue Date:</b>		2/8/2011				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6077258&template=ENFORCEMENT				
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		1/25/2011				
<b>Received Issue Date:</b>		1/25/2011				
<b>Action:</b>		Notification - Public Notice of ROD/RAP/CAP				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6075481&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/5/2010				
<b>Received Issue Date:</b>		4/5/2010				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6047525&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/21/2009				
<b>Received Issue Date:</b>		9/21/2009				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6030943&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/14/2009				
<b>Received Issue Date:</b>		7/14/2009				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6021038&template=ENFORCEMENT				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/24/2009				
<b>Received Issue Date:</b>		6/24/2009				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6018185&template=ENFORCEMENT				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 4/21/2009 4/21/2009 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&enforcement_id=6010741&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 8/21/2007 8/21/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 6/29/2007 6/29/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Cleanup Action 4/3/2007  Dual Phase Extraction				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 1/29/2007 1/29/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 1/18/2007 1/18/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 2/3/2006 2/3/2006 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Cleanup Action 1/20/2005  Excavation				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 10/6/2004 10/6/2004 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Cleanup Action 9/25/1996  Soil Vapor Extraction (SVE)				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Cleanup Action 4/14/1994  Excavation				
<b>Action Type:</b> <b>Action Date:</b>		Cleanup Action 12/12/1991				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Action:</b>		Free Product Removal				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		9/23/1991				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Reported				
<b>Doc Link:</b>						
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<b>Action Date:</b>		5/1/1991				
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<b>Action:</b>		Leak Discovery				
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<b><u>LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)</u></b>						
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<b>Title:</b>		HP-1 (HP-1)				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-5 (VE-5)				
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<b>Size :</b>		438 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		B-11A (B-11A)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3104551851/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3104551851/T0605901431.PDF</a>				
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<b>Size :</b>		412 KB				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-4 (VE-4)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8904542922/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8904542922/T0605901431.PDF</a>				
<b>Size :</b>		458 KB				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		AV-2 (AV-2)				
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<b>Size :</b>		413 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VP-12 (VP 12)				
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<b>Submitted:</b>		3/1/2017				
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<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4458304047/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4458304047/T0605901431.PDF</a>				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		MW-3 (MW-3)				
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-7 (VE-7)				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-8 (VE-8)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1817465424/T0605901431.PDF				
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<b>Submitted:</b>		3/1/2017				
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<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7599481940/T0605901431.PDF				
<b>Size :</b>		414 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		B-6 (B-6)				
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<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		MW-4 (MW-4)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9453512787/T0605901431.PDF				
<b>Size :</b>		329 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
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<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8084138870/T0605901431.PDF				
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<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-9 (VE-9)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8308534622/T0605901431.PDF				
<b>Size :</b>		364 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		VE-3 (VE-3)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2133047699/T0605901431.PDF				
<b>Size :</b>		427 KB				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		AV-1 (AV-1)				
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<b>Size :</b>		409 KB				
<b>Submitted By:</b>		ARCADIS (AUTH_RP)				
<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		AV-5 (AV-5)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8189058303/T0605901431.PDF				
<b>Size :</b>		414 KB				
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<b>Submitted:</b>		3/1/2017				
<b>Title:</b>		AV-4 (AV-4)				
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<b>Size :</b>		412 KB				
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<b>Submitted:</b>		3/1/2017				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B-5 (B-5)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3903190314/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3903190314/T0605901431.PDF</a> 426 KB ARCADIS (AUTH_RP) 3/1/2017	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		VE-10 (VE-10)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5280738532/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5280738532/T0605901431.PDF</a> 358 KB ARCADIS (AUTH_RP) 3/1/2017	
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<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5507448494/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5507448494/T0605901431.PDF</a> 140 KB ARCADIS (AUTH_RP) 8/24/2010	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B-21 WELL CONSTRUCTION/BORING LOG (B-21)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7883332610/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7883332610/T0605901431.PDF</a> 183 KB ARCADIS (AUTH_RP) 8/17/2010	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B15 (B-15)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2302074611/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2302074611/T0605901431.PDF</a> 63 KB DELTA ENVIRONMENTAL (CONTRACTOR) 6/15/2009*	
<b>Title:</b> <b>Link:</b>		B8 (B-8)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9150926887/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9150926887/T0605901431.PDF</a>	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Submitted:</b>		6/15/2009*				
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<b>Size :</b>		61 KB				
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<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		B9 (B-9)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8811336696/T0605901431.PDF				
<b>Size :</b>		64 KB				
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<b>Submitted:</b>		6/15/2009*				
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<b>Size :</b>		94 KB				
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<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		B10 (B-10)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3710497200/T0605901431.PDF				
<b>Size :</b>		64 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		B13 (B-13)				
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<b>Size :</b>		93 KB				
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<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		VE2 (VE-2)				
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<b>Submitted:</b>		6/15/2009*				
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<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		B7 (B-7)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6434856593/T0605901431.PDF				
<b>Size :</b>		62 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		6/15/2009*				
<b>Title:</b>		GEO_BORE (VE-12)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3312727212/T0605901431.pdf				
<b>Size :</b>		65 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		10/4/2007*				
<b>Title:</b>		GEO_BORE (CB-2)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3039675652/T0605901431.pdf				
<b>Size :</b>		31 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		10/4/2007				
<b>Title:</b>		GEO_BORE (VE-13)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7575243890/T0605901431.pdf				
<b>Size :</b>		66 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		10/4/2007*				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>					GEO_BORE (B-18) http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1224459588/T0605901431.pdf 53 KB DELTA ENVIRONMENTAL (CONTRACTOR) 5/2/2006	
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<b>Title:</b> <b>Link:</b>					GEO_BORE (VE-11) http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2397566080/T0605901431.pdf	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Submitted:</b>		5/2/2006				
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<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1022704899/T0605901431.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1022704899/T0605901431.pdf</a>				
<b>Size :</b>		29 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		5/2/2006				
<b>Title:</b>		GEO_BORE (CB-7)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2584548771/T0605901431.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2584548771/T0605901431.pdf</a>				
<b>Size :</b>		37 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		5/2/2006				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3497022330/T0605901431.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3497022330/T0605901431.pdf</a>				
<b>Size :</b>		24 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		9/19/2005				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1496686637/T0605901431.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1496686637/T0605901431.pdf</a>				
<b>Size :</b>		44 KB				
<b>Submitted By:</b>		DELTA ENVIRONMENTAL (CONTRACTOR)				
<b>Submitted:</b>		2/5/2002				

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	10,487 KB
<b>Document Date:</b>	6/21/2018*	<b>Submitted By:</b>	ARCADIS (AUTH_RP)
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY	<b>Submitted:</b>	
<b>Title:</b>	2Q 2018 GMR		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4211160480/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4211160480/T0605901431.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	4/16/2018	<b>Submitted By:</b>	SUKHMANI BRAR (REGULATOR)
<b>Type:</b>	CLEAN UP FUND - 5-YEAR REVIEW SUMMARY	<b>Submitted:</b>	
<b>Title:</b>	10634 1ST RSR RATIONALE FOR ADDITIONAL WORK APRIL 2018		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5962081">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5962081</a>		
<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	7,945 KB
<b>Document Date:</b>	2/2/2018*	<b>Submitted By:</b>	ARCADIS (AUTH_RP)
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY	<b>Submitted:</b>	
<b>Title:</b>	4Q 2017 GMR_02.02.2018		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3414436042/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3414436042/T0605901431.PDF</a>		
<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	9,320 KB
<b>Document Date:</b>	7/27/2017*	<b>Submitted By:</b>	ARCADIS (AUTH_RP)
<b>Type:</b>	MONITORING REPORT - QUARTERLY	<b>Submitted:</b>	
<b>Title:</b>	CA 03013 2Q17 GWM_072717		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3100740432/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3100740432/T0605901431.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	125 KB
<b>Document Date:</b>	7/14/2017*	<b>Submitted By:</b>	ARCADIS (AUTH_RP)
<b>Type:</b>	CORRESPONDENCE	<b>Submitted:</b>	
<b>Title:</b>	TESORO ARCADIS CONTACT INFORMATION LETTER_071417		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7781580328/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7781580328/T0605901431.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	7/5/2017	<b>Submitted By:</b>	GENIECE HIGGINS (REGULATOR)
<b>Type:</b>	STAFF LETTER	<b>Submitted:</b>	
<b>Title:</b>	DENIAL OF REQUEST FOR CASE CLOSURE		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6325366">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6325366</a>		
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<b>Type:</b>	STAFF LETTER				<b>Submitted:</b>	
<b>Title:</b>	SEMI-ANNUAL GROUNDWATER MONITORING REPORT AND CLOSURE REQUEST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6312390">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6312390</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b> 10,821 KB	
<b>Document Date:</b>	12/30/2016				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	REQUEST FOR CLOSURE				<b>Submitted:</b>	
<b>Title:</b>	CA 3013 4Q16 GMR AND REQUEST FOR CLOSURE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6666868746/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6666868746/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports				<b>Size :</b> 15,981 KB	
<b>Document Date:</b>	7/18/2016*				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY				<b>Submitted:</b>	
<b>Title:</b>	CA 03013 2Q16 GMR_071516					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6370245397/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6370245397/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b> 6,974 KB	
<b>Document Date:</b>	5/2/2016				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	SITE INVESTIGATION				<b>Submitted:</b>	
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7254087984/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7254087984/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports				<b>Size :</b> 10,500 KB	
<b>Document Date:</b>	2/3/2016*				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY				<b>Submitted:</b>	
<b>Title:</b>	3013 4Q15 GWM REPORT_020116					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3805490851/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3805490851/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b> 1,859 KB	
<b>Document Date:</b>	11/24/2015				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	SITE INVESTIGATION WORKPLAN				<b>Submitted:</b>	
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<b>Document Type:</b>	Site Documents				<b>Size :</b>	
<b>Document Date:</b>	11/24/2015				<b>Submitted By:</b> KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	SITE INVESTIGATION WORKPLAN				<b>Submitted:</b>	
<b>Title:</b>	OFFSITE HYDROPUNCH INVESTIGATION WORK PLAN - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5871558">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5871558</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b> 1,219 KB	
<b>Document Date:</b>	9/15/2015				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	SITE INVESTIGATION WORKPLAN				<b>Submitted:</b>	
<b>Title:</b>	WORK PLAN FOR OFFSITE HYDROPUNCH® BORING INVESTIGATION					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9548864781/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9548864781/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b>	
<b>Document Date:</b>	9/15/2015				<b>Submitted By:</b> KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	SITE INVESTIGATION WORKPLAN				<b>Submitted:</b>	
<b>Title:</b>	WORK PLAN FOR OFFSITE HYDROPUNCH® BORING INVESTIGATION - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5860962">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;document_id=5860962</a>					
<b>Document Type:</b>	Monitoring Reports				<b>Size :</b> 10,418 KB	
<b>Document Date:</b>	8/20/2015				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY				<b>Submitted:</b>	
<b>Title:</b>	3013 2Q15 GROUNDWATER MONITORING REPORT_082015_REVISED					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2598776280/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2598776280/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports				<b>Size :</b> 9,865 KB	
<b>Document Date:</b>	2/10/2015				<b>Submitted By:</b> ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY				<b>Submitted:</b>	
<b>Title:</b>	3013 4Q14 GWM REPORT_020615					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1008658707/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1008658707/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents				<b>Size :</b>	
<b>Document Date:</b>	10/27/2014				<b>Submitted By:</b> KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER				<b>Submitted:</b>	
<b>Title:</b>	LOW-THREAT CASE CLOSURE					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	6,988 KB	
<b>Document Date:</b>	12/13/2013			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	CA-3013 20131213 4Q13_GW_REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4884843945/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4884843945/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	56 KB	
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<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
<b>Title:</b>	CA-3013 20130830 FEE TITLE OWNER LETTER					
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<b>Document Date:</b>	8/13/2013			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	NOTICE OF RESPONSIBILITY			<b>Submitted:</b>		
<b>Title:</b>	NOR					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6171495">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6171495</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	8,227 KB	
<b>Document Date:</b>	6/21/2013			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	BP 3013 2Q13 GW REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5491093456/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5491093456/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	119 KB	
<b>Document Date:</b>	4/12/2013*			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
<b>Title:</b>	CA-3013_REGULATORY NOTIFICATION LETTER 041213					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9601117968/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9601117968/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	7,333 KB	
<b>Document Date:</b>	1/11/2013			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	CA-3013_4Q12 GW REPORT 01112013					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3368854582/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3368854582/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	1/2/2013			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	LOW-THREAT CLOSURE REQUEST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6146058">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6146058</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	28,756 KB	
<b>Document Date:</b>	12/27/2012			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	REQUEST FOR CLOSURE			<b>Submitted:</b>		
<b>Title:</b>	CA-3013_LTCCR 12272012 PART 1					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2073285937/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2073285937/T0605901431.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	14,392 KB	
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<b>Title:</b>	CA-3013_LTCCR 12272012 PART 2					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1894758105/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1894758105/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	6,225 KB	
<b>Document Date:</b>	6/6/2012			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	CA-3013 2Q12 QMR					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	3,798 KB	
<b>Document Date:</b>	12/8/2011			<b>Submitted By:</b>	ARCADIS (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3013 4Q11 GWM REPORT_111208					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4649323463/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4649323463/T0605901431.PDF</a>					
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Monitoring Reports 3/8/2011 MONITORING REPORT - QUARTERLY 1Q 2011 GWM REPORT <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7125367164/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7125367164/T0605901431.PDF</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> 3,327 KB ARCADIS (AUTH_RP)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Site Documents 2/8/2011 STAFF LETTER REVISED CAP <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6077258">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6077258</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> KEVIN LAMBERT (REGULATOR)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Site Documents 1/25/2011 NOTIFICATION - PUBLIC NOTICE OF ROD/RAP/CAP PUBLIC NOTICE OF CAP <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6075481">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6075481</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> KEVIN LAMBERT (REGULATOR)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Site Documents 1/18/2011 CAP/RAP - FEASIBILITY STUDY REPORT REVISED RCAP <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7847239196/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7847239196/T0605901431.PDF</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> 7,264 KB ARCADIS (AUTH_RP)		
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<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Monitoring Reports 6/16/2010 MONITORING REPORT - QUARTERLY QUARTERLY MONITORING REPORT (2Q10) <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6204446256/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6204446256/T0605901431.PDF</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> 5,477 KB ARCADIS (AUTH_RP)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Site Documents 4/5/2010 STAFF LETTER WELL INSTALLATION WORK PLAN <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6047525">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901431&amp;enforcement_id=6047525</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> KEVIN LAMBERT (REGULATOR)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Monitoring Reports 3/14/2010* MONITORING REPORT - QUARTERLY 10Q1 GMR <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4652215421/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4652215421/T0605901431.PDF</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> 5,401 KB ARCADIS (AUTH_RP)		
<b>Document Type:</b> <b>Document Date:</b> <b>Type:</b> <b>Title:</b> <b>Title Link:</b>	Site Documents 3/1/2010 WELL INSTALLATION WORKPLAN WELL INSTALLATION WORK PLAN <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1774706184/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1774706184/T0605901431.PDF</a>			<b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b> 5,160 KB ARCADIS (AUTH_RP)		
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<b>Title:</b>	SECOND QUARTER 2005 QMR					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2954650700/T0605901431.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2954650700/T0605901431.PDF</a>					
<b>Document Type:</b>	Monitoring Reports				<b>Size :</b>	2,717 KB
<b>Document Date:</b>	4/26/2005				<b>Submitted By:</b>	DELTA ENVIRONMENTAL (CONTRACTOR)
<b>Type:</b>	MONITORING REPORT - QUARTERLY				<b>Submitted:</b>	
<b>Title:</b>	FIRST QUARTER 2005 QMR					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Title Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/4987592399/T0605901431.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4987592399/T0605901431.PDF)

**Document Type:** Site Documents **Size :** 4,666 KB  
**Document Date:** 3/15/2005 **Submitted By:** DELTA ENVIRONMENTAL (CONTRACTOR)  
**Type:** REPORTS - TANK REMOVAL RPT. **Submitted:** UNDERGROUND STORAGE TANK REMOVAL REPORT  
**Title:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/4753936588/T0605901431.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4753936588/T0605901431.PDF)  
**Title Link:**

**Document Type:** Site Documents **Size :** 329 KB  
**Document Date:** 3/4/2005 **Submitted By:** DELTA ENVIRONMENTAL (CONTRACTOR)  
**Type:** REPORTS - OTHER **Submitted:** SOIL MONITORING RECORDS, 2/24/05  
**Title:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/3174298942/T0605901431.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3174298942/T0605901431.PDF)  
**Title Link:**

<a href="#">31</a>	1 of 1	ENE	0.39 / 2,064.04	424.77 / 24	KENITA ENTERPRISES 24961 WHISLER DR LAKE FOREST CA 92630	LUST
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**Global ID:** T0605902476 **County:** ORANGE  
**Status:** COMPLETED - CASE CLOSED **Latitude:** 33.6247385  
**Status Date:** 1989-05-19 00:00:00 **Longitude:** -117.6936389  
**Case Type:** LUST CLEANUP SITE  
**Date Source:** LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

**RB Case Number:** 9UT241 **Potential COC:**  
**Local Case Number:** **How Discovered:**  
**Begin Date:** 1986-12-16 00:00:00 **Stop Method:**  
**Lead Agency:** SAN DIEGO RWQCB (REGION 9) **Stop Description:**  
**Local Agency:** **Case Worker:**  
**CUF Case:** NO **File Location:**  
**Potential Media of Concern:** Soil  
**How Discovered Description:**  
**Calwater Watershed Name:** Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)  
**DWR GW Subbasin Name:** Coastal Plain Of Orange County (8-001)  
**Disadvantaged Community:**  
**Site History:**

#### Regulatory Activity

**Action Type:** ENFORCEMENT  
**Date :** 1986-12-16 00:00:00  
**Action:** \* Historical Enforcement

**Action Type:** Other  
**Date :** 1986-12-16 00:00:00  
**Action:** Leak Reported

#### Status History

**Status:** Completed - Case Closed  
**Status Date:** 1989-05-19 00:00:00

**Status:** Open - Case Begin Date  
**Status Date:** 1986-12-16 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

**Site Facility Name:** KENITA ENTERPRISES **Address:** 24961 WHISLER DR  
**Site Facility Type:** LUST CLEANUP SITE **City:** LAKE FOREST  
**Cleanup Status:** COMPLETED - CASE CLOSED **Zip:** 92630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Project Status:				County:	ORANGE	
Potential COC:				CUF Claim:		
WDR Place Type:				CUF Priority Assig:		
WDR File:				CUF Amount Paid:		
WDR Order:						
File Location:						
Designated Beneficial Use:		MUN, AGR, IND, PROC				
Project Oversight Agencies:						
Report Link:		<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902476">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902476</a>				
Cleanup Status Detail:		COMPLETED - CASE CLOSED AS OF 5/19/1989				
Cleanup History Link:		<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902476&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902476&amp;tabname=regulatoryhistory</a>				
Potential Media Of Concern:		SOIL				
User Defined Beneficial Use:		SW - MUNICIPAL AND DOMESTIC SUPPLY				
DWR GW Sub Basin:		Coastal Plain Of Orange County (8-001)				
Calwater Watershed Name:		Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)				
Post Closure Site Management:						
Future Land Use:						
Cleanup Oversight Agencies:		SAN DIEGO RWQCB (REGION 9) (LEAD) - CASE #: 9UT241				
Site History:						

No site history available

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

**Status:** Completed - Case Closed  
**Date :** 5/19/1989

**Status:** Open - Case Begin Date  
**Date :** 12/16/1986

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

**Action Type:** Enforcement/Orders  
**Action Date:** 12/16/1986  
**Received Issue Date:** 12/16/1986  
**Action:** \* Historical Enforcement  
**Doc Link:**

**Action Type:** Leak Action  
**Action Date:** 12/16/1986  
**Received Issue Date:**  
**Action:** Leak Reported  
**Doc Link:**

<a href="#">32</a>	1 of 4	SW	0.40 / 2,095.40	384.35 / -16	MOBIL #18-378 23771 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b> RO0000891 <b>Case ID:</b> 98UT091 <b>Case Type:</b> O <b>Case Type Desc:</b> Other groundwater affected (uses other than drinking water) <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded <b>Case Closed Date:</b> <b>Type of Closure:</b>						

<a href="#">32</a>	2 of 4	SW	0.40 / 2,095.40	384.35 / -16	MOBIL OIL 23771 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b> RO0002874 <b>Case ID:</b> 86UT087 <b>Case Type:</b> U <b>Case Type Desc:</b> Undetermined affected <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded <b>Case Closed Date:</b> 9/2/1986 <b>Type of Closure:</b> Closure certification issued						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<a href="#">32</a>	3 of 4	SW	0.40 / 2,095.40	384.35 / -16	MOBIL OIL 23771 EL TORO LAKE FOREST CA 92630	LUST
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<b>Global ID:</b>	T0605900211	<b>County:</b>	ORANGE
<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.6171240101737
<b>Status Date:</b>	1986-09-02 00:00:00	<b>Longitude:</b>	-117.705594506885
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	083000271T	<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	86UT087	<b>How Discovered:</b>	Tank Closure
<b>Begin Date:</b>	1986-09-02 00:00:00	<b>Stop Method:</b>	Close and Remove Tank
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	NO	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Under Investigation		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

#### Regulatory Contacts

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 MAIN STREET, SUITE 500
<b>Contact Name:</b>	ROSE SCOTT	<b>Email:</b>	rose.scott@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9513206375
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		
<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E. DYER ROAD SUITE 120
<b>Contact Name:</b>	JAMES STROZIER	<b>Email:</b>	jstrozier@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336273
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		

#### Status History

<b>Status:</b>	Completed - Case Closed
<b>Status Date:</b>	1986-09-02 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	1986-09-02 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	MOBIL OIL	<b>Address:</b>	23771 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>File Location:</b>	LOCAL AGENCY
<b>Designated Beneficial Use:</b>	MUN, AGR
<b>Project Oversight Agencies:</b>	
<b>Report Link:</b>	http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900211
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 9/2/1986
<b>Cleanup History Link:</b>	http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900211&tabname=regulatoryhistory
<b>Potential Media Of Concern:</b>	UNDER INVESTIGATION
<b>User Defined Beneficial Use:</b>	GW - MUNICIPAL AND DOMESTIC SUPPLY
<b>DWR GW Sub Basin:</b>	
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)
<b>Post Closure Site Management:</b>	
<b>Future Land Use:</b>	
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 86UT087 CASEWORKER: KEVIN LAMBERT CASEWORKER: JAMES STROZIER SANTA ANA RWQCB (REGION 8) - CASE #: 083000271T CASEWORKER: ROSE SCOTT

#### Site History:

No site history available

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	9/2/1986

<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	9/2/1986

<a href="#">32</a>	4 of 4	SW	0.40 / 2,095.40	384.35 / -16	MOBIL #18-378 23771 EL TORO LAKE FOREST CA 92630	LUST
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<b>Global ID:</b>	T0605902221	<b>County:</b>	ORANGE
<b>Status:</b>	OPEN - SITE ASSESSMENT	<b>Latitude:</b>	33.6169788
<b>Status Date:</b>	2009-03-10 00:00:00	<b>Longitude:</b>	-117.7052813
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	083003311T	<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	98UT091	<b>How Discovered:</b>	UST System Modification
<b>Begin Date:</b>	1998-11-09 00:00:00	<b>Stop Method:</b>	Replace product piping
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	SR
<b>CUF Case:</b>	NO	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

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.

#### Regulatory Activity

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2019-03-21 00:00:00
<b>Action:</b>	Email Correspondence

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2019-03-21 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2019-03-08 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2019-02-18 00:00:00 Soil and Water Investigation Workplan - Regulator Responded				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2018-08-03 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2018-06-06 00:00:00 Soil and Water Investigation Workplan - Regulator Responded				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2018-04-13 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2018-02-14 00:00:00 Well Installation Workplan - Regulator Responded				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2016-11-14 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2016-08-30 00:00:00 Other Report / Document				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2016-04-29 00:00:00 Soil Vapor Intrusion Investigation Workplan - Regulator Responded				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-10-22 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-09-30 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-05-13 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-01-26 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2013-10-03 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2013-07-08 00:00:00 Access Agreement				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2012-10-23 00:00:00 Staff Letter				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-09-10 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-05-04 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-06-30 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-02-17 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-11-18 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-04-26 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-07-14 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-04-28 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-03-10 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-01-30 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2008-12-02 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2008-05-09 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-10-11 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-06-01 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2007-01-18 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2006-11-27 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2006-11-03 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date :</b>		2003-10-30 00:00:00				
<b>Action:</b>		Soil and Water Investigation Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2003-08-07 00:00:00				
<b>Action:</b>		* Historical Enforcement				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		2002-07-11 00:00:00				
<b>Action:</b>		Free Product Removal				
<b>Action Type:</b>		REMEDIATION				
<b>Date :</b>		2001-04-01 00:00:00				
<b>Action:</b>		In Situ Physical/Chemical Treatment (other than SVE)				
<b>Action Type:</b>		Other				
<b>Date :</b>		1998-11-23 00:00:00				
<b>Action:</b>		Leak Reported				
<b>Action Type:</b>		Other				
<b>Date :</b>		1998-11-09 00:00:00				
<b>Action:</b>		Leak Discovery				

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E. DYER ROAD SUITE 120
<b>Contact Name:</b>	SHYAMALA RAJAGOPAL	<b>Email:</b>	srajagopal@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336262
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 MAIN STREET, SUITE 500
<b>Contact Name:</b>	ROSE SCOTT	<b>Email:</b>	rose.scott@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9513206375
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

#### Status History

<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2009-03-10 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2001-01-10 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2000-01-11 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	1999-02-11 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	1998-11-09 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	MOBIL #18-378	<b>Address:</b>	23771 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	OPEN - SITE ASSESSMENT	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Report Link:</b>		http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902221				
<b>Cleanup Status Detail:</b>		OPEN - SITE ASSESSMENT AS OF 3/10/2009				
<b>Cleanup History Link:</b>		http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902221&tabname=regulatoryhistory				
<b>Potential Media Of Concern:</b>		AQUIFER USED FOR DRINKING WATER SUPPLY, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)				
<b>User Defined Beneficial Use:</b>		GW - AGRICULTURAL SUPPLY, GW - MUNICIPAL AND DOMESTIC SUPPLY				
<b>DWR GW Sub Basin:</b>						
<b>Calwater Watershed Name:</b>		San Juan - Laguna - Aliso (901.13)				
<b>Post Closure Site Management:</b>						
<b>Future Land Use:</b>						
<b>Cleanup Oversight Agencies:</b>		ORANGE COUNTY LOP (LEAD) - CASE #: 98UT091 CASEWORKER: SHYAMALA RAJAGOPAL SANTA ANA RWQCB (REGION 8) - CASE #: 083003311T CASEWORKER: ROSE SCOTT				

#### 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.

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	3/10/2009
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	1/10/2001
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	1/11/2000
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	2/11/1999
<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	11/9/1998

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

<b>Action Type:</b>	FREE PRODUCT REMOVAL	<b>Begin Date:</b>	7/11/2002
<b>Phase:</b>		<b>End Date:</b>	9/9/9999
<b>Contaminant Mass Removed:</b>			
<b>Description:</b>			
<b>Action Type:</b>	IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)	<b>Begin Date:</b>	4/1/2001
<b>Phase:</b>		<b>End Date:</b>	2/1/2002
<b>Contaminant Mass Removed:</b>			
<b>Description:</b>			

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	8/3/2018
<b>Received Issue Date:</b>	8/3/2018
<b>Action:</b>	Staff Letter
<b>Doc Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6365822&template=ENFORCEMENT
<b>Action Type:</b>	Response Requested - Workplans
<b>Action Date:</b>	6/6/2018
<b>Received Issue Date:</b>	6/6/2018
<b>Action:</b>	Soil and Water Investigation Workplan - Regulator Responded
<b>Doc Link:</b>	http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&doc_id=5971328
<b>Action Type:</b>	Other Regulatory Actions

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Date:</b>		4/13/2018				
<b>Received Issue Date:</b>		4/13/2018				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6354994&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6354994&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		2/14/2018				
<b>Received Issue Date:</b>		2/14/2018				
<b>Action:</b>		Well Installation Workplan - Regulator Responded				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5961967">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5961967</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/14/2016				
<b>Received Issue Date:</b>		11/14/2016				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6313051&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6313051&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		8/30/2016				
<b>Received Issue Date:</b>		8/30/2016				
<b>Action:</b>		Other Report / Document				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5898833">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5898833</a>				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		4/29/2016				
<b>Received Issue Date:</b>		4/29/2016				
<b>Action:</b>		Soil Vapor Intrusion Investigation Workplan - Regulator Responded				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5888884">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0605902221&amp;doc_id=5888884</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/22/2015				
<b>Received Issue Date:</b>		10/22/2015				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6265204&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6265204&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/30/2015				
<b>Received Issue Date:</b>		9/30/2015				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6262825&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6262825&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/13/2015				
<b>Received Issue Date:</b>		5/13/2015				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6244838&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6244838&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/26/2015				
<b>Received Issue Date:</b>		1/26/2015				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6234292&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6234292&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/3/2013				
<b>Received Issue Date:</b>		10/3/2013				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6177783&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6177783&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		7/8/2013				
<b>Received Issue Date:</b>		7/8/2013				



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action:</b> <b>Doc Link:</b>		Access Agreement http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6166231&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 10/23/2012 10/23/2012 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6140794&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 9/10/2012 9/10/2012 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6137393&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 5/4/2012 5/4/2012 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6120864&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 6/30/2011 6/30/2011 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6090963&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 2/17/2011 2/17/2011 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6078289&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 11/18/2010 11/18/2010 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6069630&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 4/26/2010 4/26/2010 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6049173&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 7/14/2009 7/14/2009 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6021035&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 4/28/2009 4/28/2009 Staff Letter http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6011551&template=ENFORCEMENT				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b>		Other Regulatory Actions 3/10/2009 3/10/2009				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b> <b>Doc Link:</b>		Staff Letter			<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6006980&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6006980&amp;template=ENFORCEMENT</a>	
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 1/30/2009 1/30/2009 Staff Letter <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6001108&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6001108&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 12/2/2008 12/2/2008 Staff Letter <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=5995425&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=5995425&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 5/9/2008 5/9/2008 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 10/11/2007 10/11/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 6/1/2007 6/1/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 1/18/2007 1/18/2007 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 11/27/2006 11/27/2006 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Other Regulatory Actions 11/3/2006 11/3/2006 Staff Letter				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Response Requested - Reports 10/30/2003 1/1/1965 Soil and Water Investigation Report				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b> <b>Action:</b> <b>Doc Link:</b>		Enforcement/Orders 8/7/2003 8/7/2003 * Historical Enforcement				
<b>Action Type:</b> <b>Action Date:</b> <b>Received Issue Date:</b>		Cleanup Action 7/11/2002				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action:</b>		Free Product Removal				
<b>Doc Link:</b>						
<b>Action Type:</b>		Cleanup Action				
<b>Action Date:</b>		4/1/2001				
<b>Received Issue Date:</b>						
<b>Action:</b>		In Situ Physical/Chemical Treatment (other than SVE)				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		11/23/1998				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Reported				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		11/9/1998				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Discovery				
<b>Doc Link:</b>						
<b><u>LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)</u></b>						
<b>Title:</b>		MONITORING WELL INSTALLATION REPORT OF MW25 AND MW26 (MW26)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3187308192/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3187308192/T0605902221.PDF</a>				
<b>Size :</b>		106 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		8/12/2018*				
<b>Title:</b>		MONITORING WELL INSTALLATION REPORT OF MW25 AND MW26 (MW25)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4445709466/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4445709466/T0605902221.PDF</a>				
<b>Size :</b>		104 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		8/12/2018*				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1977932870/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1977932870/T0605902221.PDF</a>				
<b>Size :</b>		172 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		7/19/2018*				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8854257404/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8854257404/T0605902221.PDF</a>				
<b>Size :</b>		353 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		1/24/2018*				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3139032185/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3139032185/T0605902221.PDF</a>				
<b>Size :</b>		4,009 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		5/24/2017*				
<b>Title:</b>		B43-SV14SD (B43-SV14SD)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2181976556/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2181976556/T0605902221.PDF</a>				
<b>Size :</b>		448 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		9/29/2016				
<b>Title:</b>		B41-SV12SD (B41-SV12SD)				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5914375007/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5914375007/T0605902221.PDF</a>				
<b>Size :</b>		451 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		9/29/2016				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5468908905/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5468908905/T0605902221.PDF</a>				
<b>Size :</b>		4,002 KB				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		9/29/2016				
<b>Title:</b>		B42-SV13SD (B42-SV13SD)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7930228888/T0605902221.PDF				
<b>Size :</b>		448 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		9/29/2016				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3332655489/T0605902221.PDF				
<b>Size :</b>		272 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		7/1/2016*				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3463255465/T0605902221.PDF				
<b>Size :</b>		274 KB				
<b>Submitted By:</b>		ATC-SLO (CONTRACTOR)				
<b>Submitted:</b>		4/28/2016				
<b>Title:</b>		B38-AS/SVE11 (B38-AS/SVE11)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9816602349/T0605902221.PDF				
<b>Size :</b>		59 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B34-AS/SVE7 (B34-AS/SVE7)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3504927873/T0605902221.PDF				
<b>Size :</b>		38 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B35-AS/SVE8 (B35-AS/SVE8)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3729710400/T0605902221.PDF				
<b>Size :</b>		34 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B31-AS/SVE4 (B31-AS/SVE4)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4898783385/T0605902221.PDF				
<b>Size :</b>		37 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B39-AS/SVE12 (B39-AS/SVE12)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9558423638/T0605902221.PDF				
<b>Size :</b>		64 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B32-AS/SVE5 (B32-AS/SVE5)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2836850762/T0605902221.PDF				
<b>Size :</b>		35 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B40-AS/SVE13 (B40-AS/SVE13)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3801421403/T0605902221.PDF				
<b>Size :</b>		61 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				
<b>Title:</b>		B36-AS/SVE9 (B36-AS/SVE9)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2180832862/T0605902221.PDF				
<b>Size :</b>		34 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		11/16/2011				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B37-AS/SVE10 (B37-AS/SVE10)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3603357970/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3603357970/T0605902221.PDF</a> 40 KB CARDNO (AUTH_RP) 11/16/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B33-AS/SVE6 (B33-AS/SVE6)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1830860912/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1830860912/T0605902221.PDF</a> 36 KB CARDNO (AUTH_RP) 11/16/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5345249950/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5345249950/T0605902221.PDF</a> 39 KB CARDNO (AUTH_RP) 11/15/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B29- AS/SVE2 (B29- AS/SVE2)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7507737517/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7507737517/T0605902221.PDF</a> 3,063 KB CARDNO (AUTH_RP) 6/17/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7987075090/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7987075090/T0605902221.PDF</a> 1,589 KB CARDNO (AUTH_RP) 6/17/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B28- AS/SVE1 (B28- AS/SVE1)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8659687817/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8659687817/T0605902221.PDF</a> 3,400 KB CARDNO (AUTH_RP) 6/17/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B30- AS/SVE3 (B30- AS/SVE3)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1303007006/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1303007006/T0605902221.PDF</a> 3,097 KB CARDNO (AUTH_RP) 6/17/2011	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2687447965/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2687447965/T0605902221.PDF</a> 39 KB CARDNO (AUTH_RP) 3/24/2010	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9131262540/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9131262540/T0605902221.PDF</a> 196 KB CARDNO (AUTH_RP) 3/23/2010	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		B27/MW24 (B27/MW24)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8813348352/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8813348352/T0605902221.PDF</a> 1,488 KB CARDNO (AUTH_RP) 3/23/2010	
<b>Title:</b> <b>Link:</b> <b>Size :</b> <b>Submitted By:</b> <b>Submitted:</b>		GEO_BORE (B26)			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7358813226/T0605902221.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7358813226/T0605902221.pdf</a> 62 KB CARDNO (AUTH_RP) 8/15/2007	
<b>Title:</b> <b>Link:</b> <b>Size :</b>		GEO_MAP			<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7602966129/T0605902221.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7602966129/T0605902221.pdf</a> 337 KB	

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<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		8/15/2007				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9872113883/T0605902221.jpg				
<b>Size :</b>		274 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		12/10/2004				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6674543082/T0605902221.jpg				
<b>Size :</b>		168 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		7/6/2004				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3842817008/T0605902221.jpg				
<b>Size :</b>		153 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		2/27/2004				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9824284195/T0605902221.pdf				
<b>Size :</b>		130 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		12/2/2003				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5938459098/T0605902221.pdf				
<b>Size :</b>		53 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		5/8/2002				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7714536368/T0605902221.pdf				
<b>Size :</b>		49 KB				
<b>Submitted By:</b>		CARDNO (AUTH_RP)				
<b>Submitted:</b>		3/20/2002				

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	12,358 KB
<b>Document Date:</b>	10/26/2018*	<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)
<b>Type:</b>	MONITORING REPORT - QUARTERLY	<b>Submitted:</b>	
<b>Title:</b>	THIRD QUARTER 2018 GROUNDWATER MONITORING REPORT		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8690414667/T0605902221.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	8,788 KB
<b>Document Date:</b>	8/12/2018*	<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)
<b>Type:</b>	WELL INSTALLATION REPORT	<b>Submitted:</b>	
<b>Title:</b>	MONITORING WELL INSTALLATION REPORT OF MW25 AND MW26		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5733527064/T0605902221.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	8/3/2018	<b>Submitted By:</b>	SHYAMALA RAJAGOPAL (REGULATOR)
<b>Type:</b>	STAFF LETTER	<b>Submitted:</b>	
<b>Title:</b>	RESPONSE TO WORK PLAN FOR CPT/U/VOST SOIL BORINGS		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6365822		
<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	16,166 KB
<b>Document Date:</b>	6/8/2018*	<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)
<b>Type:</b>	MONITORING REPORT - QUARTERLY	<b>Submitted:</b>	
<b>Title:</b>	SECOND QUARTER 2018 GROUNDWATER MONITORING REPORT		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4628659188/T0605902221.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	2,577 KB
<b>Document Date:</b>	6/6/2018	<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)
<b>Type:</b>	SOIL AND WATER INVESTIGATION	<b>Submitted:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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WORKPLAN						
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Document Type:	Site Documents		Size :	12,790 KB		
Document Date:	4/13/2018		Submitted By:	SHYAMALA RAJAGOPAL (REGULATOR)		
Type:	STAFF LETTER		Submitted:			
Title:	RESPONSE TO WORK PLAN FOR MONITORING WELL INSTALLATION					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6354994">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6354994</a>					
Document Type:	Monitoring Reports		Size :	12,790 KB		
Document Date:	3/23/2018*		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	FIRST QUARTER 2018 GROUNDWATER MONITORING REPORT					
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Document Type:	Site Documents		Size :	2,796 KB		
Document Date:	2/14/2018		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	WELL INSTALLATION WORKPLAN		Submitted:			
Title:	MONITORING WELL INSTALLATION WORK PLAN					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6344970941/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6344970941/T0605902221.PDF</a>					
Document Type:	Monitoring Reports		Size :	14,667 KB		
Document Date:	1/26/2018*		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	FOURTH QUARTER 2017 GROUNDWATER MONITORING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2689270257/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2689270257/T0605902221.PDF</a>					
Document Type:	Monitoring Reports		Size :	14,014 KB		
Document Date:	9/7/2017*		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	THIRD QUARTER 2017 GROUNDWATER MONITORING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2166938483/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2166938483/T0605902221.PDF</a>					
Document Type:	Monitoring Reports		Size :	12,515 KB		
Document Date:	6/23/2017*		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	SECOND QUARTER 2017 GROUNDWATER MONITORING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4445878982/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4445878982/T0605902221.PDF</a>					
Document Type:	Site Documents		Size :	4,537 KB		
Document Date:	5/24/2017*		Submitted By:	CARDNO (AUTH_RP)		
Type:	WELL DESTRUCTION REPORT		Submitted:			
Title:	WELL DESTRUCTION AND REMEDIATION SYSTEM ENCLOSURE DEMOLITION REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6571524262/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6571524262/T0605902221.PDF</a>					
Document Type:	Monitoring Reports		Size :	11,464 KB		
Document Date:	3/30/2017*		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	FIRST QUARTER 2017 GROUNDWATER MONITORING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9870767414/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9870767414/T0605902221.PDF</a>					
Document Type:	Monitoring Reports		Size :	11,752 KB		
Document Date:	12/30/2016		Submitted By:	ATC-SLO (CONTRACTOR)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	FOURTH QUARTER 2016 GROUNDWATER MONITORING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2942053437/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2942053437/T0605902221.PDF</a>					
Document Type:	Site Documents		Size :			
Document Date:	11/14/2016		Submitted By:	GENIECE HIGGINS (REGULATOR)		
Type:	STAFF LETTER		Submitted:			
Title:	RESPONSE TO SOIL VAPOR SAMPLING REPORT					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6313051">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;enforcement_id=6313051</a>					
Document Type:	Site Documents		Size :	8,484 KB		
Document Date:	9/29/2016		Submitted By:	CARDNO (AUTH_RP)		
Type:	WELL INSTALLATION REPORT		Submitted:			
Title:	REPORT FOR THE INSTALLATION OF THREE SOIL VAPOR SAMPLING WELLS					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7575712740/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7575712740/T0605902221.PDF</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Document Date:</b>	9/19/2016			<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	THIRD QUARTER 2016 GROUNDWATER MONITORING REPORT					
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<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	8/30/2016			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	OTHER REPORT / DOCUMENT			<b>Submitted:</b>		
<b>Title:</b>	NOTIFICATION OF CONSULTANT CHANGE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;document_id=5898833">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;document_id=5898833</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	30,769 KB	
<b>Document Date:</b>	7/15/2016			<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	SECOND QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4357917547/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4357917547/T0605902221.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	245 KB	
<b>Document Date:</b>	5/23/2016			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN			<b>Submitted:</b>		
<b>Title:</b>	309402.W08A 18378 ADDENDUM TO WORK PLAN FOR ADDITIONAL SOIL VAPOR ASSESSMENT. 05-23-16					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8746131658/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8746131658/T0605902221.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	4/29/2016			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN			<b>Submitted:</b>		
<b>Title:</b>	309401.W08 18378 WORK PLAN FOR ADDITIONAL SOIL VAPOR ASSESSMENT. 04-28-16 - REGULATOR RESPONSE					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;document_id=5888884">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&amp;document_id=5888884</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	18,569 KB	
<b>Document Date:</b>	4/28/2016			<b>Submitted By:</b>	ATC-SLO (CONTRACTOR)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	FIRST QUARTER 2016 GROUNDWATER MONITORING REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7684213995/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7684213995/T0605902221.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	7,224 KB	
<b>Document Date:</b>	4/28/2016			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN			<b>Submitted:</b>		
<b>Title:</b>	309401.W08 18378 WORK PLAN FOR ADDITIONAL SOIL VAPOR ASSESSMENT. 04-28-16					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7667792975/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7667792975/T0605902221.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	33,626 KB	
<b>Document Date:</b>	2/1/2016			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	CONCEPTUAL SITE MODEL			<b>Submitted:</b>		
<b>Title:</b>	RELLC LAKE FOREST SCM FINAL 020116					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7818384528/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7818384528/T0605902221.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	7,448 KB	
<b>Document Date:</b>	12/18/2015			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 4TH QUARTER 2015 GROUNDWATER MONITORING AND STATUS REPORT. 12-18-15					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9542002081/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9542002081/T0605902221.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	10,123 KB	
<b>Document Date:</b>	12/1/2015			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 3RD QUARTER 2015 GROUNDWATER MONITORING AND STATUS REPORT. 12-01-15					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7454688787/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7454688787/T0605902221.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	10/22/2015			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	OCLOP DIRECTIVE LETTER DATED SEPTEMBER 30, 2015 AND INTERIM REMEDIAL ACTION					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	9/30/2015			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	IRAP					
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<b>Type:</b>	CAP/RAP - OTHER REPORT			<b>Submitted:</b>		
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<b>Type:</b>	FEASIBILITY STUDY (FS)			<b>Submitted:</b>		
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9494776427/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9494776427/T0605902221.PDF</a>					
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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		

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<b>Type:</b>	OTHER WORKPLAN			<b>Submitted:</b>		
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7980359911/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7980359911/T0605902221.PDF</a>					
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<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
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<b>Title:</b>	3094 18378 1ST QUARTER 2012 GROUNDWATER MONITORING AND STATUS REPORT. 03-01-12					
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<b>Title:</b>	3094 18378 FOURTH QUARTER 2011 GROUNDWATER MONITORING AND STATUS REPORT. 12-8-2011					
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Document Date:	6/30/2011		Submitted By:	KEVIN LAMBERT (REGULATOR)		
Type:	STAFF LETTER		Submitted:			
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Document Date:	6/17/2011		Submitted By:	CARDNO (AUTH_RP)		
Type:	WELL INSTALLATION REPORT		Submitted:			
Title:	309405.R20 18378 REVISED CORRECTIVE ACTION PLAN. 06-17-11					
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Title:	3094 18378 2ND QUARTER 2011 GROUNDWATER MONITORING AND STATUS REPORT. 06-09-11					
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Document Date:	3/1/2011*		Submitted By:	CARDNO (AUTH_RP)		
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Title:	309405.W06A 18378 WORK PLAN ADDENDDUM TO INSTALL 3 AS-SVE WELLS AND CONDUCT AN AS-SVE FEASIBILITY TEST. 03-01-11					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8783421337/T0605902221.PDF					
Document Type:	Site Documents		Size :			
Document Date:	2/17/2011		Submitted By:	KEVIN LAMBERT (REGULATOR)		
Type:	STAFF LETTER		Submitted:			
Title:	WORK PLAN APPROVAL					
Title Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6078289					
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Type:	SITE INVESTIGATION WORKPLAN		Submitted:			
Title:	309405.W06 18378 WORK PLAN TO INSTALL THREE AS-SVE WELLS AND CONDUCT AN AS-SVE FEASIBILITY TEST. 01-26-11					
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Document Date:	12/10/2010		Submitted By:	CARDNO (AUTH_RP)		
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	3094 18378 FOURTH QUARTER 2010 GROUNDWATER MONITORING AND STATUS REPORT. 12-10-10					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2680368006/T0605902221.PDF					
Document Type:	Site Documents		Size :			
Document Date:	11/18/2010		Submitted By:	KEVIN LAMBERT (REGULATOR)		
Type:	STAFF LETTER		Submitted:			
Title:	DUAL PHASE HIGH INTENSITY TARGETED EVENT REPORT					
Title Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902221&enforcement_id=6069630					
Document Type:	Site Documents		Size :	5,935 KB		
Document Date:	10/7/2010		Submitted By:	CARDNO (AUTH_RP)		



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Type:	REMEDIAL INVESTIGATION REPORT		Submitted:			
Title:	309405.R19 18378 30-DAY DUAL-PHASE EXTRACTION HIGH INTENSITY TARGETED EVENT REPORT. 10-07-10					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5191019713/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5191019713/T0605902221.PDF</a>					
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Document Date:	9/29/2010		Submitted By:		CARDNO (AUTH_RP)	
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Title:	3094 18378 THIRD QUARTER 2010 GROUNDWATER MONITORING AND STATUS REPORT. 9-29-10					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6225656092/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6225656092/T0605902221.PDF</a>					
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Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	3094 18378 2ND QUARTER 2010 GROUNDWATER MONITORING AND STATUS REPORT. 06-10-10.PDF					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9587060511/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9587060511/T0605902221.PDF</a>					
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Document Date:	3/25/2010		Submitted By:		CARDNO (AUTH_RP)	
Type:	RISK ASSESSMENT REPORT		Submitted:			
Title:	309403.R18 18378 SOIL VAPOR SURVEY AND VAPOR INTRUSION RISK ASSESSMENT REPORT. 03-25-10.PDF					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1691049158/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1691049158/T0605902221.PDF</a>					
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Document Date:	3/25/2010		Submitted By:		CARDNO (AUTH_RP)	
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Title:	309403.R17 18378 REPORT FOR THE INSTALLATION OF ONE OFF-SITE GROUNDWATER MONITORING WELL. 03-25-10.PDF					
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Type:	CORRESPONDENCE		Submitted:			
Title:	309403KL.L54 (18378) CHANGE IN EXXONMOBIL OIL CORPORATION PROJECT MANGEMENT. 03-18-10.PDF					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9121263802/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9121263802/T0605902221.PDF</a>					
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Title:	3094 18378 1ST QUARTER 2010 GROUNDWATER MONITORING AND STATUS REPORT. 02-26-10 PART 1 OF 2.PDF					
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Document Date:	12/11/2009		Submitted By:		CARDNO (AUTH_RP)	
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	3094 18378 4TH QUARTER 2009 GROUNDWATER MONITORING AND STATUS REPORT.12-11-09.PDF					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7537996590/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7537996590/T0605902221.PDF</a>					

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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	QUARTERLY GROUNDWATER MONITORING REQUIREMENTS					
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<b>Title:</b>	3094 18378 2ND QUARTER 2009 GROUNDWATER MONITORING AND STATUS REPORT. 06-05-09.PDF					
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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
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<b>Type:</b>	SOIL AND WATER INVESTIGATION WORKPLAN			<b>Submitted:</b>		
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<b>Type:</b>	OTHER WORKPLAN			<b>Submitted:</b>		
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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
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<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8007187366/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8007187366/T0605902221.PDF</a>					
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<b>Type:</b>	OTHER REPORT / DOCUMENT			<b>Submitted:</b>		
<b>Title:</b>	309403.R16 18378 FIRE AND EXPLOSION VAULT SURVEY REPORT. 08-01-08					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6975239634/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6975239634/T0605902221.PDF</a>					
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<b>Type:</b>	CORRESPONDENCE - OTHER			<b>Submitted:</b>		
<b>Title:</b>	309414KL.L48 18378 CHANGE IN EXXONMOBIL OIL CORPORATION PROJECT MANAGEMENT. 06-26-08					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2420323014/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2420323014/T0605902221.PDF</a>					
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<b>Type:</b>	REPORTS - QUARTERLY STATUS REPORT			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 2ND QUARTER 2008 GROUNDWATER MONITORING AND STATUS REPORT. 05-30-08					
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<b>Type:</b>	WORKPLANS - OTHER WP			<b>Submitted:</b>		
<b>Title:</b>	309403.W03 18378 WORK PLAN FOR A UTILITY VAULT FIRE AND EXPLOSION SURVEY. 04-23-08					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5566929697/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5566929697/T0605902221.PDF</a>					
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<b>Type:</b>	REPORTS - QUARTERLY STATUS REPORT			<b>Submitted:</b>		
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<b>Title:</b>	3094 18378 4TH QUARTER 2007 GROUNDWATER MONITORING AND STATUS REPORT. 01-16-08					
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<b>Title:</b>	3094 18378 3RD QUARTER 2007 GROUNDWATER MONITORING AND STATUS REPORT.10-26-07 PART 2 OF 2					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8469942986/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8469942986/T0605902221.PDF</a>					
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<b>Type:</b>	REPORTS - INVESTIGATION RPT.			<b>Submitted:</b>		
<b>Title:</b>	309403.R15 18378 REPORT FOR THE INSTALLATION OF ONE ON-SITE GROUNDWATER MONITORING WELL AND THE RAISING OF ONE OFF-SITE GROUNDWATER MONITORING WELL. 08-21-07					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7160496592/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7160496592/T0605902221.PDF</a>					
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<b>Title:</b>	3094 18378 2ND QUARTER 2007 GROUNDWATER MONITORING AND STATUS REPORT. 07-26-07					
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<b>Title:</b>	3094 18378 1ST QUARTER 2007 GROUNDWATER MONITORING AND STATUS REPORT. 05-10-07					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5137103021/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5137103021/T0605902221.PDF</a>					



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<b>Title:</b>	309405.R14 18378 CORRECTIVE ACTION PLAN ADDENDUM. 02-27-07.PDF					
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Title:</b>	309414.R13 18378 WELL DESTRUCTION AND WELL CASING LOWERING LETTER REPORT. 2-9-05.PDF					
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<b>Document Date:</b>	1/11/2007			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 4TH QUARTER 2006 GROUNDWATER MONITORING AND STATUS REPORT. 01-10-07					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5276080071/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,694 KB	
<b>Document Date:</b>	12/4/2006			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 2ND QUARTER 2006 GROUNDWATER MONITORING AND STATUS REPORT. 06-02-06.PDF					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3512678384/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	4,758 KB	
<b>Document Date:</b>	10/25/2006			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 3RD QUARTER 2006 GROUNDWATER MONITORING AND STATUS REPORT. 09-08-06.PDF					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8503217935/T0605902221.PDF					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	2,657 KB	
<b>Document Date:</b>	5/8/2006			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	REPORTS - QUARTERLY STATUS REPORT			<b>Submitted:</b>		
<b>Title:</b>	3094 18378 1ST QUARTER 2006 STATUS REPORT. 03-29-06					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7218091666/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,495 KB	
<b>Document Date:</b>	12/22/2005			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094QRTR0305					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7479566276/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	1,523 KB	
<b>Document Date:</b>	11/3/2005			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094QRTR0305					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2577329337/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,415 KB	
<b>Document Date:</b>	7/8/2005			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	3094QRTR0205					
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6141784489/T0605902221.PDF					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	1,817 KB	
<b>Document Date:</b>	5/11/2005			<b>Submitted By:</b>	CARDNO (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title:</b> 3094 18378 1ST QUARTER 2005 STATUS REPORT. 04-22-05 <b>Title Link:</b> <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3805051505/T0605902221.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3805051505/T0605902221.PDF</a>						
<a href="#">33</a>	1 of 1	NNW	0.42 / 2,239.75	369.06 / -31	UNOCAL #6186 24382 MUIRLANDS LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b> RO0002900 <b>Case ID:</b> 91UT084 <b>Case Type:</b> S <b>Case Type Desc:</b> Soil only affected <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded <b>Case Closed Date:</b> 6/21/1994 <b>Type of Closure:</b> Closure certification issued						

<a href="#">34</a>	1 of 1	NNW	0.43 / 2,262.68	371.83 / -29	CHEVRON #9-0884 22942 RIDGE ROUTE LAKE FOREST CA 92630	LUST
<b>Global ID:</b> T0605979060 <b>Status:</b> COMPLETED - CASE CLOSED <b>Status Date:</b> 2015-01-15 00:00:00 <b>Case Type:</b> LUST CLEANUP SITE <b>Date Source:</b> LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download <b>County:</b> ORANGE <b>Latitude:</b> 33.628758 <b>Longitude:</b> -117.704037						

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>		<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	02UT028	<b>How Discovered:</b>	* SA
<b>Begin Date:</b>	2002-10-02 00:00:00	<b>Stop Method:</b>	Other Means
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	NO	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Aquifer used for drinking water supply		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)		
<b>DWR GW Subbasin Name:</b>	Coastal Plain Of Orange County (8-001)		
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

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.

#### Regulatory Activity

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2015-01-15 00:00:00
<b>Action:</b>	Closure/No Further Action Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2014-11-25 00:00:00
<b>Action:</b>	Notification - Preclosure
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2014-09-17 00:00:00
<b>Action:</b>	Notification - Public Notice of Case Closure
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2014-09-17 00:00:00
<b>Action:</b>	Notification - Public Participation Document
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2013-05-21 00:00:00
<b>Action:</b>	File review

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2012-12-13 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2012-07-25 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2011-07-21 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2010-07-15 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2009-07-14 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-10-28 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-10-06 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-09-29 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2008-05-02 00:00:00 Corrective Action Plan / Remedial Action Plan				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2008-03-14 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2007-10-31 00:00:00 Well Installation Report				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2007-07-09 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2007-05-01 00:00:00 Soil and Water Investigation Workplan				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2007-03-20 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		REMEDIATION 2005-08-04 00:00:00 Pump & Treat (P&T) Groundwater				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2005-04-05 00:00:00 Staff Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2004-05-28 00:00:00 Staff Letter				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2004-03-31 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2004-02-05 00:00:00				
<b>Action:</b>		Staff Letter				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2003-08-04 00:00:00				
<b>Action:</b>		Preliminary Site Assessment Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2003-04-18 00:00:00				
<b>Action:</b>		* Historical Enforcement				
<b>Action Type:</b>		Other				
<b>Date :</b>		2002-12-05 00:00:00				
<b>Action:</b>		Leak Reported				
<b>Action Type:</b>		Other				
<b>Date :</b>		2002-10-02 00:00:00				
<b>Action:</b>		Leak Discovery				

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		
<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 Main Street, Suite 500
<b>Contact Name:</b>	MIGUEL OVIEDO	<b>Email:</b>	miguel.oviedo@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9517823238
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

#### Status History

<b>Status:</b>	Completed - Case Closed
<b>Status Date:</b>	2015-01-15 00:00:00
<b>Status:</b>	Open - Eligible for Closure
<b>Status Date:</b>	2013-05-06 00:00:00
<b>Status:</b>	Open - Remediation
<b>Status Date:</b>	2005-04-05 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2003-06-30 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2003-04-09 00:00:00
<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	2002-12-16 00:00:00
<b>Status:</b>	Open - Case Begin Date
<b>Status Date:</b>	2002-10-02 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	CHEVRON #9-0884	<b>Address:</b>	22942 RIDGE ROUTE
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR, IND, PROC		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605979060">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605979060</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 1/15/2015		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605979060&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605979060&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	AQUIFER USED FOR DRINKING WATER SUPPLY		
<b>User Defined Beneficial Use:</b>	GW - MUNICIPAL AND DOMESTIC SUPPLY		
<b>DWR GW Sub Basin:</b>	Coastal Plain Of Orange County (8-001)		
<b>Calwater Watershed Name:</b>	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 02UT028 CASEWORKER: KEVIN LAMBERT SANTA ANA RWQCB (REGION 8) CASEWORKER: MIGUEL OVIEDO		

#### 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.

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	1/15/2015
<b>Status:</b>	Open - Eligible for Closure
<b>Date :</b>	5/6/2013
<b>Status:</b>	Open - Remediation
<b>Date :</b>	4/5/2005
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	6/30/2003
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	4/9/2003
<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	12/16/2002
<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	10/2/2002

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

<b>Action Type:</b>	PUMP & TREAT (P&T) GROUNDWATER	<b>Begin Date:</b>	8/4/2005
<b>Phase:</b>	Water	<b>End Date:</b>	3/14/2006
<b>Contaminant Mass Removed:</b>	1,225 Gallons		
<b>Description:</b>	OVERPURGING USING WELLS MW-1, MW-2, MW-6, AND MW-7		

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	1/15/2015
<b>Received Issue Date:</b>	1/15/2015
<b>Action:</b>	Closure/No Further Action Letter
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233455&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233455&amp;temptable=ENFORCEMENT</a>
<b>Action Type:</b>	Other Regulatory Actions

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Date:</b>		1/15/2015				
<b>Received Issue Date:</b>		1/15/2015				
<b>Action:</b>		Closure/No Further Action Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233458&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233458&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		11/25/2014				
<b>Received Issue Date:</b>		11/25/2014				
<b>Action:</b>		Notification - Preclosure				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6228964&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6228964&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		9/17/2014				
<b>Received Issue Date:</b>		9/17/2014				
<b>Action:</b>		Notification - Public Participation Document				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221258&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221258&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		9/17/2014				
<b>Received Issue Date:</b>		9/17/2014				
<b>Action:</b>		Notification - Public Notice of Case Closure				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221246&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221246&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/21/2013				
<b>Received Issue Date:</b>		5/21/2013				
<b>Action:</b>		File review				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		12/13/2012				
<b>Received Issue Date:</b>		12/13/2012				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6144933&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6144933&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/25/2012				
<b>Received Issue Date:</b>		7/25/2012				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6131238&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6131238&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/21/2011				
<b>Received Issue Date:</b>		7/21/2011				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/15/2010				
<b>Received Issue Date:</b>		7/15/2010				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6057526&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6057526&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/14/2009				
<b>Received Issue Date:</b>		7/14/2009				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6020920&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6020920&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/28/2008				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Received Issue Date:</b>		10/28/2008				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5991824&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5991824&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/6/2008				
<b>Received Issue Date:</b>		10/6/2008				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5989733&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5989733&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/29/2008				
<b>Received Issue Date:</b>		9/29/2008				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5997279&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=5997279&amp;template=ENFORCEMENT</a>				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		5/2/2008				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/14/2008				
<b>Received Issue Date:</b>		3/14/2008				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		10/31/2007				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Well Installation Report				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/9/2007				
<b>Received Issue Date:</b>		7/9/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		5/1/2007				
<b>Received Issue Date:</b>		6/5/2007				
<b>Action:</b>		Soil and Water Investigation Workplan				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/20/2007				
<b>Received Issue Date:</b>		3/20/2007				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Cleanup Action				
<b>Action Date:</b>		8/4/2005				
<b>Received Issue Date:</b>						
<b>Action:</b>		Pump & Treat (P&T) Groundwater				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/5/2005				
<b>Received Issue Date:</b>		4/5/2005				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/28/2004				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Received Issue Date:</b>		5/28/2004				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		3/31/2004				
<b>Received Issue Date:</b>		3/31/2004				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/5/2004				
<b>Received Issue Date:</b>		2/5/2004				
<b>Action:</b>		Staff Letter				
<b>Doc Link:</b>						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		8/4/2003				
<b>Received Issue Date:</b>		1/1/1965				
<b>Action:</b>		Preliminary Site Assessment Report				
<b>Doc Link:</b>						
<b>Action Type:</b>		Enforcement/Orders				
<b>Action Date:</b>		4/18/2003				
<b>Received Issue Date:</b>		4/18/2003				
<b>Action:</b>		* Historical Enforcement				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		12/5/2002				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Reported				
<b>Doc Link:</b>						
<b>Action Type:</b>		Leak Action				
<b>Action Date:</b>		10/2/2002				
<b>Received Issue Date:</b>						
<b>Action:</b>		Leak Discovery				
<b>Doc Link:</b>						

**LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

<b>Title:</b>		MW-1 (MW-1)
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8288926601/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8288926601/T0605979060.PDF</a>
<b>Size :</b>		832 KB
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)
<b>Submitted:</b>		4/25/2014
<b>Title:</b>		MW-3 (MW-3)
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1479051113/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1479051113/T0605979060.PDF</a>
<b>Size :</b>		818 KB
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)
<b>Submitted:</b>		4/25/2014
<b>Title:</b>		MW-6 (MW-6)
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9093692839/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9093692839/T0605979060.PDF</a>
<b>Size :</b>		115 KB
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)
<b>Submitted:</b>		4/22/2014
<b>Title:</b>		MW-9 (MW-9)
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5587525844/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5587525844/T0605979060.PDF</a>
<b>Size :</b>		83 KB
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)
<b>Submitted:</b>		4/22/2014
<b>Title:</b>		MW-8 (MW-8)
<b>Link:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3105869352/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3105869352/T0605979060.PDF</a>

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Size :</b>		84 KB				
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)				
<b>Submitted:</b>		4/22/2014				
<b>Title:</b>		MW-2 (MW-2)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5132978320/T0605979060.PDF				
<b>Size :</b>		160 KB				
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)				
<b>Submitted:</b>		4/22/2014				
<b>Title:</b>		MW-5 (MW-5)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3842759609/T0605979060.PDF				
<b>Size :</b>		90 KB				
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)				
<b>Submitted:</b>		4/22/2014				
<b>Title:</b>		MW-7 (MW-7)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3905434787/T0605979060.PDF				
<b>Size :</b>		92 KB				
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)				
<b>Submitted:</b>		4/22/2014				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1940392673/T0605979060.PDF				
<b>Size :</b>		280 KB				
<b>Submitted By:</b>		ARCADIS (CONTRACTOR)				
<b>Submitted:</b>		4/22/2014				
<b>Title:</b>		GEOBORE: MW-11 (MW-11)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9206432521/T0605979060.PDF				
<b>Size :</b>		100 KB				
<b>Submitted By:</b>		LEIDOS (SAIC) (AUTH_RP)				
<b>Submitted:</b>		3/18/2009				
<b>Title:</b>		GEOBORE: MW-10 (MW-10)				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8661797642/T0605979060.PDF				
<b>Size :</b>		104 KB				
<b>Submitted By:</b>		LEIDOS (SAIC) (AUTH_RP)				
<b>Submitted:</b>		3/18/2009				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7868172764/T0605979060.PDF				
<b>Size :</b>		69 KB				
<b>Submitted By:</b>		LEIDOS (SAIC) (AUTH_RP)				
<b>Submitted:</b>		3/18/2009				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7948270499/T0605979060.pdf				
<b>Size :</b>		264 KB				
<b>Submitted By:</b>		JASON LEE (RP)				
<b>Submitted:</b>		10/19/2007				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6042279899/T0605979060.pdf				
<b>Size :</b>		292 KB				
<b>Submitted By:</b>		JASON LEE (RP)				
<b>Submitted:</b>		8/14/2006				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1658695816/T0605979060.pdf				
<b>Size :</b>		265 KB				
<b>Submitted By:</b>		JASON LEE (RP)				
<b>Submitted:</b>		12/22/2005				
<b>Title:</b>		GEO_MAP				
<b>Link:</b>		http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3717160880/T0605979060.pdf				
<b>Size :</b>		126 KB				
<b>Submitted By:</b>		JASON LEE (RP)				
<b>Submitted:</b>		5/6/2004				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	1/15/2015	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	CLOSURE/NO FURTHER ACTION LETTER	<b>Submitted:</b>	
<b>Title:</b>	CCS FINAL		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233458">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233458</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	1/15/2015	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	CLOSURE/NO FURTHER ACTION LETTER	<b>Submitted:</b>	
<b>Title:</b>	RACC		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233455">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6233455</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	2,903 KB
<b>Document Date:</b>	12/9/2014*	<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)
<b>Type:</b>	WELL DESTRUCTION REPORT	<b>Submitted:</b>	
<b>Title:</b>	90884_ WELL DECOMMISSIONING REPORT_FINAL_12092014		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2012611150/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2012611150/T0605979060.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	11/25/2014	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	NOTIFICATION - PRECLOSURE	<b>Submitted:</b>	
<b>Title:</b>	NOTIFICATION OF PRE-CLOSURE REQUIREMENTS		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6228964">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6228964</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	9/17/2014	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	NOTIFICATION - PUBLIC PARTICIPATION DOCUMENT	<b>Submitted:</b>	
<b>Title:</b>	DRAFT CASE CLOSURE SUMMARY		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221258">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221258</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	9/17/2014	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE	<b>Submitted:</b>	
<b>Title:</b>	PUBLIC/LAND OWNER/RP NOTICE OF PROPOSED CASE CLOSURE		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221246">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6221246</a>		
<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	4,163 KB
<b>Document Date:</b>	5/15/2013	<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY	<b>Submitted:</b>	
<b>Title:</b>	90884 FIN 1Q13 SAMR 05152013		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3783052563/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3783052563/T0605979060.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	12/13/2012	<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)
<b>Type:</b>	STAFF LETTER	<b>Submitted:</b>	
<b>Title:</b>	LOW-THREAT CLOSURE REQUEST LETTER		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6144933">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6144933</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	69 KB
<b>Document Date:</b>	11/30/2012	<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)
<b>Type:</b>	CORRESPONDENCE	<b>Submitted:</b>	
<b>Title:</b>	90884 AUS PM CCN 10292012		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9696567595/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9696567595/T0605979060.PDF</a>		
<b>Document Type:</b>	Monitoring Reports	<b>Size :</b>	2,768 KB
<b>Document Date:</b>	11/11/2012	<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY	<b>Submitted:</b>	
<b>Title:</b>	90884 2Q3Q12 SASR		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5652768969/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5652768969/T0605979060.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	10,083 KB
<b>Document Date:</b>	10/31/2012	<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)
<b>Type:</b>	CLOSURE REPORT	<b>Submitted:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Title:</b>	LOW THREAT CLOSURE REQUEST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9174991667/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9174991667/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	7/25/2012			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	CASE CLOSURE REVIEW					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6131238">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6131238</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	14,177 KB	
<b>Document Date:</b>	7/11/2012			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	CLOSURE REPORT			<b>Submitted:</b>		
<b>Title:</b>	9-0884 CASE CLOSURE REQUEST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5340193986/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5340193986/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	87 KB	
<b>Document Date:</b>	5/30/2012			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
<b>Title:</b>	CVX PM CHANGE NOTIFICATION REGULATORY					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7221485197/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7221485197/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	87 KB	
<b>Document Date:</b>	5/30/2012			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
<b>Title:</b>	CVX PM CHANGE NOTIFICATION PROPERTY OWNER					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4047529101/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4047529101/T0605979060.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,837 KB	
<b>Document Date:</b>	4/20/2012			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	90884 4Q11 & 1Q12 SASR FIN 04202012					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9145340919/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9145340919/T0605979060.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	3,929 KB	
<b>Document Date:</b>	9/2/2011*			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	90884 2Q11&3Q11 SASR FIN 0902011.PDF					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8640103936/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8640103936/T0605979060.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	7,263 KB	
<b>Document Date:</b>	4/1/2011			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	4Q10 & 1Q11 SAMR					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1309136927/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1309136927/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	4,399 KB	
<b>Document Date:</b>	1/12/2011			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	WELL DESTRUCTION REPORT			<b>Submitted:</b>		
<b>Title:</b>	WELL DESTRUCTION REPORT (MW-2)					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3162531554/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3162531554/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	59 KB	
<b>Document Date:</b>	11/11/2010			<b>Submitted By:</b>	REBECCA ANDRESEN (AUTH_RP)	
<b>Type:</b>	CORRESPONDENCE			<b>Submitted:</b>		
<b>Title:</b>	CHANGE OF CONTACT LETTER					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8790415465/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8790415465/T0605979060.PDF</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>		
<b>Document Date:</b>	7/15/2010			<b>Submitted By:</b>	KEVIN LAMBERT (REGULATOR)	
<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
<b>Title:</b>	SCM & CASE CLOSURE REQUEST					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6057526">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605979060&amp;enforcement_id=6057526</a>					
<b>Document Type:</b>	Site Documents			<b>Size :</b>	11,272 KB	
<b>Document Date:</b>	3/31/2010			<b>Submitted By:</b>	MAY DELA CRUZ (AUTH_RP)	
<b>Type:</b>	REQUEST FOR CLOSURE			<b>Submitted:</b>		
<b>Title:</b>	UST REMOVAL SOIL SAMPLING & CHEMICAL ANALYSES					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7322022438/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7322022438/T0605979060.PDF</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>	Site Documents			<b>Size :</b>	3,518 KB	
<b>Document Date:</b>	3/5/2010			<b>Submitted By:</b>	LEIDOS (SAIC) (AUTH_RP)	
<b>Type:</b>	WELL DESTRUCTION REPORT			<b>Submitted:</b>		
<b>Title:</b>	WELL DESTRUCTION AND WELL BURIAL REPORT					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8159638762/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8159638762/T0605979060.PDF</a>					
<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	7,380 KB	
<b>Document Date:</b>	2/17/2010*			<b>Submitted By:</b>	LEIDOS (SAIC) (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
<b>Title:</b>	SEMIANNUAL MONITORING REPORT					
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<b>Document Date:</b>	10/1/2009			<b>Submitted By:</b>	LEIDOS (SAIC) (AUTH_RP)	
<b>Type:</b>	MONITORING REPORT - SEMI-ANNUALLY			<b>Submitted:</b>		
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<b>Document Type:</b>	Site Documents			<b>Size :</b>		
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<b>Type:</b>	STAFF LETTER			<b>Submitted:</b>		
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	4,034 KB	
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	3,309 KB	
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Type:</b>	CORRESPONDENCE - DIRECTIVE RELATED			<b>Submitted:</b>		
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Type:</b>	CORRESPONDENCE - OTHER			<b>Submitted:</b>		
<b>Title:</b>	REVISED PLATE 3 FROM THE WELL INSTALLATION WORKPLAN					
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9717604696/T0605979060.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9717604696/T0605979060.PDF</a>					
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<b>Document Date:</b>	6/11/2007			<b>Submitted By:</b>	JASON LEE (RP)	
<b>Type:</b>	WORKPLANS - OTHER WP			<b>Submitted:</b>		
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
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<b>Type:</b>	REPORTS - OTHER			<b>Submitted:</b>		
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,436 KB	
<b>Document Date:</b>	8/3/2006			<b>Submitted By:</b>	JASON LEE (RP)	
<b>Type:</b>	MONITORING REPORT - QUARTERLY			<b>Submitted:</b>		
<b>Title:</b>	SECOND QUARTER 2006 GROUNDWATER MONITORING AND PROGRESS REPORT					
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<b>Document Type:</b>	Site Documents			<b>Size :</b>	8,436 KB	
<b>Document Date:</b>	6/21/2006			<b>Submitted By:</b>	JASON LEE (RP)	
<b>Type:</b>	REPORTS - OTHER			<b>Submitted:</b>		
<b>Title:</b>	GROUNDWATER REMEDIATION REPORT					
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<b>Document Type:</b>	Monitoring Reports			<b>Size :</b>	2,807 KB	
<b>Document Date:</b>	5/2/2006			<b>Submitted By:</b>	JASON LEE (RP)	

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Document Date:	2/1/2006		Submitted By:		JASON LEE (RP)	
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	FOURTH QUARTER 2005 GROUNDWATER MONITORING AND PROGRESS REPORT					
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Document Type:	Site Documents		Size :		6,224 KB	
Document Date:	12/22/2005		Submitted By:		JASON LEE (RP)	
Type:	REPORTS - OTHER		Submitted:			
Title:	REPORT FOR GROUNDWATER OVERPURGING ACTIVITIES					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4490873038/T0605979060.PDF					
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Document Date:	10/26/2005		Submitted By:		JASON LEE (RP)	
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
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Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8153381168/T0605979060.PDF					
Document Type:	Monitoring Reports		Size :		1,388 KB	
Document Date:	7/29/2005		Submitted By:		JASON LEE (RP)	
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
Title:	2Q2005 GROUNDWATER MONITORING REPORT					
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Document Type:	Site Documents		Size :		40 KB	
Document Date:	4/29/2005		Submitted By:		JASON LEE (RP)	
Type:	CORRESPONDENCE - OTHER		Submitted:			
Title:	CHANGE OF CONTACT INFORMATION FOR CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY AND SCIENCE APPLICATIONS INTERNATIONAL CORPORATION					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8753705680/T0605979060.PDF					
Document Type:	Monitoring Reports		Size :		1,571 KB	
Document Date:	4/27/2005		Submitted By:		JASON LEE (RP)	
Type:	MONITORING REPORT - QUARTERLY		Submitted:			
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Document Date:	4/5/2005		Submitted By:		JASON LEE (RP)	
Type:	WORKPLANS - REMEDIAL ACTION PLAN		Submitted:			
Title:	INTERIM REMEDIAL ACTION PLAN					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5359754264/T0605979060.PDF					

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LUST

<b>Global ID:</b>	T0605902054	<b>County:</b>	ORANGE
<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.628763
<b>Status Date:</b>	1998-06-03 00:00:00	<b>Longitude:</b>	-117.704197
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>	083003004T	<b>Potential COC:</b>	Gasoline
<b>Local Case Number:</b>	97UT013	<b>How Discovered:</b>	Tank Closure
<b>Begin Date:</b>	1997-05-09 00:00:00	<b>Stop Method:</b>	Close and Remove Tank
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	YES	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Soil		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### How Discovered Description:

**Calwater Watershed Name:** Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)  
**DWR GW Subbasin Name:** Coastal Plain Of Orange County (8-001)  
**Disadvantaged Community:**  
**Site History:**

#### Regulatory Activity

**Action Type:** ENFORCEMENT  
**Date :** 1998-05-19 00:00:00  
**Action:** LOP Case Closure Summary to RB

**Action Type:** Other  
**Date :** 1997-05-09 00:00:00  
**Action:** Leak Discovery

**Action Type:** Other  
**Date :** 1997-05-09 00:00:00  
**Action:** Leak Reported

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 Main Street, Suite 500
<b>Contact Name:</b>	MIGUEL OVIEDO	<b>Email:</b>	miguel.oviedo@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9517823238
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

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

#### Status History

**Status:** Completed - Case Closed  
**Status Date:** 1998-06-03 00:00:00

**Status:** Open - Case Begin Date  
**Status Date:** 1997-05-09 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	CHEVRON	<b>Address:</b>	22942 RIDGE ROUTE
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	15981
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	D
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR, IND, PROC		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902054">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902054</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 6/3/1998		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902054&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902054&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	SOIL		
<b>User Defined Beneficial Use:</b>	GW - MUNICIPAL AND DOMESTIC SUPPLY		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>DWR GW Sub Basin:</b>	Coastal Plain Of Orange County (8-001)
<b>Calwater Watershed Name:</b>	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
<b>Post Closure Site Management:</b>	
<b>Future Land Use:</b>	
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 97UT013 CASEWORKER: KEVIN LAMBERT CASEWORKER: JAMES STROZIER SANTA ANA RWQCB (REGION 8) - CASE #: 083003004T CASEWORKER: MIGUEL OVIEDO

**Site History:**

No site history available

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	6/3/1998

<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	5/9/1997

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

<b>Action Type:</b>	EXCAVATION	<b>Begin Date:</b>	1/1/1965
<b>Phase:</b>		<b>End Date:</b>	1/1/1965
<b>Contaminant Mass Removed:</b>			
<b>Description:</b>			

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	5/19/1998
<b>Received Issue Date:</b>	5/19/1998
<b>Action:</b>	LOP Case Closure Summary to RB
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902054&amp;enforcement_id=6161788&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902054&amp;enforcement_id=6161788&amp;template=ENFORCEMENT</a>

<b>Action Type:</b>	Leak Action
<b>Action Date:</b>	5/9/1997
<b>Received Issue Date:</b>	
<b>Action:</b>	Leak Reported
<b>Doc Link:</b>	

<b>Action Type:</b>	Leak Action
<b>Action Date:</b>	5/9/1997
<b>Received Issue Date:</b>	
<b>Action:</b>	Leak Discovery
<b>Doc Link:</b>	

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	5/19/1998	<b>Submitted By:</b>	PAMELA YBARRA (REGULATOR)
<b>Type:</b>	LOP CASE CLOSURE SUMMARY TO RB	<b>Submitted:</b>	
<b>Title:</b>	UNKNOWN		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902054&amp;enforcement_id=6161788">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902054&amp;enforcement_id=6161788</a>		

<a href="#">36</a>	1 of 2	NNW	0.45 / 2,391.12	369.35 / -31	CHEVRON 22942 RIDGE ROUTE LAKE FOREST CA 92630	ORANGE LOP
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<b>Record ID:</b>	RO0001283	<b>Case Closed Date:</b>	6/3/1998
<b>Case ID:</b>	97UT013	<b>Type of Closure:</b>	Closure certification issued

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Case Type:</b> S <b>Case Type Desc:</b> Soil only affected <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded						
<a href="#">36</a>	2 of 2	NNW	0.45 / 2,391.12	369.35 / -31	CHEVRON #9-0884 22942 RIDGE ROUTE DR LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b> RO0003116 <b>Case ID:</b> 02UT028 <b>Case Type:</b> O <b>Case Type Desc:</b> Other groundwater affected (uses other than drinking water) <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded <b>Case Closed Date:</b> 1/15/2015 <b>Type of Closure:</b> Closure certification issued						
<a href="#">37</a>	1 of 3	SSW	0.46 / 2,440.52	375.17 / -25	7-Eleven 33626 23842 EL TORO RD LAKE FOREST CA 92630	DELISTED HAZ
<b>Siteid:</b> 87740 <b>Latitude:</b> 33.615929 <b>Longitude:</b> -117.705582 <b>Original Source:</b> CHAZ <b>Record Date:</b> 20-OCT-2017						
<a href="#">37</a>	2 of 3	SSW	0.46 / 2,440.52	375.17 / -25	SHELL OIL 23842 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
<b>Record ID:</b> RO0001822 <b>Case ID:</b> 99UT030 <b>Case Type:</b> O <b>Case Type Desc:</b> Other groundwater affected (uses other than drinking water) <b>Released Substance:</b> Gasoline-Automotive (motor gasoline and additives), leaded & unleaded <b>Case Closed Date:</b> 9/29/2005 <b>Type of Closure:</b> Closure certification issued						
<a href="#">37</a>	3 of 3	SSW	0.46 / 2,440.52	375.17 / -25	SHELL OIL 23842 EL TORO LAKE FOREST CA 92630	LUST
<b>Global ID:</b> T0605902278 <b>Status:</b> COMPLETED - CASE CLOSED <b>Status Date:</b> 2005-09-29 00:00:00 <b>Case Type:</b> LUST CLEANUP SITE <b>Date Source:</b> LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download <b>County:</b> ORANGE <b>Latitude:</b> 33.6158299 <b>Longitude:</b> -117.7059824						
<b>LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail</b>						
<b>RB Case Number:</b> <b>Local Case Number:</b> 99UT030 <b>Begin Date:</b> 1999-01-07 00:00:00 <b>Lead Agency:</b> ORANGE COUNTY LOP <b>Local Agency:</b> ORANGE COUNTY LOP <b>CUF Case:</b> YES <b>Potential Media of Concern:</b> Other Groundwater (uses other than drinking water) <b>How Discovered Description:</b> <b>Calwater Watershed Name:</b> San Juan - Laguna - Aliso (901.13) <b>DWR GW Subbasin Name:</b> <b>Disadvantaged Community:</b> <b>Site History:</b>						
<b>Potential COC:</b> Gasoline <b>How Discovered:</b> Tank Closure <b>Stop Method:</b> Close and Remove Tank <b>Stop Description:</b> <b>Case Worker:</b> KL <b>File Location:</b> Local Agency						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Regulatory Activity

**Action Type:** ENFORCEMENT  
**Date :** 2005-09-29 00:00:00  
**Action:** Closure/No Further Action Letter

**Action Type:** Other  
**Date :** 1999-03-17 00:00:00  
**Action:** Leak Reported

**Action Type:** REMEDIATION  
**Date :** 1999-01-15 00:00:00  
**Action:** Excavation

**Action Type:** Other  
**Date :** 1999-01-07 00:00:00  
**Action:** Leak Discovery

#### Regulatory Contacts

<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	1241 E DYER ROAD SUITE 120
<b>Contact Name:</b>	KEVIN LAMBERT	<b>Email:</b>	klambert@ochca.com
<b>City:</b>	SANTA ANA	<b>Phone Number:</b>	7144336261
<b>Organization Name:</b>	ORANGE COUNTY LOP		

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

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	3737 MAIN STREET, SUITE 500
<b>Contact Name:</b>	CARL BERNHARDT	<b>Email:</b>	carl.bernhardt@waterboards.ca.gov
<b>City:</b>	RIVERSIDE	<b>Phone Number:</b>	9517824495
<b>Organization Name:</b>	SANTA ANA RWQCB (REGION 8)		

#### Status History

**Status:** Completed - Case Closed  
**Status Date:** 2005-09-29 00:00:00

**Status:** Open - Site Assessment  
**Status Date:** 1999-12-08 00:00:00

**Status:** Open - Case Begin Date  
**Status Date:** 1999-01-07 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

<b>Site Facility Name:</b>	SHELL OIL	<b>Address:</b>	23842 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	18950
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	D
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY		
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902278">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902278</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 9/29/2005		
<b>Cleanup History Link:</b>	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902278&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902278&amp;tabname=regulatoryhistory</a>		
<b>Potential Media Of Concern:</b>	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)		
<b>User Defined Beneficial Use:</b>	GW - MUNICIPAL AND DOMESTIC SUPPLY		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**DWR GW Sub Basin:**  
**Calwater Watershed Name:** San Juan - Laguna - Aliso (901.13)  
**Post Closure Site Management:**  
**Future Land Use:**  
**Cleanup Oversight Agencies:** ORANGE COUNTY LOP (LEAD) - CASE #: 99UT030  
CASEWORKER: KEVIN LAMBERT  
CASEWORKER: JAMES STROZIER  
SAN DIEGO RWQCB (REGION 9)

**Site History:**

No site history available

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

**Status:** Completed - Case Closed  
**Date :** 9/29/2005

**Status:** Open - Site Assessment  
**Date :** 12/8/1999

**Status:** Open - Case Begin Date  
**Date :** 1/7/1999

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

**Action Type:** EXCAVATION  
**Phase:**  
**Contaminant Mass Removed:**  
**Description:**

**Begin Date:** 1/15/1999  
**End Date:** 9/9/9999

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

**Action Type:** Other Regulatory Actions  
**Action Date:** 9/29/2005  
**Received Issue Date:** 9/29/2005  
**Action:** Closure/No Further Action Letter  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0605902278&enforcement\\_id=5959327&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902278&enforcement_id=5959327&template=ENFORCEMENT)

**Action Type:** Leak Action  
**Action Date:** 3/17/1999  
**Received Issue Date:**  
**Action:** Leak Reported  
**Doc Link:**

**Action Type:** Cleanup Action  
**Action Date:** 1/15/1999  
**Received Issue Date:**  
**Action:** Excavation  
**Doc Link:**

**Action Type:** Leak Action  
**Action Date:** 1/7/1999  
**Received Issue Date:**  
**Action:** Leak Discovery  
**Doc Link:**

**LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

**Title:** GEO\_MAP  
**Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_map/6239072501/T0605902278.pdf](http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6239072501/T0605902278.pdf)  
**Size :** 48 KB  
**Submitted By:** DONNA NGO (CONTRACTOR)  
**Submitted:** 9/10/2002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Site Documents	<b>Size :</b>	139 KB
<b>Document Date:</b>	10/7/2005	<b>Submitted By:</b>	(REGULATOR)
<b>Type:</b>		<b>Submitted:</b>	
<b>Title:</b>	REMEDIAL ACTION COMPLETION CERTIFICATION		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/site_documents/3692265152/99UT030%2Epdf		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	6,046 KB
<b>Document Date:</b>	10/7/2005	<b>Submitted By:</b>	(REGULATOR)
<b>Type:</b>		<b>Submitted:</b>	
<b>Title:</b>	CASE CLOSURE SUMMARY		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/site_documents/6276798844/99UT030%2Epdf		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	
<b>Document Date:</b>	9/29/2005	<b>Submitted By:</b>	PAMELA YBARRA (REGULATOR)
<b>Type:</b>	CLOSURE/NO FURTHER ACTION LETTER	<b>Submitted:</b>	
<b>Title:</b>	REMEDIAL ACTION COMPLETION CERTIFICATION AND CASE CLOSURE SUMMARY		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605902278&enforcement_id=5959327		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	14 KB
<b>Document Date:</b>	6/3/2005	<b>Submitted By:</b>	DONNA NGO (CONTRACTOR)
<b>Type:</b>	REPORTS - CLOSURE RPT.	<b>Submitted:</b>	
<b>Title:</b>	ADDENDUM 2 TO EVALUATION OF DISSOLVED-PHASE PLUME CONDITIONS		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5721341788/T0605902278.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	8 KB
<b>Document Date:</b>	6/3/2005	<b>Submitted By:</b>	DONNA NGO (CONTRACTOR)
<b>Type:</b>	REPORTS - CLOSURE RPT.	<b>Submitted:</b>	
<b>Title:</b>	ADDENDUM TO EVALUATIO OF DISSOLVED-PHASE PLUME CONDITIONS		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3377821207/T0605902278.PDF		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	1,905 KB
<b>Document Date:</b>	6/3/2005	<b>Submitted By:</b>	DONNA NGO (CONTRACTOR)
<b>Type:</b>	REPORTS - CLOSURE RPT.	<b>Submitted:</b>	
<b>Title:</b>	EVALUATION OF DISSOLVED-PHASE PLUME CONDITIONS, STABILITY, LONGEVITY AND POTENTIAL BENEFICIAL USE GROUNDWATER IMPAIRMENT		
<b>Title Link:</b>	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1790982902/T0605902278.PDF		

<a href="#">38</a>	1 of 2	SSW	0.47 / 2,497.58	374.20 / -26	THE SHOPS AT LAKE FOREST SHOPPING CENTER 24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	DEED
<b>Global ID:</b>	SL208213876					
<b>Site Type:</b>	Cleanup Program Site					
<b>Status:</b>	Open - Remediation					
<b>Status Date:</b>	1/14/2013					
<b>County:</b>	Orange					
<b>Latitude:</b>	33.6155271839302					
<b>Longitude:</b>	-117.704966068267					
<b>Search URL:</b>	https://geotracker.waterboards.ca.gov/profile_report?global_id=SL208213876					

<a href="#">38</a>	2 of 2	SSW	0.47 / 2,497.58	374.20 / -26	THE SHOPS AT LAKE FOREST SHOPPING CENTER 24312-24422 ROCKFIELD BOULEVARD LAKE FOREST CA 92630	CLEANUP SITES
<b>Global ID:</b>	SL208213876					
<b>Status:</b>	OPEN - REMEDIATION					
<b>Status Date:</b>	2013-01-14 00:00:00					
<b>Site Code:</b>						
<b>Data Source:</b>	Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

**RB Case Number:** SL208213876  
**Local Case Number:**  
**Begin Date:** 1996-01-01 00:00:00  
**Stop Method:**  
**Lead Agency:** SANTA ANA RWQCB (REGION 8)  
**Local Agency:**  
**Potential COC:**  
**Potential Media of Concern:** Other Groundwater (uses other than drinking water)  
**How Discovered:** \* RPR  
**How Discovered Description:**  
**Stop Description:**  
**Calwater Watershed Name:** San Juan - Laguna - Aliso (901.13)  
**DWR GW Subbasin Name:**  
**Disadvantaged Community:**  
**Site History:**

The Site is in the Orange County Groundwater Management Zone of the Santa Ana River Watershed. The Site is a former dry cleaner located in a shopping center on the southeast corner of El Toro Road and Rockfield Boulevard in Lake Forest, approximately 700 feet to the north of Interstate 5 Freeway (the freeway). The shopping center was developed in the late 1960s and early 1970s. The dry cleaner location was operational since the completion of the shopping center until February 2007. The former dry cleaning facility is currently vacant. Several subsurface investigations were performed at the Site between 1991 and 1998. Chlorinated volatile organic compounds (VOCs), including tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethylene (DCE), 1,1-DCE, and 1,2-dichloroethane (DCA) have been detected as a result of this release. However, PCE was the primary contaminant that was encountered in the soil and groundwater at the Site. Groundwater monitoring wells MW-1A, MW-2, MW-3, and MW-6 and deep monitoring wells DMW-1, DMW-2, and DMW-3 were installed in the parking lot just to the south of the dry cleaner building. Two additional wells, MW-4 (shallow) and MW-103 (deep) were also installed on the southern edge of the shopping center prior to 1999. Additional monitoring wells MW-7 through MW-12 and MW-14 were installed in the vegetation covered areas next to the entrance and exit ramps for the freeway. One monitoring well, MW-13, was installed to the south of the freeway as a downgradient well to monitor the migration of the groundwater plume in that area. The highest PCE concentration detected in the groundwater was in monitoring well MW-1A at 40,000 micrograms per liter (µg/L) in February 1997. MW-1A is located approximately 20 feet to the south of the former dry cleaning building. From March 2000 to June 2004, ENVIRON operated a 2-PHASE extraction system at the Site to treat impacted soil and groundwater. A horizontal vapor extraction well was extended from the parking lot under the dry cleaning facility to improve soil vapor recovery in that area. Pneumatic fracturing of the soil around well SVE-1 was also applied, to enhance the recovery of soil gas from that well. Approximately 224 million cubic feet of vapor were treated, and 704 pounds of VOCs were removed. A pilot test for injection of sodium permanganate was conducted in August 2005, and a full-scale injection was conducted in February 2007. A total of 31,700 gallons of 10% sodium permanganate solution was injected into soil and groundwater at 32 injection points at on and off-site locations. Depth to groundwater in the onsite wells is in the range of 12.50 and 13.50 feet below ground surface (bgs). Groundwater appears to flow towards the west to southwest with an onsite gradient of 0.004 foot/foot. In April 2009, RB agreed to a reduction of groundwater monitoring frequency from quarterly to semi-annual. PCE concentration in some of the on-site and downgradient wells have shown considerable rebound from their values immediately after the implementation of ISCO. In August 2009 CPT and groundwater sampling was conducted in the off-site downgradient area located to the South of I-5 Freeway. Low concentrations of PCE was detected in the shallow groundwater. Sampling results from September 2009 groundwater monitoring showed higher concentrations of PCE in some of the on-site wells located immediately downgradient of the source area. This provided evidence that a) ISCO does not provide a long-term and permanent solution for the groundwater issue and b) residual concentrations of PCE in soil are still contributing to the groundwater contamination. Additional soil and soil gas sampling was conducted in March 2010 at the source area. A RAP was submitted in December 2011 and commented on in January 2012. Soil excavation in the source area was proposed in the RAP.

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity**

**Action Type:** ENFORCEMENT  
**Date :** 2019-01-25 00:00:00  
**Action:** Technical Correspondence / Assistance / Other  
  
**Action Type:** ENFORCEMENT  
**Date :** 2019-01-15 00:00:00  
**Action:** Technical Correspondence / Assistance / Other  
  
**Action Type:** RESPONSE  
**Date :** 2018-08-14 00:00:00  
**Action:** Correspondence  
  
**Action Type:** ENFORCEMENT  
**Date :** 2018-07-25 00:00:00  
**Action:** Technical Correspondence / Assistance / Other  
  
**Action Type:** ENFORCEMENT  
**Date :** 2018-06-20 00:00:00

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action:</b>		Letter - Notice				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-06-06 00:00:00				
<b>Action:</b>		Annual Estimation Letter				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-05-24 00:00:00				
<b>Action:</b>		Access Agreement				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-05-14 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-05-10 00:00:00				
<b>Action:</b>		Access Agreement				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-05-03 00:00:00				
<b>Action:</b>		Amendment to Order				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-05-01 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-04-19 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2018-03-01 00:00:00				
<b>Action:</b>		Electronic Reporting Submittal Due				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2018-01-11 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-12-20 00:00:00				
<b>Action:</b>		Response to Comments				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-12-07 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-11-30 00:00:00				
<b>Action:</b>		Well Installation Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-11-10 00:00:00				
<b>Action:</b>		Proposed Plan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-10-27 00:00:00				
<b>Action:</b>		Proposed Plan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2017-10-12 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-09-14 00:00:00				
<b>Action:</b>		Proposed Plan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2017-09-14 00:00:00				
<b>Action:</b>		Other Workplan				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2017-06-30 00:00:00 Correspondence				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2017-06-08 00:00:00 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2017-05-12 00:00:00 Letter - Notice				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2017-01-12 00:00:00 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2016-07-12 00:00:00 Letter - Notice				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2016-02-25 00:00:00 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2016-02-24 00:00:00 Well Installation Workplan				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-09-15 00:00:00 Closure/No Further Action Letter				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2015-07-15 00:00:00 Deed Restriction / Land Use Restriction / Covenant - #2015000378120				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2014-06-20 00:00:00 Waste Discharge Requirements - #R8-2013-0029-016				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2014-04-28 00:00:00 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2014-04-11 00:00:00 Other Report / Document				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2013-12-18 00:00:00 Corrective Action Plan / Remedial Action Plan - Addendum				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2013-11-06 00:00:00 Feasibility Study Report				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2013-10-03 00:00:00 Correspondence				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		ENFORCEMENT 2013-06-12 00:00:00 Technical Correspondence / Assistance / Other				
<b>Action Type:</b> <b>Date :</b> <b>Action:</b>		RESPONSE 2013-06-05 00:00:00 Correspondence				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2013-02-25 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-12-06 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-12-04 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-11-15 00:00:00				
<b>Action:</b>		Fact Sheets - Public Participation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-10-15 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-10-10 00:00:00				
<b>Action:</b>		CAP/RAP - Other Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-09-27 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-09-14 00:00:00				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-07-03 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-06-26 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-06-18 00:00:00				
<b>Action:</b>		Pilot Study / Treatability Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-05-07 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-04-10 00:00:00				
<b>Action:</b>		Meeting				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2012-02-29 00:00:00				
<b>Action:</b>		Pilot Study/ Treatability Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2012-01-10 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-12-09 00:00:00				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-10-26 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Date :</b>		2011-10-10 00:00:00				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-08-01 00:00:00				
<b>Action:</b>		Risk Assessment Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-07-06 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-06-23 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-06-01 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-05-24 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-05-20 00:00:00				
<b>Action:</b>		Correspondence				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-04-29 00:00:00				
<b>Action:</b>		Pilot Study/ Treatability Report				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-04-21 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-04-14 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-04-14 00:00:00				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2011-03-22 00:00:00				
<b>Action:</b>		Technical Memos				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-02-23 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2011-01-20 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-12-29 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-11-30 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-11-05 00:00:00				
<b>Action:</b>		Site Investigation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-11-04 00:00:00				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-10-15 00:00:00				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-10-01 00:00:00				
<b>Action:</b>		Pilot Study / Treatability Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-09-02 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-07-22 00:00:00				
<b>Action:</b>		Site Investigation Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-07-22 00:00:00				
<b>Action:</b>		Feasibility Study Report				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-05-12 00:00:00				
<b>Action:</b>		Technical Memos				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-04-15 00:00:00				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2010-03-31 00:00:00				
<b>Action:</b>		Site Investigation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2010-01-28 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-12-14 00:00:00				
<b>Action:</b>		Correspondence				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-11-12 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-10-15 00:00:00				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-09-15 00:00:00				
<b>Action:</b>		Site Investigation				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-06-18 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-05-01 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2009-04-15 00:00:00				
<b>Action:</b>		Monitoring Report - Other				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2009-04-01 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2008-12-24 00:00:00				
<b>Action:</b>		Other Report / Document				
<b>Action Type:</b>		RESPONSE				
<b>Date :</b>		2008-12-24 00:00:00				
<b>Action:</b>		Other Workplan				
<b>Action Type:</b>		ENFORCEMENT				
<b>Date :</b>		2008-10-14 00:00:00				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Action Type:</b>		Other				
<b>Date :</b>		1965-01-02 00:00:00				
<b>Action:</b>		Leak Reported				

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

<b>Status:</b>		Open - Remediation				
<b>Status Date:</b>		2013-01-14 00:00:00				
<b>Status:</b>		Open - Site Assessment				
<b>Status Date:</b>		2012-04-01 00:00:00				
<b>Status:</b>		Open - Assessment & Interim Remedial Action				
<b>Status Date:</b>		2009-06-18 00:00:00				
<b>Status:</b>		Open - Remediation				
<b>Status Date:</b>		2009-06-18 00:00:00				
<b>Status:</b>		Open - Case Begin Date				
<b>Status Date:</b>		1996-01-01 00:00:00				
<b>Status:</b>		Open				
<b>Status Date:</b>		1996-01-01 00:00:00				

**Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

<b>Contact Type:</b>		Regional Board Caseworker	<b>Address:</b>	3737 Main St, Suite 500
<b>Contact Name:</b>		Mona Behrooz	<b>City:</b>	RIVERSIDE
<b>Phone Number:</b>		9517823237		
<b>Organization Name:</b>		SANTA ANA RWQCB (REGION 8)		
<b>Email:</b>		mehrnoosh.behrooz@waterboards.ca.gov		

**Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Project Status:</b>		<b>WDR Place Type:</b>		
<b>CUF Claim:</b>		<b>WDR File:</b>		
<b>CUF Priority Assign:</b>		<b>WDR Order:</b>		
<b>CUF Amount Paid:</b>		<b>File Location:</b>		
<b>User Defined Beneficial Use:</b>		REGIONAL BOARD		
<b>Designated Beneficial Use:</b>		MUN, AGR		
<b>Project Oversight Agencies:</b>				
<b>Report Link:</b>		http://geotracker.waterboards.ca.gov/profile_report?global_id=SL208213876		
<b>Cleanup Status Detail:</b>		OPEN - REMEDIATION AS OF 1/14/2013		
<b>Cleanup History Link:</b>		http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL208213876&tabname=regulatoryhistory		
<b>Potential COC:</b>		VOLATILE ORGANIC COMPOUNDS		
<b>Potential Media Of Concern:</b>		OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)		
<b>DWR GW Sub Basin:</b>				
<b>Calwater Watershed Name:</b>		San Juan - Laguna - Aliso (901.13)		
<b>Post Closure Site Management:</b>		ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL		
		DAY CARE CENTER PROHIBITED		
		ELDER CARE CENTER PROHIBITED		
		HOSPITAL USE PROHIBITED		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					LAND USE COVENANT NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL NOTIFY PRIOR TO DEVELOPMENT NOTIFY PRIOR TO SUBSURFACE WORK PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED RAISING OF FOOD PROHIBITED RESIDENCE USE PROHIBITED <b>Future Land Use:</b> COMMERCIAL INDUSTRIAL <b>Cleanup Oversight Agencies:</b> SANTA ANA RWQCB (REGION 8) (LEAD) - CASE #: SL208213876 CASEWORKER: Mona Behrooz <b>Site History:</b>	

The Site is in the Orange County Groundwater Management Zone of the Santa Ana River Watershed. The Site is a former dry cleaner located in a shopping center on the southeast corner of El Toro Road and Rockfield Boulevard in Lake Forest, approximately 700 feet to the north of Interstate 5 Freeway (the freeway). The shopping center was developed in the late 1960s and early 1970s. The dry cleaner location was operational since the completion of the shopping center until February 2007. The former dry cleaning facility is currently vacant.

Several subsurface investigations were performed at the Site between 1991 and 1998. Chlorinated volatile organic compounds (VOCs), including tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethylene (DCE), 1,1-DCE, and 1,2-dichloroethane (DCA) have been detected as a result of this release. However, PCE was the primary contaminant that was encountered in the soil and groundwater at the Site. Groundwater monitoring wells MW-1A, MW-2, MW-3, and MW-6 and deep monitoring wells DMW-1, DMW-2, and DMW-3 were installed in the parking lot just to the south of the dry cleaner building. Two additional wells, MW-4 (shallow) and MW-103 (deep) were also installed on the southern edge of the shopping center prior to 1999. Additional monitoring wells MW-7 through MW-12 and MW-14 were installed in the vegetation covered areas next to the entrance and exit ramps for the freeway. One monitoring well, MW-13, was installed to the south of the freeway as a downgradient well to monitor the migration of the groundwater plume in that area.

The highest PCE concentration detected in the groundwater was in monitoring well MW-1A at 40,000 micrograms per liter (µg/L) in February 1997. MW-1A is located approximately 20 feet to the south of the former dry cleaning building. From March 2000 to June 2004, ENVIRON operated a 2-PHASE extraction system at the Site to treat impacted soil and groundwater. A horizontal vapor extraction well was extended from the parking lot under the dry cleaning facility to improve soil vapor recovery in that area. Pneumatic fracturing of the soil around well SVE-1 was also applied, to enhance the recovery of soil gas from that well. Approximately 224 million cubic feet of vapor were treated, and 704 pounds of VOCs were removed.

A pilot test for injection of sodium permanganate was conducted in August 2005, and a full-scale injection was conducted in February 2007. A total of 31,700 gallons of 10% sodium permanganate solution was injected into soil and groundwater at 32 injection points at on and off-site locations. Depth to groundwater in the onsite wells is in the range of 12.50 and 13.50 feet below ground surface (bgs). Groundwater appears to flow towards the west to southwest with an onsite gradient of 0.004 foot/foot. In April 2009, RB agreed to a reduction of groundwater monitoring frequency from quarterly to semi-annual. PCE concentration in some of the on-site and downgradient wells have shown considerable rebound from their values immediately after the implementation of ISCO. In August 2009 CPT and groundwater sampling was conducted in the off-site downgradient area located to the South of I-5 Freeway. Low concentrations of PCE were detected in the shallow groundwater. Sampling results from September 2009 groundwater monitoring showed higher concentrations of PCE in some of the on-site wells located immediately downgradient of the source area. This provided evidence that a) ISCO does not provide a long-term and permanent solution for the groundwater issue and b) residual concentrations of PCE in soil are still contributing to the groundwater contamination. Additional soil and soil gas sampling was conducted in March 2010 at the source area.

A RAP was submitted in December 2011 and commented on in January 2012. Soil excavation in the source area was proposed in the RAP.

#### Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

**Action Type:** Other Regulatory Actions  
**Action Date:** 1/15/2019  
**Received Issue Date:** 1/15/2019  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6382201&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6382201&template=ENFORCEMENT)

#### **Title Description Comments:**

RE Remedial Action Work Plan Addendum for Off-Site Groundwater Remediation

**Action Type:** Response Requested - Other  
**Action Date:** 8/14/2018  
**Received Issue Date:** 8/14/2018  
**Action:** Correspondence  
**Doc Link:**  
**Title Description Comments:**

BH Revised CSM Submittal Date - Rev.2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/25/2018				
<b>Received Issue Date:</b>		7/25/2018				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6364857&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
Soil Confirmation Sampling at the Proposed Excavation Area						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		6/20/2018				
<b>Received Issue Date:</b>		6/20/2018				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6361765&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
2 nd Access Request						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/6/2018				
<b>Received Issue Date:</b>		6/6/2018				
<b>Action:</b>		Annual Estimation Letter				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6360325&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
The Shop at Lake Forest						
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		5/24/2018				
<b>Received Issue Date:</b>		5/24/2018				
<b>Action:</b>		Access Agreement				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6361173&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
Access Request						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/14/2018				
<b>Received Issue Date:</b>		5/14/2018				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>						
RE Work Plan for Additional Investigation-Goldenwest 2						
<b>Action Type:</b>		Agreements				
<b>Action Date:</b>		5/10/2018				
<b>Received Issue Date:</b>		5/10/2018				
<b>Action:</b>		Access Agreement				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6357563&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
The Second Access Request Letter						
<b>Action Type:</b>		Enforcement/Orders				
<b>Action Date:</b>		5/3/2018				
<b>Received Issue Date:</b>		5/3/2018				
<b>Action:</b>		Amendment to Order				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6356809&template=ENFORCEMENT				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Title Description Comments:**

Amended WDR

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/1/2018  
**Received Issue Date:** 5/1/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6356813&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6356813&template=ENFORCEMENT)

**Title Description Comments:**

CONCURRENCE WITH THE PROPOSED EXCAVATION

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/1/2018  
**Received Issue Date:** 5/1/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:**

**Title Description Comments:**

The Former Shops at Lake Forest

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/19/2018  
**Received Issue Date:** 4/19/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6356812&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6356812&template=ENFORCEMENT)

**Title Description Comments:**

REQUEST FOR ACCESS TO CONDUCT GROUNDWATER INVESTIGATION

**Action Type:** Response Requested - Other  
**Action Date:** 3/1/2018  
**Received Issue Date:** 3/1/2018  
**Action:** Electronic Reporting Submittal Due  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5958598](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5958598)

**Title Description Comments:**

2018-03-01 WDR Application

**Action Type:** Other Regulatory Actions  
**Action Date:** 1/11/2018  
**Received Issue Date:** 1/11/2018  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6345513&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6345513&template=ENFORCEMENT)

**Title Description Comments:**

RE Revised Pre-Design Work Plan for Full-Scale Groundwater Remedy

**Action Type:** Response Requested - Other  
**Action Date:** 12/20/2017  
**Received Issue Date:** 12/20/2017  
**Action:** Response to Comments  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5951863](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5951863)

**Title Description Comments:**

Response to RWQCB Comments Regarding the Revised Pre-Design Work Plan for Full-Scale Groundwater Remedy, Dated December 7, 2017

**Action Type:** Other Regulatory Actions  
**Action Date:** 12/7/2017  
**Received Issue Date:** 12/7/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342770&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342770&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Well Installation Technical Memorandum						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		12/7/2017				
<b>Received Issue Date:</b>		12/7/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342747&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342747&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Revised Pre-Design Work Plan for Full-Scale Groundwater Remedy						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		11/30/2017				
<b>Received Issue Date:</b>		11/30/2017				
<b>Action:</b>		Well Installation Workplan				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>						
SENTRY-METALS-WELL-INSTALL-MEMO						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		11/10/2017				
<b>Received Issue Date:</b>		11/10/2017				
<b>Action:</b>		Proposed Plan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5948854">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5948854</a>				
<b>Title Description Comments:</b>						
Revised Pre-Design Work Plan_111017						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		10/27/2017				
<b>Received Issue Date:</b>		10/27/2017				
<b>Action:</b>		Proposed Plan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5948853">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5948853</a>				
<b>Title Description Comments:</b>						
Response to RWQCB Comments Regarding the Pre-Design Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/12/2017				
<b>Received Issue Date:</b>		10/12/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6338716&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6338716&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
RE Pre-Design Work Plan for Full-Scale Groundwater Remedy						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		9/14/2017				
<b>Received Issue Date:</b>		9/14/2017				
<b>Action:</b>		Other Workplan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5946033">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5946033</a>				
<b>Title Description Comments:</b>						
Pre-Design Work Plan for Full-Scale Groundwater Remedy						
<b>Action Type:</b>		Response Requested - Workplans				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Action Date:</b>		9/14/2017				
<b>Received Issue Date:</b>		9/14/2017				
<b>Action:</b>		Proposed Plan				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>						
Pre-Design Work Plan_091417						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		6/30/2017				
<b>Received Issue Date:</b>		6/30/2017				
<b>Action:</b>		Correspondence				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5945222				
<b>Title Description Comments:</b>						
Responses to Water Board Comments June 30 2017						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/8/2017				
<b>Received Issue Date:</b>		6/8/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6322444&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
The_Shops_at_the_Lake_Forest_RE_Pilot_Test						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		5/12/2017				
<b>Received Issue Date:</b>		5/12/2017				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6319789&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
Annual Cost Estimate						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/12/2017				
<b>Received Issue Date:</b>		1/12/2017				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6308394&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
Request for Reports						
<b>Action Type:</b>		Notices				
<b>Action Date:</b>		7/12/2016				
<b>Received Issue Date:</b>		7/12/2016				
<b>Action:</b>		Letter - Notice				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6291892&template=ENFORCEMENT				
<b>Title Description Comments:</b>						
Notice of Change of Case Manager						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/25/2016				
<b>Received Issue Date:</b>		2/25/2016				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6277125&template=ENFORCEMENT				
<b>Title Description Comments:</b>						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Comments on Work Plan for Installation of Off-Site Wells

**Action Type:** Response Requested - Workplans  
**Action Date:** 2/24/2016  
**Received Issue Date:** 2/24/2016  
**Action:** Well Installation Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5881131](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5881131)  
**Title Description Comments:**

Work Plan for the Installation of Off-Site Groundwater Monitoring Wells

**Action Type:** Other Regulatory Actions  
**Action Date:** 9/15/2015  
**Received Issue Date:** 9/15/2015  
**Action:** Closure/No Further Action Letter  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6260531&temptable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6260531&temptable=ENFORCEMENT)  
**Title Description Comments:**

Conditional Determination of No Further Action for Soil

**Action Type:** Other Regulatory Actions  
**Action Date:** 7/15/2015  
**Received Issue Date:** 7/15/2015  
**Action:** Deed Restriction / Land Use Restriction / Covenant - #2015000378120  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6255157&temptable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6255157&temptable=ENFORCEMENT)  
**Title Description Comments:**

Land Use Covenant

**Action Type:** Enforcement/Orders  
**Action Date:** 6/20/2014  
**Received Issue Date:** 6/20/2014  
**Action:** Waste Discharge Requirements - #R8-2013-0029-016  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6210816&temptable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6210816&temptable=ENFORCEMENT)  
**Title Description Comments:**

Discharge Authorization and Monitoring and Reporting Program No. R8-2013-0029-016

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/28/2014  
**Received Issue Date:** 4/28/2014  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6201213&temptable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6201213&temptable=ENFORCEMENT)  
**Title Description Comments:**

Comments on the ROWD Application Package

**Action Type:** Response Requested - Other  
**Action Date:** 4/11/2014  
**Received Issue Date:** 4/11/2014  
**Action:** Other Report / Document  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5803155](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5803155)  
**Title Description Comments:**

Waste Discharge Requirement (WDR) Permit Application

**Action Type:** Response Requested - Workplans  
**Action Date:** 12/18/2013  
**Received Issue Date:** 12/18/2013  
**Action:** Corrective Action Plan / Remedial Action Plan - Addendum

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803149">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803149</a>				
<b>Title Description Comments:</b>						
Second Addendum to Revised Remedial Action Work Plan						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		11/6/2013				
<b>Received Issue Date:</b>		11/6/2013				
<b>Action:</b>		Feasibility Study Report				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803150">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803150</a>				
<b>Title Description Comments:</b>						
Amended Feasibility Study						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		10/3/2013				
<b>Received Issue Date:</b>		10/3/2013				
<b>Action:</b>		Correspondence				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803148">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803148</a>				
<b>Title Description Comments:</b>						
Joint Sampling Requirement						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/12/2013				
<b>Received Issue Date:</b>		6/12/2013				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200872&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200872&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Change of Groundwater Monitoring Frequency						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		6/12/2013				
<b>Received Issue Date:</b>		6/12/2013				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200873&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200873&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the On-Site Residual Source Removal Report						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		6/5/2013				
<b>Received Issue Date:</b>		6/5/2013				
<b>Action:</b>		Correspondence				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803147">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803147</a>				
<b>Title Description Comments:</b>						
Pilot test of Enhanced Reductive Dechlorination for Groundwater						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		6/5/2013				
<b>Received Issue Date:</b>		6/5/2013				
<b>Action:</b>		Correspondence				
<b>Doc Link:</b>						
<b>Title Description Comments:</b>						
Pilot test of Enhanced Reductive Dechlorination for Groundwater						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/25/2013				
<b>Received Issue Date:</b>		2/25/2013				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200877&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200877&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
SVE-1 Abandonment						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		12/6/2012				
<b>Received Issue Date:</b>		12/6/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200867&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6200867&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on th Contingency Plan						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		12/4/2012				
<b>Received Issue Date:</b>		12/4/2012				
<b>Action:</b>		Other Workplan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803141">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803141</a>				
<b>Title Description Comments:</b>						
Contingency Plan to Continue the Migration Pattern for the VOCs in the Downgradient Area of MW-13						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		11/15/2012				
<b>Received Issue Date:</b>		11/15/2012				
<b>Action:</b>		Fact Sheets - Public Participation				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803140">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5803140</a>				
<b>Title Description Comments:</b>						
Fact Sheet - Environmental Cleanup Program Planned to Begin January 2013						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		10/15/2012				
<b>Received Issue Date:</b>		10/15/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6142238&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6142238&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Approval of the Remedial Action Work Plan						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		10/10/2012				
<b>Received Issue Date:</b>		10/10/2012				
<b>Action:</b>		CAP/RAP - Other Report				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5756961">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5756961</a>				
<b>Title Description Comments:</b>						
Addendum to revised Remedial Action Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/27/2012				
<b>Received Issue Date:</b>		9/27/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6139320&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6139320&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Revised Remedial Action Work Plan						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		9/14/2012				
<b>Received Issue Date:</b>		9/14/2012				
<b>Action:</b>		Corrective Action Plan / Remedial Action Plan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5753834">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5753834</a>				
<b>Title Description Comments:</b>						
Revised Remedial Action Work Plan						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		7/3/2012				
<b>Received Issue Date:</b>		7/3/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6139324&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6139324&amp;temptable=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on Work Plan for Off-Site Pilot Test of Enhanced Reductive Dechlorination						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		6/18/2012				
<b>Received Issue Date:</b>		6/18/2012				
<b>Action:</b>		Pilot Study / Treatability Workplan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5753835">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5753835</a>				
<b>Title Description Comments:</b>						
Work Plan for Off-Site Pilot Test of Enhanced Reductive Dechlorination						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		5/7/2012				
<b>Received Issue Date:</b>		5/7/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6121151&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6121151&amp;temptable=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Report of Off-Site Bio-Trap Extended Field Study						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		4/10/2012				
<b>Received Issue Date:</b>		4/10/2012				
<b>Action:</b>		Meeting				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6121154&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6121154&amp;temptable=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Summary of the Meeting for the Shops at Lake Forest						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		2/29/2012				
<b>Received Issue Date:</b>		2/29/2012				
<b>Action:</b>		Pilot Study/ Treatability Report				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5736574">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5736574</a>				
<b>Title Description Comments:</b>						
Report of Off-Site Bio-Trap Extended Field Study						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/10/2012				
<b>Received Issue Date:</b>		1/10/2012				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6119120&amp;temptable=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6119120&amp;temptable=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Comments on Remedial Action Work Plan

**Action Type:** Response Requested - Workplans  
**Action Date:** 12/9/2011  
**Received Issue Date:** 12/9/2011  
**Action:** Corrective Action Plan / Remedial Action Plan  
**Doc Link:**  
**Title Description Comments:**

Remedial Action Work Plan

**Action Type:** Response Requested - Workplans  
**Action Date:** 12/9/2011  
**Received Issue Date:** 12/9/2011  
**Action:** Corrective Action Plan / Remedial Action Plan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5735511](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5735511)  
**Title Description Comments:**

Remedial Action Work Plan

**Action Type:** Other Regulatory Actions  
**Action Date:** 10/26/2011  
**Received Issue Date:** 10/26/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6105775&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6105775&template=ENFORCEMENT)  
**Title Description Comments:**

Comments on the Vapor Intrusion and Human Health Risk Evaluation Report

**Action Type:** Response Requested - Reports  
**Action Date:** 10/10/2011  
**Received Issue Date:** 10/10/2011  
**Action:** Monitoring Report - Semi-Annually  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5726821](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5726821)  
**Title Description Comments:**

2011 Second Semi-Annual Groundwater Monitoring Report

**Action Type:** Response Requested - Reports  
**Action Date:** 8/1/2011  
**Received Issue Date:** 8/1/2011  
**Action:** Risk Assessment Report  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5726820](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5726820)  
**Title Description Comments:**

Vapor Intrusion and Human Health Risk Evaluation

**Action Type:** Other Regulatory Actions  
**Action Date:** 7/6/2011  
**Received Issue Date:** 7/6/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6097004&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6097004&template=ENFORCEMENT)  
**Title Description Comments:**

Comments on Work Plan for Additional Off-Site Microbial Sufficiency Field Study

**Action Type:** Response Requested - Workplans  
**Action Date:** 6/23/2011  
**Received Issue Date:** 6/23/2011  
**Action:** Other Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5720537](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5720537)  
**Title Description Comments:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Work Plan for Additional Off-Site Microbial Sufficiency Field Study

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/1/2011  
**Received Issue Date:** 6/1/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6097002&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6097002&template=ENFORCEMENT)

**Title Description Comments:**

Comments on the Report of Indoor Air, Soil Vapor, and Soil Sampling at Adjacent Units

**Action Type:** Other Regulatory Actions  
**Action Date:** 5/24/2011  
**Received Issue Date:** 5/24/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6096999&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6096999&template=ENFORCEMENT)

**Title Description Comments:**

Comments on the Report of Off-Site Bench-Scale Microbial Sufficiency Study

**Action Type:** Response Requested - Other  
**Action Date:** 5/20/2011  
**Received Issue Date:** 5/20/2011  
**Action:** Correspondence  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5720539](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5720539)

**Title Description Comments:**

Response to Comments on the Revised Work Plan for On-Site Residual Source Removal

**Action Type:** Response Requested - Reports  
**Action Date:** 4/29/2011  
**Received Issue Date:** 4/29/2011  
**Action:** Pilot Study/ Treatability Report  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5720538](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5720538)

**Title Description Comments:**

Report of Off-Site Bench-Scale Microbial Sufficiency Study

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/21/2011  
**Received Issue Date:** 4/21/2011  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6096998&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6096998&template=ENFORCEMENT)

**Title Description Comments:**

Comments on the Revised Work Plan for On-Site Residual Source Removal

**Action Type:** Response Requested - Workplans  
**Action Date:** 4/14/2011  
**Received Issue Date:** 4/14/2011  
**Action:** Other Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5720540](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5720540)

**Title Description Comments:**

Revised Work Plan for On-Site Residual Source Removal

**Action Type:** Response Requested - Reports  
**Action Date:** 4/14/2011  
**Received Issue Date:** 4/14/2011  
**Action:** Monitoring Report - Semi-Annually



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5720542">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5720542</a>				
<b>Title Description Comments:</b>						
March 2011 Groundwater Monitoring Report						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		3/22/2011				
<b>Received Issue Date:</b>		3/22/2011				
<b>Action:</b>		Technical Memos				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5720541">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5720541</a>				
<b>Title Description Comments:</b>						
Report of Indoor Air, Soil, Soil Vapor, ad Soil Sampling at Adjacent Tenant Units						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		2/23/2011				
<b>Received Issue Date:</b>		2/23/2011				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6084131&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6084131&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Work Plan for On-Site Residual Source Removal						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/20/2011				
<b>Received Issue Date:</b>		1/20/2011				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6075144&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6075144&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Work Plan for Indoor Air, Soil Vapor, and Soil Sampling at Adjacent Tenant Units						
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		12/29/2010				
<b>Received Issue Date:</b>		12/29/2010				
<b>Action:</b>		Other Workplan				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5703709">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5703709</a>				
<b>Title Description Comments:</b>						
Work Plan for Indoor Air, Soil vapor, and Soil Sampling at Adjacent Tenant Units						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/30/2010				
<b>Received Issue Date:</b>		11/30/2010				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6075141&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6075141&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Report of October 2010 Additional On-Site Investigation						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		11/5/2010				
<b>Received Issue Date:</b>		11/5/2010				
<b>Action:</b>		Site Investigation				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5703710">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5703710</a>				
<b>Title Description Comments:</b>						
Report of October 2010 Additional On-Site Investigation						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/4/2010				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Received Issue Date:</b>		11/4/2010				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6069249&template=ENFORCEMENT				
<b>Title Description Comments:</b>		Comments on Work Plan for Off-Site Bench-Scale Microbial Sufficiency Study				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		10/15/2010				
<b>Received Issue Date:</b>		10/15/2010				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5703711				
<b>Title Description Comments:</b>		August 2010 Groundwater Monitoring Report				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		10/1/2010				
<b>Received Issue Date:</b>		10/1/2010				
<b>Action:</b>		Pilot Study / Treatability Workplan				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5699400				
<b>Title Description Comments:</b>		Work Plan for Off-Site Bench-Scale Microbial Sufficiency Study				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/2/2010				
<b>Received Issue Date:</b>		9/2/2010				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6062897&template=ENFORCEMENT				
<b>Title Description Comments:</b>		Comments on Feasibility Study for Off-Site Area				
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		9/2/2010				
<b>Received Issue Date:</b>		9/2/2010				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6062896&template=ENFORCEMENT				
<b>Title Description Comments:</b>		Comments on Work pLan for Additional On-Site Soil and Soil Vapor Sampling				
<b>Action Type:</b>		Response Requested - Workplans				
<b>Action Date:</b>		7/22/2010				
<b>Received Issue Date:</b>		7/22/2010				
<b>Action:</b>		Site Investigation Workplan				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5699405				
<b>Title Description Comments:</b>		Work Plan for Additional On-Site Soil and Soil Vapor Sampling				
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		7/22/2010				
<b>Received Issue Date:</b>		7/22/2010				
<b>Action:</b>		Feasibility Study Report				
<b>Doc Link:</b>		http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5699407				
<b>Title Description Comments:</b>		Feasibility Study for Off-Site Area				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		5/12/2010				
<b>Received Issue Date:</b>		5/12/2010				
<b>Action:</b>		Technical Memos				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667741">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667741</a>				
<b>Title Description Comments:</b>						
Focused Feasibility Study and Risk Based Target Concentration for Off-Site Groundwater Remediation - Reviewed the RBTC. Requested a stand alone FS document.						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		4/15/2010				
<b>Received Issue Date:</b>		4/15/2010				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667742">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667742</a>				
<b>Title Description Comments:</b>						
March 2010 Groundwater Monitoring Report - Reviewed the report.						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		3/31/2010				
<b>Received Issue Date:</b>		3/31/2010				
<b>Action:</b>		Site Investigation				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667743">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5667743</a>				
<b>Title Description Comments:</b>						
Report of March 2010 Additional On-Site Investigation - Reviewed the report.						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		1/28/2010				
<b>Received Issue Date:</b>		1/28/2010				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045889&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045889&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on Environ's December 14, 2009 Submittal						
<b>Action Type:</b>		Response Requested - Other				
<b>Action Date:</b>		12/14/2009				
<b>Received Issue Date:</b>		12/14/2009				
<b>Action:</b>		Correspondence				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5663540">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5663540</a>				
<b>Title Description Comments:</b>						
Responses to Comments on the Report for Additional Investigation - Reviewed the response.						
<b>Action Type:</b>		Other Regulatory Actions				
<b>Action Date:</b>		11/12/2009				
<b>Received Issue Date:</b>		11/12/2009				
<b>Action:</b>		Technical Correspondence / Assistance / Other				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045887&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045887&amp;template=ENFORCEMENT</a>				
<b>Title Description Comments:</b>						
Comments on the Report for Additional Off-Site Investigation and September 2009 Groundwater Monitoring Report						
<b>Action Type:</b>		Response Requested - Reports				
<b>Action Date:</b>		10/15/2009				
<b>Received Issue Date:</b>		10/15/2009				
<b>Action:</b>		Monitoring Report - Semi-Annually				
<b>Doc Link:</b>		<a href="http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5663536">http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&amp;doc_id=5663536</a>				
<b>Title Description Comments:</b>						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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September 2009 Groundwater Monitoring Report - Reviewed the report.

**Action Type:** Response Requested - Reports  
**Action Date:** 9/15/2009  
**Received Issue Date:** 9/15/2009  
**Action:** Site Investigation  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5651165](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5651165)  
**Title Description Comments:**

Report of Additional Off-Site Investigation 2009 - Reviewed the report and responded through e-mail requesting iso-concentraion contours for PCE.

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/18/2009  
**Received Issue Date:** 6/18/2009  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6027437&tempable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6027437&tempable=ENFORCEMENT)  
**Title Description Comments:**

Approval of the Work Plan for Additional Off-Site Investigation

**Action Type:** Response Requested - Workplans  
**Action Date:** 5/1/2009  
**Received Issue Date:** 5/1/2009  
**Action:** Other Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5648522](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5648522)  
**Title Description Comments:**

Work Plan for Additional Off-Site Investigation - Reviewed the work plan.

**Action Type:** Response Requested - Reports  
**Action Date:** 4/15/2009  
**Received Issue Date:** 4/15/2009  
**Action:** Monitoring Report - Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5636631](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5636631)  
**Title Description Comments:**

March 2009 Groundwater Monitoring Report - Reviewed the report and discussed with the consultant.

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/1/2009  
**Received Issue Date:** 4/1/2009  
**Action:** Technical Correspondence / Assistance / Other  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6009352&tempable=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6009352&tempable=ENFORCEMENT)  
**Title Description Comments:**

Comments on the Responses to Comments for the March and June 2008 Groundwater Monitoring Report and Work Plan for Confirmation Soil Vapor Sampling

**Action Type:** Response Requested - Workplans  
**Action Date:** 12/24/2008  
**Received Issue Date:** 12/24/2008  
**Action:** Other Workplan  
**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5627546](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5627546)  
**Title Description Comments:**

March and June Groundwater Monitoring Report and Work Plan for Confirmation Soil Vapor Sampling - Reviewed the document and discussed with the consultant.

**Action Type:** Response Requested - Other  
**Action Date:** 12/24/2008  
**Received Issue Date:** 12/24/2008  
**Action:** Other Report / Document

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents\\_all?global\\_id=SL208213876&doc\\_id=5627547](http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL208213876&doc_id=5627547)

**Title Description Comments:**

Responses to Comments for the March and June 2008 Groundwater Monitoring Report and Work Plan for Confirmation Soil Sampling - Reviewed the document and discussed with the consultant.

**Action Type:** Other Regulatory Actions

**Action Date:** 10/14/2008

**Received Issue Date:** 10/14/2008

**Action:** Technical Correspondence / Assistance / Other

**Doc Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=5997738&template=ENFORCEMENT](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=5997738&template=ENFORCEMENT)

**Title Description Comments:**

Comments on the Work Plan for Confirmation Soil Vapor Sampling

**Action Type:** Leak Action

**Action Date:** 1/2/1965

**Received Issue Date:**

**Action:** Leak Reported

**Doc Link:**

**Title Description Comments:**

**Cleanup Program Sites from GeoTracker Search - Deed Restrictions(as of Jan 18, 2019)**

**Date Recorded:** 7/15/2015

**Site Management Requirements:** DAY CARE CENTER PROHIBITED, ELDER CARE CENTER PROHIBITED, HOSPITAL USE PROHIBITED, LAND USE COVENANT, NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL, NOTIFY PRIOR TO SUBSURFACE WORK, RESIDENCE USE PROHIBITED

**Covenant Doc Link:** [http://geotracker.waterboards.ca.gov/regulators/deliverable\\_documents/8256808221/Land%20Use%20Covenant\\_recorded.pdf](http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8256808221/Land%20Use%20Covenant_recorded.pdf)

**Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

**Document Type:** Site Documents

**Document Date:** 1/15/2019

**Size :**

**Title:** RE REMEDIAL ACTION WORK PLAN ADDENDUM FOR OFF-SITE GROUNDWATER REMEDIATION

**Title Link:** [http://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=SL208213876&enforcement\\_id=6382201](http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&enforcement_id=6382201)

**Type:** TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

**Document Type:** Site Documents

**Document Date:** 10/16/2018

**Size :** 13,515 KB

**Title:** THIRD QUARTER 2018 WDR COMPLIANCE MONITORING REPORT

**Title Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/5542447030/SL208213876.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5542447030/SL208213876.PDF)

**Type:** NPDES / WDR REPORTS

**Document Type:** Site Documents

**Document Date:** 10/12/2018

**Size :** 18,077 KB

**Title:** 2018-10-12 CPS RAW ADENDUM

**Title Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/8474890589/SL208213876.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8474890589/SL208213876.PDF)

**Type:** REMOVAL ACTION WORK PLAN

**Document Type:** Monitoring Reports

**Document Date:** 8/2/2018

**Size :** 10,528 KB

**Title:** FIRST SEMI-ANNUAL 2018 GROUNDWATER MONITORING REPORT

**Title Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/7061856210/SL208213876.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7061856210/SL208213876.PDF)

**Type:** MONITORING REPORT - SEMI-ANNUALLY

**Document Type:** Site Documents

**Document Date:** 7/31/2018

**Size :**

**Title:** FIRST SEMI-ANNUAL 2018 GROUNDWATER MONITORING REPORT

**Title Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/7061856210/SL208213876.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7061856210/SL208213876.PDF)

**Type:** MONITORING REPORT - SEMI-ANNUALLY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Title:					SECOND QUARTER 2018 WDR COMPLIANCE MONITORING REPORT	
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Type:					NPDES / WDR REPORTS	
Document Type:	Site Documents			Submitted:		
Document Date:	7/25/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					SOIL CONFIRMATION SAMPLING AT THE PROPOSED EXCAVATION AREA	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6364857">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6364857</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Site Documents			Submitted:		
Document Date:	6/20/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					2 ND ACCESS REQUEST	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6361765">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6361765</a>	
Type:					LETTER - NOTICE	
Document Type:	Site Documents			Submitted:		
Document Date:	6/6/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					THE SHOP AT LAKE FOREST	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6360325">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6360325</a>	
Type:					ANNUAL ESTIMATION LETTER	
Document Type:	Site Documents			Submitted:		
Document Date:	5/24/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					ACCESS REQUEST	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6361173">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6361173</a>	
Type:					ACCESS AGREEMENT	
Document Type:	Site Documents			Submitted:		
Document Date:	5/10/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					THE SECOND ACCESS REQUEST LETTER	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6357563">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6357563</a>	
Type:					ACCESS AGREEMENT	
Document Type:	Site Documents			Submitted:		
Document Date:	5/3/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					AMENDED WDR	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356809">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356809</a>	
Type:					AMENDMENT TO ORDER	
Document Type:	Site Documents			Submitted:		
Document Date:	5/1/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					CONCURRENCE WITH THE PROPOSED EXCAVATION	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356813">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356813</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Site Documents			Submitted:		
Document Date:	4/19/2018			Submitted By:	MONA BEHROOZ (REGULATOR)	
Size :						
Title:					REQUEST FOR ACCESS TO CONDUCT GROUNDWATER INVESTIGATION	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356812">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6356812</a>	
Type:					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
Document Type:	Monitoring Reports			Submitted:		
Document Date:	4/13/2018			Submitted By:	RAY HANNON (AUTH_RP)	
Size :	9,668 KB					
Title:					SHOPS AT LAKE FOREST_2SA17 GWMR_FINAL_0401218	
Title Link:					<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4508358895/SL208213876.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4508358895/SL208213876.PDF</a>	
Type:					MONITORING REPORT - SEMI-ANNUALLY	
Document Type:	Site Documents			Submitted:		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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					2018-03-01 WDR APPLICATION - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5958598">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5958598</a> ELECTRONIC REPORTING SUBMITTAL DUE	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 1/11/2018				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					RE REVISED PRE-DESIGN WORK PLAN FOR FULL-SCALE GROUNDWATER REMEDY <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6345513">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6345513</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 12/20/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					RESPONSE TO RWQCB COMMENTS REGARDING THE REVISED PRE-DESIGN WORK PLAN FOR FULL-SCALE GROUNDWATER REMEDY, DATED DECEMBER 7, 2017 - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5951863">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5951863</a> RESPONSE TO COMMENTS	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 12/7/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					REVISED PRE-DESIGN WORK PLAN FOR FULL-SCALE GROUNDWATER REMEDY <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342747">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342747</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
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					RE WELL INSTALLATION TECHNICAL MEMORANDUM <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342770">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6342770</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 11/10/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					REVISED PRE-DESIGN WORK PLAN_111017 - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5948854">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5948854</a> PROPOSED PLAN	
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					RESPONSE TO RWQCB COMMENTS REGARDING THE PRE-DESIGN WORK PLAN - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5948853">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5948853</a> PROPOSED PLAN	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b> <b>Title Link:</b> <b>Type:</b>	Site Documents 10/12/2017				<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)	
					RE PRE-DESIGN WORK PLAN FOR FULL-SCALE GROUNDWATER REMEDY <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6338716">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6338716</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
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					PRE-DESIGN WORK PLAN FOR FULL-SCALE GROUNDWATER REMEDY - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5946033">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5946033</a> OTHER WORKPLAN	
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>	Monitoring Reports 9/13/2017 16,760 KB				<b>Submitted:</b> <b>Submitted By:</b> RAMBOLL ENVIRON (AUTH_RP)	
					2017 FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT FOR OFF-SITE WELLS AND OFF-SITE WELL INSTALLATION	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title Link:</b> <b>Type:</b>		<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1977012336/SL208213876.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1977012336/SL208213876.PDF</a> MONITORING REPORT - SEMI-ANNUALLY				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 6/30/2017 649 KB		<b>Submitted:</b> <b>Submitted By:</b> RAMBOLL ENVIRON (AUTH_RP)		
<b>Title Link:</b> <b>Type:</b>		RESPONSES TO COMMENTS ON THE REPORT OF THE ENHANCED IN-SITU REDUCTIVE DECHLORINATION PILOT STUDY <a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9532172858/SL208213876.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9532172858/SL208213876.PDF</a> CORRESPONDENCE				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 6/30/2017		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		RESPONSES TO WATER BOARD COMMENTS JUNE 30 2017 - REGULATOR RESPONSE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5945222">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5945222</a> CORRESPONDENCE				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 6/8/2017		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		THE_SHOPS_AT_THE_LAKE_FOREST_RE_PILOT_TEST <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6322444">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6322444</a> TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 5/12/2017		<b>Submitted:</b> <b>Submitted By:</b> MONA BEHROOZ (REGULATOR)		
<b>Title Link:</b> <b>Type:</b>		ANNUAL COST ESTIMATE <a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6319789">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6319789</a> LETTER - NOTICE				
<b>Document Type:</b> <b>Document Date:</b> <b>Size :</b> <b>Title:</b>		Site Documents 4/13/2017 4,567 KB		<b>Submitted:</b> <b>Submitted By:</b> RAMBOLL ENVIRON (AUTH_RP)		
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<b>Document Date:</b>	1/28/2010			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>					COMMENTS ON ENVIRON'S DECEMBER 14, 2009 SUBMITTAL	
<b>Title Link:</b>					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045889">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045889</a>	
<b>Type:</b>					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	12/14/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>					RESPONSES TO COMMENTS ON THE REPORT FOR ADDITIONAL INVESTIGATION	
<b>Title Link:</b>					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5663540">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5663540</a>	
<b>Type:</b>					CORRESPONDENCE	
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	11/12/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>					COMMENTS ON THE REPORT FOR ADDITIONAL OFF-SITE INVESTIGATION AND SEPTEMBER 2009 GROUNDWATER MONITORING REPORT	
<b>Title Link:</b>					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045887">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6045887</a>	
<b>Type:</b>					TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER	
<b>Document Type:</b>	Monitoring Reports			<b>Submitted:</b>		
<b>Document Date:</b>	10/15/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>	4,815 KB					
<b>Title:</b>					SEPTEMBER 2009 GROUNDWATER MONITORING REPORT -	
<b>Title Link:</b>					<a href="http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3572553336/September%202009%20GW%20Monitoring%20Report%20Final%2Epdf">http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3572553336/September%202009%20GW%20Monitoring%20Report%20Final%2Epdf</a>	
<b>Type:</b>					MONITORING REPORT - SEMI-ANNUALLY	
<b>Document Type:</b>	Site Documents			<b>Submitted:</b>		
<b>Document Date:</b>	9/15/2009			<b>Submitted By:</b>	NICK AMINI (REGULATOR)	
<b>Size :</b>						
<b>Title:</b>					REPORT OF ADDITIONAL OFF-SITE INVESTIGATION 2009	
<b>Title Link:</b>					<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5651165">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5651165</a>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Type:	SITE INVESTIGATION					
Document Type:	Site Documents			Submitted:		
Document Date:	6/18/2009			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	APPROVAL OF THE WORK PLAN FOR ADDITIONAL OFF-SITE INVESTIGATION					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6027437">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6027437</a>					
Type:	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
Document Type:	Site Documents			Submitted:		
Document Date:	5/1/2009			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	WORK PLAN FOR ADDITIONAL OFF-SITE INVESTIGATION					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5648522">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5648522</a>					
Type:	OTHER WORKPLAN					
Document Type:	Monitoring Reports			Submitted:		
Document Date:	4/15/2009			Submitted By:	NICK AMINI (REGULATOR)	
Size :	4,171 KB					
Title:	MARCH 2009 GROUNDWATER MONITORING REPORT -					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1778211295/March%202009%20GW%20Monitoring%20Report%20Final%20Epdf">http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1778211295/March%202009%20GW%20Monitoring%20Report%20Final%20Epdf</a>					
Type:	MONITORING REPORT - OTHER					
Document Type:	Site Documents			Submitted:		
Document Date:	4/1/2009			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	COMMENTS ON THE RESPONSES TO COMMENTS FOR THE MARCH AND JUNE 2008 GROUNDWATER MONITORING REPORT AND WORK PLAN FOR CONFIRMATION SOIL VAPOR SAMPLING					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6009352">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=6009352</a>					
Type:	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					
Document Type:	Site Documents			Submitted:		
Document Date:	12/24/2008			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	MARCH AND JUNE GROUNDWATER MONITORING REPORT AND WORK PLAN FOR CONFIRMATION SOIL VAPOR SAMPLING					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5627546">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5627546</a>					
Type:	OTHER WORKPLAN					
Document Type:	Site Documents			Submitted:		
Document Date:	12/24/2008			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	RESPONSES TO COMMENTS FOR THE MARCH AND JUNE 2008 GROUNDWATER MONITORING REPORT AND WORK PLAN FOR CONFIRMATION SOIL SAMPLING					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5627547">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;document_id=5627547</a>					
Type:	OTHER REPORT / DOCUMENT					
Document Type:	Site Documents			Submitted:		
Document Date:	10/14/2008			Submitted By:	NICK AMINI (REGULATOR)	
Size :						
Title:	COMMENTS ON THE WORK PLAN FOR CONFIRMATION SOIL VAPOR SAMPLING					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=5997738">http://geotracker.waterboards.ca.gov/view_documents?global_id=SL208213876&amp;enforcement_id=5997738</a>					
Type:	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER					

#### Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title:	GEO_MAP	Submitted By:	RAMBOLL ENVIRON (AUTH_RP)
Size :	214 KB	Submitted:	9/14/2017
Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2328241169/SL208213876.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2328241169/SL208213876.PDF</a>		
Title:	GEO_MAP	Submitted By:	RAMBOLL ENVIRON (AUTH_RP)
Size :	3,777 KB	Submitted:	8/4/2015
Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4297811925/SL208213876.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4297811925/SL208213876.PDF</a>		

#### Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Status:		Open - Remediation				
Date :		1/14/2013				
Status:		Open - Site Assessment				
Date :		4/1/2012				
Status:		Open - Assessment & Interim Remedial Action				
Date :		6/18/2009				
Status:		Open - Remediation				
Date :		6/18/2009				
Status:		Open				
Date :		1/1/1996				
Status:		Open - Case Begin Date				
Date :		1/1/1996				
<hr/>						
<a href="#">39</a>	1 of 4	SSW	0.49 / 2,583.88	373.59 / -27	EXXON 23852 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
Record ID:	RO0002476			Case Closed Date:	8/19/2004	
Case ID:	88UT067			Type of Closure:	Closure certification issued	
Case Type:	O					
Case Type Desc:	Other groundwater affected (uses other than drinking water)					
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded					
<hr/>						
<a href="#">39</a>	2 of 4	SSW	0.49 / 2,583.88	373.59 / -27	USA PETROLEUM #825 23852 EL TORO RD LAKE FOREST CA 92630	ORANGE LOP
Record ID:	RO0003205			Case Closed Date:	12/14/2005	
Case ID:	03UT024			Type of Closure:	Closure certification issued	
Case Type:	O					
Case Type Desc:	Other groundwater affected (uses other than drinking water)					
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded					
<hr/>						
<a href="#">39</a>	3 of 4	SSW	0.49 / 2,583.88	373.59 / -27	EXXON 23852 EL TORO LAKE FOREST CA 92630	LUST
Global ID:	T0605900965			County:	ORANGE	
Status:	COMPLETED - CASE CLOSED			Latitude:	33.6157689	
Status Date:	2004-09-20 00:00:00			Longitude:	-117.7060684	
Case Type:	LUST CLEANUP SITE					
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download					
<hr/>						
<b><u>LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail</u></b>						
RB Case Number:	083001244T			Potential COC:	Gasoline	
Local Case Number:	88UT067			How Discovered:	Other Means	
Begin Date:	1988-04-06 00:00:00			Stop Method:	Other Means	
Lead Agency:	ORANGE COUNTY LOP			Stop Description:		
Local Agency:	ORANGE COUNTY LOP			Case Worker:	KL	
CUF Case:	YES			File Location:	Local Agency Warehouse	
Potential Media of Concern:	Other Groundwater (uses other than drinking water)					
How Discovered Description:						
Calwater Watershed Name:	San Juan - Laguna - Aliso (901.13)					
DWR GW Subbasin Name:						
Disadvantaged Community:						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Site History:

#### Regulatory Activity

**Action Type:** ENFORCEMENT  
**Date :** 2004-09-20 00:00:00  
**Action:** Closure/No Further Action Letter

**Action Type:** RESPONSE  
**Date :** 2003-09-22 00:00:00  
**Action:** Soil and Water Investigation Report

**Action Type:** ENFORCEMENT  
**Date :** 2003-05-28 00:00:00  
**Action:** \* Historical Enforcement

**Action Type:** REMEDIATION  
**Date :** 1996-02-01 00:00:00  
**Action:** In Situ Physical/Chemical Treatment (other than SVE)

**Action Type:** REMEDIATION  
**Date :** 1996-02-01 00:00:00  
**Action:** Soil Vapor Extraction (SVE)

**Action Type:** REMEDIATION  
**Date :** 1996-02-01 00:00:00  
**Action:** Excavation

**Action Type:** Other  
**Date :** 1988-04-06 00:00:00  
**Action:** Leak Reported

**Action Type:** Other  
**Date :** 1988-04-06 00:00:00  
**Action:** Leak Discovery

#### Regulatory Contacts

<b>Contact Type:</b> Local Agency Caseworker <b>Contact Name:</b> KEVIN LAMBERT <b>City:</b> SANTA ANA <b>Organization Name:</b> ORANGE COUNTY LOP	<b>Address:</b> 1241 E DYER ROAD SUITE 120 <b>Email:</b> klambert@ochca.com <b>Phone Number:</b> 7144336261
<b>Contact Type:</b> Regional Board Caseworker <b>Contact Name:</b> CARL BERNHARDT <b>City:</b> RIVERSIDE <b>Organization Name:</b> SANTA ANA RWQCB (REGION 8)	<b>Address:</b> 3737 MAIN STREET, SUITE 500 <b>Email:</b> carl.bernhardt@waterboards.ca.gov <b>Phone Number:</b> 9517824495
<b>Contact Type:</b> Local Agency Caseworker <b>Contact Name:</b> JAMES STROZIER <b>City:</b> SANTA ANA <b>Organization Name:</b> ORANGE COUNTY LOP	<b>Address:</b> 1241 E. DYER ROAD SUITE 120 <b>Email:</b> jstrozier@ochca.com <b>Phone Number:</b> 7144336273

#### Status History

**Status:** Completed - Case Closed  
**Status Date:** 2004-09-20 00:00:00

**Status:** Open - Verification Monitoring  
**Status Date:** 1998-08-01 00:00:00

**Status:** Open - Remediation  
**Status Date:** 1996-02-01 00:00:00

**Status:** Open - Site Assessment

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Status Date:** 1993-07-22 00:00:00  
**Status:** Open - Case Begin Date  
**Status Date:** 1988-04-06 00:00:00  
**Status:** Open - Site Assessment  
**Status Date:** 1988-04-06 00:00:00

**LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)**

<b>Site Facility Name:</b>	EXXON	<b>Address:</b>	23852 EL TORO
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>City:</b>	LAKE FOREST
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Zip:</b>	92630
<b>Project Status:</b>		<b>County:</b>	ORANGE
<b>Potential COC:</b>	GASOLINE	<b>CUF Claim:</b>	14466
<b>WDR Place Type:</b>		<b>CUF Priority Assig:</b>	D
<b>WDR File:</b>		<b>CUF Amount Paid:</b>	
<b>WDR Order:</b>			
<b>File Location:</b>	LOCAL AGENCY WAREHOUSE		
<b>Designated Beneficial Use:</b>	MUN, AGR		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900965		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 9/20/2004		
<b>Cleanup History Link:</b>	http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900965&tabname=regulatoryhistory		
<b>Potential Media Of Concern:</b>	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)		
<b>User Defined Beneficial Use:</b>	GW - MUNICIPAL AND DOMESTIC SUPPLY		
<b>DWR GW Sub Basin:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	ORANGE COUNTY LOP (LEAD) - CASE #: 88UT067 CASEWORKER: KEVIN LAMBERT CASEWORKER: JAMES STROZIER SANTA ANA RWQCB (REGION 8) - CASE #: 083001244T CASEWORKER: CARL BERNHARDT		

**Site History:**

No site history available

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)**

**Status:** Completed - Case Closed  
**Date :** 9/20/2004  
**Status:** Open - Verification Monitoring  
**Date :** 8/1/1998  
**Status:** Open - Remediation  
**Date :** 2/1/1996  
**Status:** Open - Site Assessment  
**Date :** 7/22/1993  
**Status:** Open - Site Assessment  
**Date :** 4/6/1988  
**Status:** Open - Case Begin Date  
**Date :** 4/6/1988

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

<b>Action Type:</b>	EXCAVATION	<b>Begin Date:</b>	2/1/1996
<b>Phase:</b>		<b>End Date:</b>	8/1/1998
<b>Contaminant Mass Removed:</b>			
<b>Description:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Action Type:</b>	IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)			<b>Begin Date:</b>	2/1/1996	
<b>Phase:</b>				<b>End Date:</b>	8/1/1998	
<b>Contaminant Mass Removed:</b>						
<b>Description:</b>						
<b>Action Type:</b>	SOIL VAPOR EXTRACTION (SVE)			<b>Begin Date:</b>	2/1/1996	
<b>Phase:</b>				<b>End Date:</b>	8/1/1998	
<b>Contaminant Mass Removed:</b>						
<b>Description:</b>						

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

<b>Action Type:</b>	Other Regulatory Actions
<b>Action Date:</b>	9/20/2004
<b>Received Issue Date:</b>	9/20/2004
<b>Action:</b>	Closure/No Further Action Letter
<b>Doc Link:</b>	<a href="http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900965&amp;enforcement_id=5979130&amp;template=ENFORCEMENT">http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900965&amp;enforcement_id=5979130&amp;template=ENFORCEMENT</a>
<b>Action Type:</b>	Response Requested - Reports
<b>Action Date:</b>	9/22/2003
<b>Received Issue Date:</b>	1/1/1965
<b>Action:</b>	Soil and Water Investigation Report
<b>Doc Link:</b>	
<b>Action Type:</b>	Enforcement/Orders
<b>Action Date:</b>	5/28/2003
<b>Received Issue Date:</b>	5/28/2003
<b>Action:</b>	* Historical Enforcement
<b>Doc Link:</b>	
<b>Action Type:</b>	Cleanup Action
<b>Action Date:</b>	2/1/1996
<b>Received Issue Date:</b>	
<b>Action:</b>	In Situ Physical/Chemical Treatment (other than SVE)
<b>Doc Link:</b>	
<b>Action Type:</b>	Cleanup Action
<b>Action Date:</b>	2/1/1996
<b>Received Issue Date:</b>	
<b>Action:</b>	Excavation
<b>Doc Link:</b>	
<b>Action Type:</b>	Cleanup Action
<b>Action Date:</b>	2/1/1996
<b>Received Issue Date:</b>	
<b>Action:</b>	Soil Vapor Extraction (SVE)
<b>Doc Link:</b>	
<b>Action Type:</b>	Leak Action
<b>Action Date:</b>	4/6/1988
<b>Received Issue Date:</b>	
<b>Action:</b>	Leak Reported
<b>Doc Link:</b>	
<b>Action Type:</b>	Leak Action
<b>Action Date:</b>	4/6/1988
<b>Received Issue Date:</b>	
<b>Action:</b>	Leak Discovery
<b>Doc Link:</b>	

**LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

<b>Title:</b>	GEO_MAP
<b>Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1906888663/T0605900965.pdf">http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1906888663/T0605900965.pdf</a>



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Size :		47 KB				
Submitted By:		CARDNO (AUTH_RP)				
Submitted:		3/21/2002				
<b><u>LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)</u></b>						
Document Type:	Site Documents			Size :		
Document Date:	9/20/2004			Submitted By:	PAMELA YBARRA (REGULATOR)	
Type:	CLOSURE/NO FURTHER ACTION LETTER			Submitted:		
Title:	CLOSURE LETTER					
Title Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900965&enforcement_id=5979130					
Document Type:	Site Documents			Size :	134 KB	
Document Date:	9/17/2004			Submitted By:	(REGULATOR)	
Type:				Submitted:		
Title:	REMEDIAL ACTION COMPLETION CERTIFICATION					
Title Link:	http://geotracker.waterboards.ca.gov/site_documents/3744214713/88UT067%2Epdf					
Document Type:	Site Documents			Size :	4,529 KB	
Document Date:	9/17/2004			Submitted By:	(REGULATOR)	
Type:				Submitted:		
Title:	CASE CLOSURE SUMMARY					
Title Link:	http://geotracker.waterboards.ca.gov/site_documents/7522412955/88UT067%2Epdf					
Document Type:	Site Documents			Size :	587 KB	
Document Date:	7/30/2004*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - 2Q 2004 QUARTERLY REPORT DATED 07-2004					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6131286859/T0605900965.PDF					
Document Type:	Site Documents			Size :	245 KB	
Document Date:	5/18/2004*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - REVISED DEGREDDATION ESTIMATE DATED 05-2004					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9769904017/T0605900965.PDF					
Document Type:	Site Documents			Size :	3,395 KB	
Document Date:	4/30/2004*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - 1Q 2004 QUARTERLY REPORT DATED 04-2004					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4911813557/T0605900965.PDF					
Document Type:	Site Documents			Size :	5,296 KB	
Document Date:	4/6/2004*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - STATISTICAL EVALUATION OF FUEL CONSTITUENTS DATED 04-2004					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6834851205/T0605900965.PDF					
Document Type:	Site Documents			Size :	389 KB	
Document Date:	1/30/2004*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - 4Q 2003 QUARTERLY REPORT DATED 01-2004					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2050991952/T0605900965.PDF					
Document Type:	Site Documents			Size :	10,884 KB	
Document Date:	11/24/2003*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - TRANSMITTAL OF THE CONFIRMATION SOIL SAMPLING DATED 11-2003					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7722876429/T0605900965.PDF					
Document Type:	Site Documents			Size :	2,496 KB	
Document Date:	10/30/2003*			Submitted By:	PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT			Submitted:		
Title:	HISTORICAL - 3Q 2003 QUARTERLY REPORT DATED 10-2003					
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2627554774/T0605900965.PDF					
Document Type:	Site Documents			Size :	229 KB	
Document Date:	9/24/2003*			Submitted By:	PINNACLE EMS (CONTRACTOR)	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type:	OTHER REPORT / DOCUMENT		Submitted:			
Title:	HISTORICAL - NOTIFICATION OF PROPOSED WELL RELOCATION DATED 09-2003					
Title Link:	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8577872931/T0605900965.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8577872931/T0605900965.PDF</a>					
Document Type:	Site Documents		Size :		394 KB	
Document Date:	7/30/2003*		Submitted By:		PINNACLE EMS (CONTRACTOR)	
Type:	OTHER REPORT / DOCUMENT		Submitted:			
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<b>Type:</b>	OTHER REPORT / DOCUMENT	<b>Submitted:</b>	
<b>Title:</b>	HISTORICAL - SUBSURFACE INVESTIGATION REPORT DATED 06-1992		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7109579682/T0605900965.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7109579682/T0605900965.PDF</a>		

<a href="#">39</a>	4 of 4	SSW	0.49 / 2,583.88	373.59 / -27	USA PETROLEUM #825 23852 EL TORO LAKE FOREST CA 92630	LUST
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<b>Global ID:</b>	T0605936712	<b>County:</b>	ORANGE
<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.615446
<b>Status Date:</b>	2005-12-14 00:00:00	<b>Longitude:</b>	-117.706086
<b>Case Type:</b>	LUST CLEANUP SITE		
<b>Date Source:</b>	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

#### LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

<b>RB Case Number:</b>		<b>Potential COC:</b>	Diesel, Gasoline
<b>Local Case Number:</b>	03UT024	<b>How Discovered:</b>	UST System Modification
<b>Begin Date:</b>	2003-06-11 00:00:00	<b>Stop Method:</b>	Replace product piping
<b>Lead Agency:</b>	ORANGE COUNTY LOP	<b>Stop Description:</b>	
<b>Local Agency:</b>	ORANGE COUNTY LOP	<b>Case Worker:</b>	KL
<b>CUF Case:</b>	NO	<b>File Location:</b>	Local Agency
<b>Potential Media of Concern:</b>	Other Groundwater (uses other than drinking water)		
<b>How Discovered Description:</b>			
<b>Calwater Watershed Name:</b>	San Juan - Laguna - Aliso (901.13)		
<b>DWR GW Subbasin Name:</b>			
<b>Disadvantaged Community:</b>			
<b>Site History:</b>			

#### Regulatory Activity

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2005-12-14 00:00:00
<b>Action:</b>	Closure/No Further Action Letter
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2004-05-14 00:00:00
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2003-09-29 00:00:00
<b>Action:</b>	Soil and Water Investigation Workplan
<b>Action Type:</b>	RESPONSE
<b>Date :</b>	2003-07-14 00:00:00
<b>Action:</b>	Other Report / Document
<b>Action Type:</b>	REMEDIATION
<b>Date :</b>	2003-06-19 00:00:00
<b>Action:</b>	Excavation
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2003-06-18 00:00:00
<b>Action:</b>	Notice of Responsibility
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	2003-06-18 00:00:00
<b>Action:</b>	* Corrective Action Orders
<b>Action Type:</b>	Other
<b>Date :</b>	2003-06-11 00:00:00



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Action: Leak Discovery

Action Type: Other

Date : 2003-06-11 00:00:00

Action: Leak Reported

#### Regulatory Contacts

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

Contact Type:	Local Agency Caseworker	Address:	1241 E DYER ROAD SUITE 120
Contact Name:	KEVIN LAMBERT	Email:	klambert@ochca.com
City:	SANTA ANA	Phone Number:	7144336261
Organization Name:	ORANGE COUNTY LOP		

#### Status History

Status: Completed - Case Closed

Status Date: 2005-12-14 00:00:00

Status: Open - Site Assessment

Status Date: 2003-06-17 00:00:00

Status: Open - Case Begin Date

Status Date: 2003-06-11 00:00:00

#### LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	USA PETROLEUM #825	Address:	23852 EL TORO
Site Facility Type:	LUST CLEANUP SITE	City:	LAKE FOREST
Cleanup Status:	COMPLETED - CASE CLOSED	Zip:	92630
Project Status:		County:	ORANGE
Potential COC:	DIESEL, GASOLINE	CUF Claim:	
WDR Place Type:		CUF Priority Assig:	
WDR File:		CUF Amount Paid:	
WDR Order:			
File Location:	LOCAL AGENCY		
Designated Beneficial Use:	MUN, AGR		
Project Oversight Agencies:			
Report Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605936712">http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605936712</a>		
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 12/14/2005		
Cleanup History Link:	<a href="http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605936712&amp;tabname=regulatoryhistory">http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605936712&amp;tabname=regulatoryhistory</a>		
Potential Media Of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)		
User Defined Beneficial Use:			
DWR GW Sub Basin:			
Calwater Watershed Name:	San Juan - Laguna - Aliso (901.13)		
Post Closure Site Management:			
Future Land Use:			
Cleanup Oversight Agencies:	ORANGE COUNTY LOP (LEAD) - CASE #: 03UT024 CASEWORKER: JAMES STROZIER CASEWORKER: KEVIN LAMBERT SAN DIEGO RWQCB (REGION 9)		

#### Site History:

No site history available

#### LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed

Date : 12/14/2005

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Status: Open - Site Assessment  
Date : 6/17/2003

Status: Open - Case Begin Date  
Date : 6/11/2003

**LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)**

Action Type:	EXCAVATION	Begin Date:	6/19/2003
Phase:		End Date:	9/9/9999
Contaminant Mass Removed:			
Description:			

**LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)**

Action Type: Other Regulatory Actions  
Action Date: 12/14/2005  
Received Issue Date: 12/14/2005  
Action: Closure/No Further Action Letter  
Doc Link:

Action Type: Other Regulatory Actions  
Action Date: 5/14/2004  
Received Issue Date: 5/14/2004  
Action: Staff Letter  
Doc Link:

Action Type: Response Requested - Workplans  
Action Date: 9/29/2003  
Received Issue Date: 1/1/1965  
Action: Soil and Water Investigation Workplan  
Doc Link:

Action Type: Response Requested - Other  
Action Date: 7/14/2003  
Received Issue Date: 1/1/1965  
Action: Other Report / Document  
Doc Link:

Action Type: Cleanup Action  
Action Date: 6/19/2003  
Received Issue Date:  
Action: Excavation  
Doc Link:

Action Type: Notices  
Action Date: 6/18/2003  
Received Issue Date: 6/18/2003  
Action: Notice of Responsibility  
Doc Link:

Action Type: Enforcement/Orders  
Action Date: 6/18/2003  
Received Issue Date: 6/18/2003  
Action: \* Corrective Action Orders  
Doc Link:

Action Type: Leak Action  
Action Date: 6/11/2003  
Received Issue Date:  
Action: Leak Reported  
Doc Link:

Action Type: Leak Action  
Action Date: 6/11/2003  
Received Issue Date:  
Action: Leak Discovery

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Doc Link:

**LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)**

**Title:** GEO\_MAP  
**Link:** [http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_map/2703397452/T0605936712.pdf](http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2703397452/T0605936712.pdf)  
**Size :** 254 KB  
**Submitted By:** ES ENGINEERING SERVICES, LLC (AUTH\_RP)  
**Submitted:** 10/14/2005

**LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)**

<b>Document Type:</b>	Site Documents	<b>Size :</b>	2,507 KB
<b>Document Date:</b>	1/13/2006	<b>Submitted By:</b>	(REGULATOR)
<b>Type:</b>		<b>Submitted:</b>	
<b>Title:</b>	CASE CLOSURE SUMMARY		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/site_documents/7755283951/03UT024%2Epdf">http://geotracker.waterboards.ca.gov/site_documents/7755283951/03UT024%2Epdf</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	134 KB
<b>Document Date:</b>	1/13/2006	<b>Submitted By:</b>	(REGULATOR)
<b>Type:</b>		<b>Submitted:</b>	
<b>Title:</b>	REMEDIAL ACTION COMPLETION CERTIFICATION		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/site_documents/9243107438/03UT024%2Epdf">http://geotracker.waterboards.ca.gov/site_documents/9243107438/03UT024%2Epdf</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	6,386 KB
<b>Document Date:</b>	7/20/2005	<b>Submitted By:</b>	ES ENGINEERING SERVICES, LLC (AUTH_RP)
<b>Type:</b>	REPORTS - INVESTIGATION RPT.	<b>Submitted:</b>	
<b>Title:</b>	SHALLOW SUBSURFACE INVESTIGATION RPT		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8649472892/T0605936712.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8649472892/T0605936712.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	6,611 KB
<b>Document Date:</b>	7/20/2005	<b>Submitted By:</b>	ES ENGINEERING SERVICES, LLC (AUTH_RP)
<b>Type:</b>	REPORTS - CLOSURE RPT.	<b>Submitted:</b>	
<b>Title:</b>	PRODUCT DISTRIBUTION PIPING CLOSURE RPT		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8956226944/T0605936712.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8956226944/T0605936712.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	6,386 KB
<b>Document Date:</b>	7/14/2005	<b>Submitted By:</b>	ES ENGINEERING SERVICES, LLC (AUTH_RP)
<b>Type:</b>	REPORTS - INVESTIGATION RPT.	<b>Submitted:</b>	
<b>Title:</b>	SUBSURFACE INVESTIGATION RPT		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6358823478/T0605936712.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6358823478/T0605936712.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	5,678 KB
<b>Document Date:</b>	7/14/2005	<b>Submitted By:</b>	ES ENGINEERING SERVICES, LLC (AUTH_RP)
<b>Type:</b>	REPORTS - INVESTIGATION RPT.	<b>Submitted:</b>	
<b>Title:</b>	SHALLOW SUBSURFACE INVESTIGATION		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9783261954/T0605936712.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9783261954/T0605936712.PDF</a>		
<b>Document Type:</b>	Site Documents	<b>Size :</b>	6,611 KB
<b>Document Date:</b>	7/14/2005	<b>Submitted By:</b>	ES ENGINEERING SERVICES, LLC (AUTH_RP)
<b>Type:</b>	REPORTS - OTHER	<b>Submitted:</b>	
<b>Title:</b>	DISTRIBUTION PIPING RPT		
<b>Title Link:</b>	<a href="http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3680494010/T0605936712.PDF">http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3680494010/T0605936712.PDF</a>		

[40](#)

1 of 1

NNW

0.92 /  
4,856.83

342.77 /  
-58

LAKE FOREST TOWN CENTER /  
DRY CLEANER  
22641 LAKE FOREST DRIVE  
LAKE FOREST CA 92630

ENVIROSTOR

**Etor/EPA ID:** 60002373  
**Site Code:** 401751

**Permit Renewal Lead:**  
**Project Manager:** CHRISTINE CHIU



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Nat Priority List:</b>	NO				<b>Supervisor:</b>	YOLANDA GARZA
<b>Acres:</b>	0.05 ACRES				<b>Public Partici Spclst:</b>	PHILIP MCPHAUL
<b>Special Program:</b>	VOLUNTARY CLEANUP PROGRAM				<b>Census Tract:</b>	6059052410
<b>Funding:</b>	SITE PROPONENT				<b>County:</b>	ORANGE
<b>Assembly District:</b>	, 68				<b>Latitude:</b>	33.634473
<b>Senate District:</b>	, 37				<b>Longitude:</b>	-117.71141
<b>School District:</b>						
<b>APN:</b>	617-493-01					
<b>Cleanup Status:</b>	ACTIVE AS OF 6/14/2016					
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY					
<b>Site Type:</b>	VOLUNTARY CLEANUP					
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH					
<b>Past Use that Caused Contam:</b>	DRY CLEANING					
<b>Potential Media Affected:</b>	OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR					
<b>Potential Contaminant of Concern:</b>						

TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

#### Site History:

The Site was a former (vacated Fall 2017) operating dry cleaner facility (approximately 2,000 square feet) within a multi-tenant commercial shopping center (approximately 8.7 acres) constructed in 1993. The shopping center is surrounded by commercial buildings to the northwest and southwest, Lake Forest Drive to the southeast, and Muirlands Boulevard to the northeast; residential areas are located across the streets. Prior to DTSC's involvement, environmental investigations were conducted, including the collection of soil, soil gas, and groundwater samples.

A Voluntary Cleanup Agreement (VCA) to investigate and remediate the Site under DTSC oversight was fully executed on August 17, 2016. On June 30, 2017, DTSC approved a workplan for investigation activities which, focusing on the dry cleaning facility, proposed soil and soil vapor sampling and a vapor intrusion assessment (sub-slab and indoor air sampling). Fieldwork activities were conducted from August through November 2017, and a Data Gap Assessment Report with the results was submitted. In January 2018, DTSC provided a response with comments on the report and indicated that additional investigation activities to address impacts to soil vapor and groundwater and a risk evaluation are necessary. In February 2018, a letter (workplan addendum) proposed additional subslab soil vapor sampling and the installation and sampling of three groundwater monitoring wells; and DTSC determined the Letter acceptable for implementation. Fieldwork activities were completed in early April 2018; and a revised Data Gap Assessment Report, which included the sampling results, was submitted to DTSC. In August 2018, DTSC determined that, based on the qualitative nature of the soil vapor data and the project status (i.e., anticipated implementation of a Soil Vapor Extraction (SVE) pilot test), site characterization was adequate to move the project forward.

In May 2018, a SVE Pilot Test Workplan was submitted proposing five SVE wells to operate for four weeks; the purpose of the SVE pilot test is to evaluate an environmental cleanup method. In June 2018, DTSC approved a SVE Pilot Test Workplan. A Work Notice for the SVE Pilot Test was distributed to occupants of nearby buildings on July 20, 2018. The SVE system was installed and the pilot test commenced in mid-December 2018.

<b>Status:</b>	ACTIVE
<b>Program Type:</b>	VOLUNTARY CLEANUP
<b>CalEnviroScreen Score:</b>	66-70%
<b>Summary Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002373">http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002373</a>

#### Completed Activities

<b>Title:</b>	Addendum to the Data Gap Assessment Work Plan
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441372">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441372</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Site Characterization Workplan
<b>Date Completed:</b>	2/22/2018
<b>Comments:</b>	In a letter, dated February 22, 2018, DTSC determined the Letter (Addendum to Data Gap Assessment Workplan), dated February 14, 2018, acceptable for implementation, noting specific comments for compliance. DTSC also provided comments on the project schedule and requested such be addressed in the future.

<b>Title:</b>	Modified Sampling Proposal (Unit B.12)
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60434486">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60434486</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Technical Workplan
<b>Date Completed:</b>	9/6/2017
<b>Comments:</b>	Via email on September 6, 2017, DTSC determined the proposal for modified sampling regarding HV Pharmacy

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
(Unit B.12) to be acceptable and requested an updated schedule of fieldwork activities and report submittal.						
<b>Title:</b>	Data Gap Assessment Report					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416503">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416503</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Site Characterization Report					
<b>Date Completed:</b>	8/30/2018					
<b>Comments:</b>	In a letter, dated August 30, 2018, DTSC provided a response to the revised Data Gap Assessment Report. DTSC requested a response to three specific DTSC recommendations by September 12, 2018 and that the other DTSC comments on the Report be incorporated in future activities and documents, accordingly.					
<b>Title:</b>	Fieldwork					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416508">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416508</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Fieldwork					
<b>Date Completed:</b>	11/6/2017					
<b>Comments:</b>	Via email on November 5, 2017, DTSC was provided notification indicating that fieldwork activities would be completed on November 6, 2017.					
<b>Title:</b>	Existing Documents & Scoping Meeting					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60414094">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60414094</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Site Characterization Report					
<b>Date Completed:</b>	10/20/2016					
<b>Comments:</b>	On October 20, 2016, DTSC and the Proponent held a Scoping Meeting regarding the next steps based on the existing environmental documents regarding the project.					
<b>Title:</b>	Annual Oversight Cost Estimate Fiscal Year 2017-2018					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60433633">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60433633</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Annual Oversight Cost Estimate					
<b>Date Completed:</b>	9/11/2017					
<b>Comments:</b>	In a letter, dated September 11, 2017, DTSC transmitted a project cost estimate for Fiscal Year 2017 - 2018. In a letter, dated May 24, 2018, DTSC transmitted an updated project cost estimate for Fiscal Year 2017 - 2018.					
<b>Title:</b>	Data Gap Assessment Workplan					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416501">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60416501</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Site Characterization Workplan					
<b>Date Completed:</b>	6/30/2017					
<b>Comments:</b>	In a letter, dated June 30, 2017, DTSC approved the Data Gap Assessment Work Plan for implementation.					
<b>Title:</b>	Updated Project Schedule					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60455412">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60455412</a>					
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>	Correspondence					
<b>Date Completed:</b>	12/11/2018					
<b>Comments:</b>	Via email on December 11, 2018, DTSC received an updated Project Schedule, dated December 11, 2018.					
<b>Title:</b>	Fieldwork					
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441914">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441914</a>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Fieldwork				
<b>Date Completed:</b>		4/2/2018				
<b>Comments:</b>		Via email on April 12, 2018, DTSC was provided notification that fieldwork activities were completed on April 2, 2018.				
<b>Title:</b>		Site Visit				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60420020">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60420020</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Site Inspections/Visit (Non LUR)				
<b>Date Completed:</b>		12/27/2016				
<b>Comments:</b>		On December 27, 2016, the Site Visit Report was finalized; the SVR pertained to the first time Site visit by DTSC on December 5, 2016.				
<b>Title:</b>		Voluntary Cleanup Agreement				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60410280">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60410280</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Voluntary Cleanup Agreement				
<b>Date Completed:</b>		8/17/2016				
<b>Comments:</b>		VCA fully executed.				
<b>Title:</b>		Request to Extend SVE Pilot Test				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60456140">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60456140</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Pilot Study/Treatability Workplan				
<b>Date Completed:</b>		1/16/2019				
<b>Comments:</b>		Via email response on January 16, 2019, DTSC found it acceptable to extend the SVE pilot test to operate for a duration of nine months (scheduled to end on September 23, 2019). In addition, DTSC indicated the other proposed activities and updated project schedule, dated January 15, 2019, are acceptable.				
<b>Title:</b>		Work Notice for SVE Pilot Test				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441920">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441920</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Work Notice				
<b>Date Completed:</b>		7/20/2018				
<b>Comments:</b>		Via email on July 23, 2018, DTSC received confirmation that the Work Notice for the Soil Vapor Extraction Pilot Test was distributed to occupants of nearby buildings on July 20, 2018 (26 copies were distributed).				
<b>Title:</b>		Annual Oversight Cost Estimate Fiscal Year 2018-2019				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60446801">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;enforcement_id=60446801</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Annual Oversight Cost Estimate				
<b>Date Completed:</b>		9/5/2018				
<b>Comments:</b>		FY 1819 Estimate: \$52,554				
<b>Title:</b>		SVE Pilot Test Workplan				
<b>Title Link:</b>		<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441916">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002373&amp;doc_id=60441916</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Document Type:</b>		Pilot Study/Treatability Workplan				
<b>Date Completed:</b>		6/8/2018				
<b>Comments:</b>		In a letter, dated June 8, 2018, DTSC approved the SVE Pilot Test Workplan for implementation. DTSC requested submittal of a revised Project Schedule by June 22, 2018.				

<a href="#">41</a>	1 of 2	E	0.96 / 5,076.66	451.16 / 51	SILVERADO CONTINUATION HIGH SCHOOL 25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	ENVIROSTOR
<b>Estor/EPA ID:</b>		70000058	<b>Permit Renewal Lead:</b>			
<b>Site Code:</b>		404653	<b>Project Manager:</b>			
<b>Nat Priority List:</b>		NO	<b>Supervisor:</b>		JAVIER HINOJOSA	
<b>Acres:</b>		1.9 ACRES	<b>Public Partici Spclst:</b>			
<b>Special Program:</b>			<b>Census Tract:</b>		6059032028	
<b>Funding:</b>		SCHOOL DISTRICT	<b>County:</b>		ORANGE	
<b>Assembly District:</b>		73	<b>Latitude:</b>		33.621197284796	
<b>Senate District:</b>		36	<b>Longitude:</b>		-117.682694251946	
<b>School District:</b>		SADDLEBACK VALLEY UNIFIED SCHOOL DISTRICT				
<b>APN:</b>		809-312-01, 809-312-02, 809-312-03				
<b>Cleanup Status:</b>		NO ACTION REQUIRED AS OF 11/1/2005				
<b>Cleanup Oversight Agencies:</b>		DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY				
<b>Site Type:</b>		SCHOOL				
<b>Office:</b>		SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH				
<b>Past Use that Caused Contam:</b>		NONE				
<b>Potential Media Affected:</b>		NO MEDIA AFFECTED				
<b>Potential Contamin of Concern:</b>						

NO CONTAMINANTS FOUND

#### Site History:

The proposed school site is located in the foothills of the Santa Ana Mountains, in the northern part of the Peninsular Ranges. The site consists of portions of the existing Silverado Continuation High School.

<b>Status:</b>	NO ACTION REQUIRED
<b>Program Type:</b>	SCHOOL EVALUATION
<b>CalEnviroScreen Score:</b>	36-40%
<b>Summary Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000058">http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000058</a>

#### Completed Activities

<b>Title:</b>	Phase 1 Silverado Continuation School Site
<b>Title Link:</b>	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000058&amp;doc_id=6008014">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000058&amp;doc_id=6008014</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Phase 1
<b>Date Completed:</b>	10/26/2005
<b>Comments:</b>	No Action

<a href="#">41</a>	2 of 2	E	0.96 / 5,076.66	451.16 / 51	SILVERADO CONTINUATION HIGH SCHOOL 25632 PETER A HARTMAN WAY MISSION VIEJO CA 92691	SCH
<b>Estor/EPA ID:</b>		70000058	<b>Permit Renewal Lead:</b>			
<b>Site Code:</b>		404653	<b>Project Manager:</b>			
<b>Nat Priority List:</b>		NO	<b>Supervisor:</b>		JAVIER HINOJOSA	
<b>Acres:</b>		1.9 ACRES	<b>Public Partici Spclst:</b>			
<b>Special Program:</b>			<b>Census Tract:</b>		6059032028	
<b>Funding:</b>		SCHOOL DISTRICT	<b>County:</b>		ORANGE	
<b>Assembly District:</b>		73	<b>Latitude:</b>		33.621197284796	
<b>Senate District:</b>		36	<b>Longitude:</b>		-117.682694251946	
<b>School District:</b>		SADDLEBACK VALLEY UNIFIED SCHOOL DISTRICT				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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APN:	809-312-01, 809-312-02, 809-312-03
Cleanup Status:	NO ACTION REQUIRED AS OF 11/1/2005
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type:	SCHOOL
Office:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam:	NONE
Potential Media Affected:	NO MEDIA AFFECTED
Potential Contamin of Concern:	

NO CONTAMINANTS FOUND

#### SITE HISTORY:

The proposed school site is located in the foothills of the Santa Ana Mountains, in the northern part of the Peninsular Ranges. The site consists of portions of the existing Silverado Continuation High School.

Status:	NO ACTION REQUIRED
Program Type:	SCHOOL EVALUATION
CalEnviroScreen Score:	36-40%
Summary Link:	<a href="http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000058">http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=70000058</a>

#### Completed Activities

Title:	Phase 1 Silverado Continuation School Site
Title Link:	<a href="http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000058&amp;doc_id=6008014">http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=70000058&amp;doc_id=6008014</a>
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Phase 1
Date Completed:	10/26/2005
Comments:	No Action

## Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CDL		EL TORO RD	RIVERSIDE CA		820123823
FINDS/FRS	GW CLEANUP- L.HILLSNAEL TORO RD	EL TORO ROAD	LAGUNA HILLS CA	92356	840086502
HIST TANK	GUIDO MARX	EL TORO ROAD	CA		865086922
RCRA CORRACTS	MARINE CORPS AIR STATION, EL TORO	MCAS EL TORO <i>EPA Handler ID: CA6170023208</i>	EL TORO CA	92709	810472189
RCRA SQG	MARINE CORPS AIR STATION, EL TORO	MCAS EL TORO <i>EPA Handler ID: CA6170023208</i>	EL TORO CA	92709	810723213
RCRA TSD	MARINE CORPS AIR STATION, EL TORO	MCAS EL TORO <i>EPA Handler ID: CA6170023208</i>	EL TORO CA	92709	810459659



# Unplottable Report

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**Site:** EL TORO RD RIVERSIDE CA CDL

**Clue:** 1996-12-090  
**Date:** 12/20/1996  
**County:** RIVERSIDE  
**Lab Type:** A  
**Lab Type Description:** Abandoned Drug Lab Waste - location away from an actual illegal drug lab where drug lab waste and/or equipment were abandoned.

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**Site:** GW CLEANUP-L.HILLSNAEL TORO RD FINDS/FRS  
EL TORO ROAD LAGUNA HILLS CA 92356

**Registry ID:** 110065993394  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 14-OCT-2015 09:23:11  
**Update Date:**  
**Interest Types:** STATE MASTER  
**SIC Codes:** 4959  
**SIC Code Descriptions:** SANITARY SERVICES, NOT ELSEWHERE CLASSIFIED  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No.:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE COUNTY  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110065993394](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065993394)  
**Program Acronyms:**

CA-ENVIROVIEW:350961

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**Site:** GUIDO MARX HIST TANK  
EL TORO ROAD CA

<b>Owner Name:</b>	GUID MARX	<b>No of Containers:</b>	3
<b>Owner Street:</b>	335 MONARCH BAY	<b>County:</b>	RIVERSIDE
<b>Owner City:</b>	SOUTH LAGUNA	<b>Facility State:</b>	CA
<b>Owner State:</b>	CA	<b>Facility Zip:</b>	92677
<b>Owner Zip:</b>	92677		

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**Site:** MARINE CORPS AIR STATION, EL TORO  
MCAS EL TORO EL TORO CA 92709

RCRA CORRACTS

**EPA Handler ID:** CA6170023208  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** EDWARD L NUNN  
**Contact Address:** US  
**Contact Phone No and Ext:** 619-572-1404  
**Contact Email:**  
**Contact Country:** US  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:** Federal  
**Receive Date:** 20020129

**Event/Area Details**

**Area Name:** OU2A - VADOSE ZONE SOILS  
**Event Code:** CA150  
**Corrective Action Event Descri:** INVESTIGATION WORKPLAN APPROVED  
**Actual Date of Event:** 19970123  
**Orig Sched Event Date:**  
**New Sched Event Date:**  
**Best Date:** 19970123  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** OU2A - VADOSE ZONE SOILS  
**Event Code:** CA200  
**Corrective Action Event Descri:** INVESTIGATION COMPLETE  
**Actual Date of Event:** 19970123  
**Orig Sched Event Date:**  
**New Sched Event Date:**  
**Best Date:** 19970123  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** ENTIRE FACILITY  
**Event Code:** CA750NO  
**Corrective Action Event Descri:** RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION  
**Actual Date of Event:** 19980617  
**Orig Sched Event Date:** 19980617  
**New Sched Event Date:**  
**Best Date:** 19980617  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** ENTIRE FACILITY  
**Event Code:** CA400  
**Corrective Action Event Descri:** REMEDY DECISION  
**Actual Date of Event:** 19970930  
**Orig Sched Event Date:** 19970930  
**New Sched Event Date:**  
**Best Date:** 19970930  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** OU2A - VADOSE ZONE SOILS  
**Event Code:** CA300  
**Corrective Action Event Descri:** CMS WORKPLAN APPROVED  
**Actual Date of Event:** 19970123  
**Orig Sched Event Date:**  
**New Sched Event Date:**  
**Best Date:** 19970123  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** FOST 1  
**Event Code:** CA999RM  
**Corrective Action Event Descri:** CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE  
**Actual Date of Event:** 20040723  
**Orig Sched Event Date:** 20040723  
**New Sched Event Date:**  
**Best Date:** 20040723  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** ENTIRE FACILITY  
**Event Code:** CA050  
**Corrective Action Event Descri:** RFA COMPLETED  
**Actual Date of Event:** 19960501  
**Orig Sched Event Date:** 19960501  
**New Sched Event Date:**  
**Best Date:** 19960501  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** ENTIRE FACILITY  
**Event Code:** CA070YE  
**Corrective Action Event Descri:** DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY  
**Actual Date of Event:** 19960501  
**Orig Sched Event Date:** 19960501  
**New Sched Event Date:**  
**Best Date:** 19960501  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** ENTIRE FACILITY  
**Event Code:** CA725NO  
**Corrective Action Event Descri:** HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION  
**Actual Date of Event:** 19980617  
**Orig Sched Event Date:** 19980617  
**New Sched Event Date:**  
**Best Date:** 19980617  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Area Name:** OU2A - VADOSE ZONE SOILS  
**Event Code:** CA350  
**Corrective Action Event Descri:** CMS COMPLETE  
**Actual Date of Event:** 19970123  
**Orig Sched Event Date:**



**New Sched Event Date:**  
**Best Date:** 19970123  
**Groundwater Release Indicator:**  
**Soil Release Indicator:**  
**Air Release Indicator:**  
**Surface Waste Release Ind:**  
**Event Responsible Agency:** S

**Violation/Evaluation Summary**

**Note:** VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Mar, 2019.

**Violation Details**

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**

**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 261.5  
**Violation Short Description:** Generators - General

**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960326  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.50-56.D  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**



**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State

**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**

**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926

**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500



**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19941228  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940117  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19941228  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State

**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021

**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**



**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

#### Enforcement Details

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

#### Enforcement Details

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19900613  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

#### Enforcement Details

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210

**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

#### Enforcement Details

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19890711



**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19880817  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**

**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19880817  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

#### Violation Details

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

#### Evaluation Details

**Evaluation Start Date:** 19980114  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19960326  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19960927  
**Evaluation Agency:** State

**Evaluation Start Date:** 19950330  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19950501  
**Evaluation Agency:** State

**Evaluation Start Date:** 19931117  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19940117  
**Evaluation Agency:** State

**Evaluation Start Date:** 19921026  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19940926  
**Evaluation Agency:** State

**Evaluation Start Date:** 19921026  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19940926  
**Evaluation Agency:** State

<b>Evaluation Start Date:</b>	19921026
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19940926
<b>Evaluation Agency:</b>	State
<b>Evaluation Start Date:</b>	19920917
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	
<b>Return to Compliance Date:</b>	
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19920617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19921209
<b>Evaluation Agency:</b>	EPA Contractor/Grantee
<b>Evaluation Start Date:</b>	19910617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	Generators - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19910617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19900613
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - Closure/Post-Closure
<b>Return to Compliance Date:</b>	19900613
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	LDR - General
<b>Return to Compliance Date:</b>	19900613
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19880817
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19890711
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19880817
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - Closure/Post-Closure
<b>Return to Compliance Date:</b>	19890711
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19870305
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19880817



**Evaluation Agency:** EPA  
**Evaluation Start Date:** 19870305  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19880817  
**Evaluation Agency:** EPA

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner:** No  
**Smelting, Melting and Refining:** No  
**Underground Injection Control:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 6  
**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Waste Code Details**

**Hazardous Waste Code:** D040  
**Waste Code Description:** TRICHLORETHYLENE

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 5  
**Receive Date:** 20001012  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 4  
**Receive Date:** 19990415  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19960901  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 3  
**Receive Date:** 19960131  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 19940330  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19931026  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Notification

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19920229  
**Handler Name:** MCAS EL TORO FMD 1JG B.368  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Owner/Operator Details**

**Owner/Operator Ind:** Current Owner  
**Type:** Federal  
**Name:** U.S. MARINE CORPS  
**Date Became Current:** 19430317  
**Date Ended Current:**  
**Phone:**  
**Source Type:** Annual/Biennial Report

**Street No:**  
**Street 1:**  
**Street 2:**  
**City:**  
**State:**  
**Country:** US  
**Zip Code:**

**Owner/Operator Ind:** Current Operator  
**Type:** Federal  
**Name:** MCAS EL TORO  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 714-726-2821  
**Source Type:** Implementer

**Street No:**  
**Street 1:** FACILITIES MGMT DEPT 1JG  
**Street 2:**  
**City:** SANTA ANA  
**State:** CA  
**Country:**  
**Zip Code:** 92709

**Owner/Operator Ind:** Current Owner  
**Type:** Federal  
**Name:** U.S. MARINE CORPS  
**Date Became Current:** 19430317  
**Date Ended Current:**  
**Phone:**  
**Source Type:** Implementer

**Street No:**  
**Street 1:**  
**Street 2:**  
**City:**  
**State:**  
**Country:** US  
**Zip Code:**

**Owner/Operator Ind:** Current Owner  
**Type:** Federal  
**Name:** USMC AIR STATION EL TORO

**Street No:**  
**Street 1:** PO BOX 95001  
**Street 2:**

**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 714-726-3705  
**Source Type:** Notification

**City:** SANTA ANA  
**State:** CA  
**Country:**  
**Zip Code:** 92709-5001

**Site:** MARINE CORPS AIR STATION, EL TORO  
MCAS EL TORO EL TORO CA 92709

RCRA SQG

**EPA Handler ID:** CA6170023208  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** EDWARD L NUNN  
**Contact Address:** US  
**Contact Phone No and Ext:** 619-572-1404  
**Contact Email:**  
**Contact Country:** US  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:** Federal  
**Receive Date:** 20020129

#### Violation/Evaluation Summary

**Note:** VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Mar, 2019.

#### Violation Details

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

#### Enforcement Details

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

#### Enforcement Details

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**

**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL



**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 261.5  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960326  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.50-56.D  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224

**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**



**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER

**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000  
  
**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**

**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A

**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19941228  
**Scheduled Compliance Date:**



**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940117  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19941228  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General

**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19900613  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA



**Proposed Penalty Amount:**

**Final Amount:**

**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**

**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19880817  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA

**Proposed Penalty Amount:**

**Final Amount:**

**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19880817  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**



**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Violation Details**

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Evaluation Details**

**Evaluation Start Date:** 19980114  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19960326  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19960927  
**Evaluation Agency:** State

**Evaluation Start Date:** 19950330  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19950501  
**Evaluation Agency:** State

**Evaluation Start Date:** 19931117  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19940117

<b>Evaluation Agency:</b>	State
<b>Evaluation Start Date:</b>	19921026
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	LDR - General
<b>Return to Compliance Date:</b>	19940926
<b>Evaluation Agency:</b>	State
<b>Evaluation Start Date:</b>	19921026
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19940926
<b>Evaluation Agency:</b>	State
<b>Evaluation Start Date:</b>	19921026
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	Generators - General
<b>Return to Compliance Date:</b>	19940926
<b>Evaluation Agency:</b>	State
<b>Evaluation Start Date:</b>	19920917
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	
<b>Return to Compliance Date:</b>	
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19920617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19921209
<b>Evaluation Agency:</b>	EPA Contractor/Grantee
<b>Evaluation Start Date:</b>	19910617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	Generators - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19910617
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19900613
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General
<b>Return to Compliance Date:</b>	19911125
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - Closure/Post-Closure
<b>Return to Compliance Date:</b>	19900613
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19890711
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	LDR - General
<b>Return to Compliance Date:</b>	19900613
<b>Evaluation Agency:</b>	EPA
<b>Evaluation Start Date:</b>	19880817
<b>Evaluation Type Description:</b>	COMPLIANCE EVALUATION INSPECTION ON-SITE
<b>Violation Short Description:</b>	TSD - General

**Return to Compliance Date:** 19890711  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19880817  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Return to Compliance Date:** 19890711  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19870305  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19880817  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19870305  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19880817  
**Evaluation Agency:** EPA

#### **Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### **Hazardous Waste Handler Details**

**Sequence No:** 6  
**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

#### **Waste Code Details**

**Hazardous Waste Code:** D040  
**Waste Code Description:** TRICHLORETHYLENE

#### **Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

#### **Hazardous Waste Handler Details**

**Sequence No:** 5  
**Receive Date:** 20001012  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 4  
**Receive Date:** 19990415  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19960901  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 3  
**Receive Date:** 19960131  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 19940330  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19931026  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Notification

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19920229  
**Handler Name:** MCAS EL TORO FMD 1JG B.368  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Owner/Operator Details**

**Owner/Operator Ind:** Current Operator  
**Type:** Federal  
**Name:** MCAS EL TORO  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 714-726-2821  
**Source Type:** Implementer

**Street No:**  
**Street 1:** FACILITIES MGMT DEPT 1JG  
**Street 2:**  
**City:** SANTA ANA  
**State:** CA  
**Country:**  
**Zip Code:** 92709

**Owner/Operator Ind:** Current Owner  
**Type:** Federal  
**Name:** U.S. MARINE CORPS  
**Date Became Current:** 19430317  
**Date Ended Current:**  
**Phone:**

**Street No:**  
**Street 1:**  
**Street 2:**  
**City:**  
**State:**  
**Country:** US



<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Federal	<b>Street 1:</b>	
<b>Name:</b>	U.S. MARINE CORPS	<b>Street 2:</b>	
<b>Date Became Current:</b>	19430317	<b>City:</b>	
<b>Date Ended Current:</b>		<b>State:</b>	
<b>Phone:</b>		<b>Country:</b>	US
<b>Source Type:</b>	Annual/Biennial Report	<b>Zip Code:</b>	

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Federal	<b>Street 1:</b>	PO BOX 95001
<b>Name:</b>	USMC AIR STATION EL TORO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SANTA ANA
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-726-3705	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	92709-5001

**Site:** MARINE CORPS AIR STATION, EL TORO  
MCAS EL TORO EL TORO CA 92709

RCRA TSD

**EPA Handler ID:** CA6170023208  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** EDWARD L NUNN  
**Contact Address:** US  
**Contact Phone No and Ext:** 619-572-1404  
**Contact Email:**  
**Contact Country:** US  
**Land Type:** Federal  
**County Name:** ORANGE  
**EPA Region:** 09  
**Receive Date:** 20020129

#### Violation/Evaluation Summary

**Note:** VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Mar, 2019.

#### Violation Details

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

#### Enforcement Details

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520

**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19970520  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19980114  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19970520  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.40-43.D

**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 261.5  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960327  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** F - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19960326  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19960927  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19960327  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**



**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.50-56.D  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19950419  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19950501  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19950419  
**Enf Disposition Status:**  
**Disposition Status Date:**

**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209

**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**

**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000  
  
**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State



**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19930426  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:** 42000  
**Paid Amount:** 42000

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19930310  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:** 80500  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.70-77.E  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**

**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921209  
**Scheduled Compliance Date:** 19921224  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940926  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921209  
**Enf Disposition Status:**  
**Disposition Status Date:**

**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19941228  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19940117  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19941228  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19921005  
**Scheduled Compliance Date:** 19931229  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921209  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL

**Enforcement Action Date:** 19921009  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.50-60  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.30-34.C  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.170-177.I  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**



**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.30-37.C  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.20-23.B  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 262.40-43.D  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.10-18.B  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19910930  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19911021  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19900613  
**Scheduled Compliance Date:**

**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19911125  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210



**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19890711  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19900613  
**Violation Responsible Agency:** EPA

#### Enforcement Details

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19890817  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

#### Violation Details

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19880817

**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 264.110-120.G  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Violation Type:** 264.G  
**Violation Determined Date:** 19880817  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19890711  
**Violation Responsible Agency:** EPA

**Enforcement Details**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19900928  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 210  
**Enforcement Type Description:** INITIAL 3008(A) COMPLIANCE  
**Enforcement Action Date:** 19900806  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**

**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19881117  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** EPA  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Citation:** FR - 268 ALL  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Violation Details**

**Citation:** FR - 270  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Violation Details**

**Citation:** FR - 268.7  
**Violation Short Description:** LDR - General  
**Violation Type:** 268.A  
**Violation Determined Date:** 19870305  
**Scheduled Compliance Date:**  
**Return to Compliance:** Unverifiable  
**Actual Return to Compl:** 19880817  
**Violation Responsible Agency:** EPA

**Evaluation Details**

**Evaluation Start Date:** 19980114  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19970520  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19980114  
**Evaluation Agency:** State

**Evaluation Start Date:** 19960326  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General

**Return to Compliance Date:** 19960927  
**Evaluation Agency:** State

**Evaluation Start Date:** 19950330  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19950501  
**Evaluation Agency:** State

**Evaluation Start Date:** 19931117  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19940117  
**Evaluation Agency:** State

**Evaluation Start Date:** 19921026  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19940926  
**Evaluation Agency:** State

**Evaluation Start Date:** 19921026  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19940926  
**Evaluation Agency:** State

**Evaluation Start Date:** 19921026  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19940926  
**Evaluation Agency:** State

**Evaluation Start Date:** 19920917  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19920617  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19921209  
**Evaluation Agency:** EPA Contractor/Grantee

**Evaluation Start Date:** 19910617  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19911125  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19910617  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19911125  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19900613  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19911125  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19890711  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19911125  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19890711  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE



**Violation Short Description:** TSD - Closure/Post-Closure  
**Return to Compliance Date:** 19900613  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19890711  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19900613  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19880817  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - Closure/Post-Closure  
**Return to Compliance Date:** 19890711  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19880817  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19890711  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19870305  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** LDR - General  
**Return to Compliance Date:** 19880817  
**Evaluation Agency:** EPA

**Evaluation Start Date:** 19870305  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION ON-SITE  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19880817  
**Evaluation Agency:** EPA

#### **Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Smelting, Melting and Refining:** No  
**Underground Injection Control:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### **Hazardous Waste Handler Details**

**Sequence No:** 6  
**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

#### **Waste Code Details**

**Hazardous Waste Code:** D040  
**Waste Code Description:** TRICHLORETHYLENE

#### **Hazardous Waste Handler Details**

**Sequence No:** 2

**Receive Date:** 20020129  
**Handler Name:** MARINE CORPS AIR STATION, EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 5  
**Receive Date:** 20001012  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 4  
**Receive Date:** 19990415  
**Handler Name:** MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19960901  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 3  
**Receive Date:** 19960131  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 19940330  
**Handler Name:** USMC MCAS EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19931026  
**Handler Name:** USMC AIR STATION EL TORO  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Notification

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19920229  
**Handler Name:** MCAS EL TORO FMD 1JG B.368  
**Generator Status Universe:** Small Quantity Generator  
**Source Type:** Annual/Biennial Report

**Owner/Operator Details**

**Owner/Operator Ind:** Current Operator

**Street No:**

<b>Type:</b>	Federal	<b>Street 1:</b>	FACILITIES MGMT DEPT 1JG
<b>Name:</b>	MCAS EL TORO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SANTA ANA
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-726-2821	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	92709
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Federal	<b>Street 1:</b>	
<b>Name:</b>	U.S. MARINE CORPS	<b>Street 2:</b>	
<b>Date Became Current:</b>	19430317	<b>City:</b>	
<b>Date Ended Current:</b>		<b>State:</b>	
<b>Phone:</b>		<b>Country:</b>	US
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Federal	<b>Street 1:</b>	PO BOX 95001
<b>Name:</b>	USMC AIR STATION EL TORO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SANTA ANA
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-726-3705	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	92709-5001
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Federal	<b>Street 1:</b>	
<b>Name:</b>	U.S. MARINE CORPS	<b>Street 2:</b>	
<b>Date Became Current:</b>	19430317	<b>City:</b>	
<b>Date Ended Current:</b>		<b>State:</b>	
<b>Phone:</b>		<b>Country:</b>	US
<b>Source Type:</b>	Annual/Biennial Report	<b>Zip Code:</b>	

## Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

### Standard Environmental Record Sources

#### Federal

##### National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

**Government Publication Date:** Apr 11, 2019

##### National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

**Government Publication Date:** Apr 11, 2019

##### Deleted NPL:

DELETED NPL

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.

**Government Publication Date:** Apr 11, 2019

##### SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

**Government Publication Date:** Apr 11, 2019

##### Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date:** Jun 1985

##### SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

**Government Publication Date:** Apr 11, 2019



## **Comprehensive Environmental Response, Compensation and Liability Information System -**

CERCLIS

### **CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

### **EPA Report on the Status of Open Dumps on Indian Lands:**

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

### **CERCLIS - No Further Remedial Action Planned:**

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

**Government Publication Date: Oct 25, 2013**

### **CERCLIS Liens:**

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Jan 30, 2014**

### **RCRA CORRACTS-Corrective Action:**

RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Mar 4, 2019**

### **RCRA non-CORRACTS TSD Facilities:**

RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

**Government Publication Date: Mar 4, 2019**

### **RCRA Generator List:**

RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Mar 4, 2019**

### **RCRA Small Quantity Generators List:**

RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Mar 4, 2019**

**RCRA Conditionally Exempt Small Quantity Generators List:**[RCRA CESQG](#)

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

**Government Publication Date:** Mar 4, 2019

**RCRA Non-Generators:**[RCRA NON GEN](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date:** Mar 4, 2019

**Federal Engineering Controls-ECs:**[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Sep 20, 2018

**Federal Institutional Controls- ICs:**[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

**Government Publication Date:** Sep 20, 2018

**Emergency Response Notification System:**[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1982-1986

**Emergency Response Notification System:**[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1987-1989

**Emergency Response Notification System:**[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Mar 21, 2019

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**[FED BROWNFIELDS](#)

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Jan 11, 2019

**FEMA Underground Storage Tank Listing:**[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date:** Dec 31, 2017

**Petroleum Refineries:**

REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date:** Jul 17, 2018

**Petroleum Product and Crude Oil Rail Terminals:**

BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date:** Jan 18, 2019

**LIEN on Property:**

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

**Government Publication Date:** Apr 11, 2019

**Superfund Decision Documents:**

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

**Government Publication Date:** Apr 11, 2019

**State****State Response Sites:**

RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

**Government Publication Date:** Mar 11, 2019

**EnviroStor Database:**

ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

**Government Publication Date:** Mar 11, 2019

**Delisted State Response Sites:**

DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

**Government Publication Date:** Mar 11, 2019

**Solid Waste Information System (SWIS):**

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

**Government Publication Date:** May 13, 2019

**EnviroStor Hazardous Waste Facilities:**

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

**Government Publication Date:** Mar 11, 2019

**Land Disposal Sites:**

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

**Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:**

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

**Leaking Underground Fuel Tank Reports:**

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Apr 10, 2019

**Delisted Leaking Storage Tanks:**

DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Apr 10, 2019

**Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:**

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

**Permitted Underground Storage Tank (UST) in GeoTracker:**

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: May 1, 2019

**Proposed Closure of Underground Storage Tank Cases:**

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Mar 11, 2019

**Historical Hazardous Substance Storage Information Database:**

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

**Aboveground Storage Tanks:**

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

**Delisted Storage Tanks:**

DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: May 1, 2019

**California Environmental Reporting System (CERS) Tanks:**

CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.



**Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:**

[LUR](#)

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Mar 11, 2019

**Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:**

[HLUR](#)

The Department of Toxic Substances Control (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.

Government Publication Date: Apr 17, 2019

**Deed Restrictions and Land Use Restrictions:**

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Apr 17, 2019

**Voluntary Cleanup Program:**

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Mar 11, 2019

**GeoTracker Cleanup Program Sites:**

[CLEANUP SITES](#)

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Apr 17, 2019

**Delisted California Environmental Reporting System (CERS) Tanks:**

[DELISTED CTNK](#)

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: May 6, 2019

**Historical Hazardous Substance Storage Container Information - Facility Summary:**

[HIST TANK](#)

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

**Tribal**

**Leaking Underground Storage Tanks (LUSTs) on Indian Lands:**

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

**Underground Storage Tanks (USTs) on Indian Lands:**

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

**Delisted Tribal Leaking Storage Tanks:**

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

**Government Publication Date:** Oct 14, 2017

**Delisted Tribal Underground Storage Tanks:**

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

**Government Publication Date:** Oct 14, 2017

**County****Delisted County Records:**

DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

**Government Publication Date:** Jun 1, 2019

**Orange County - Anaheim City UST Cleanup Cases:**

UST CLEANUP

A list of UST Cleanup Cases in the City of Anaheim in Orange County. As part of its Groundwater Protection Program, the City of Anaheim managed the UST Cleanup Oversight Program from April 1991 to June 2014. This list is published by the City of Anaheim Underground Storage Tank Cleanup Program.

**Government Publication Date:** May 26, 2015

**Orange County - Anaheim City AST List:**

ANAHEIM AST

List of Aboveground Storage Tanks (ASTs) in Anaheim City, Orange County made available by Anaheim Fire & Rescue.

**Government Publication Date:** Mar 7, 2019

**Orange County - Anaheim City UST List:**

ANAHEIM UST

A list of Underground Storage Tanks in Anaheim City, Orange County. This list is made available by Anaheim Fire & Rescue Department.

**Government Publication Date:** Mar 7, 2019

**Orange County - Aboveground Petroleum Storage Tank Listing:**

ORANGE AST

A list of Aboveground Petroleum Storage Tank (APST) facilities inspected by Orange County Certified Unified Program Agency (CUPA) Under the Aboveground Petroleum Storage Act (APSA). This list is made available by the Environmental Health Division of Orange County Health Care Agency.

**Government Publication Date:** May 1, 2019

**Orange County - LOP Lead Cases List:**

ORANGE LOP

The Local Oversight Program of the County of Orange provides regulatory cleanup oversight for cleanup of leaking underground storage tanks (USTs). This dataset is provided by the Orange County Health Care Agency.

**Government Publication Date:** May 1, 2019

**Orange County - Underground Storage Tanks Listing:**

UST ORANGE CNTY

A list of registered Underground Storage Tank (UST) sites in Orange County. This list is made available by Orange County Health Care Agency (OCHCA), Environmental Health Division which oversees the underground storage tank inspection program in most of the cities of Orange County, with the exception of Anaheim, Fullerton, and Orange.

**Government Publication Date:** May 7, 2019

**Additional Environmental Record Sources****Federal****Facility Registry Service/Facility Index:**

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

**Toxics Release Inventory (TRI) Program:**

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

**Hazardous Materials Information Reporting System:**

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

**National Clandestine Drug Labs:**

NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

Government Publication Date: Jul 18, 2018

**Toxic Substances Control Act:**

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

**Hist TSCA:**

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

**FTTS Administrative Case Listing:**

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

**FTTS Inspection Case Listing:**

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

**Potentially Responsible Parties List:**

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Dec 20, 2018

**State Coalition for Remediation of Drycleaners Listing:**

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

**ICIS**

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

**Government Publication Date: Nov 18, 2016**

**Drycleaner Facilities:**

**FED DRYCLEANERS**

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: May 29, 2018**

**Delisted Drycleaner Facilities:**

**DELISTED FED DRY**

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: May 29, 2018**

**Formerly Used Defense Sites:**

**FUDS**

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

**Government Publication Date: Oct 23, 2018**

**Material Licensing Tracking System (MLTS):**

**MLTS**

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date: Nov 1, 2018**

**Historic Material Licensing Tracking System (MLTS) sites:**

**HIST MLTS**

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date: Jan 31, 2010**

**Mines Master Index File:**

**MINES**

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

**Government Publication Date: Nov 30, 2018**

**Alternative Fueling Stations:**

**ALT FUELS**

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

**Government Publication Date: Apr 8, 2019**

**Registered Pesticide Establishments:**

**SSTS**

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

**Government Publication Date: Sep 1, 2018**



**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date:** Mar 20, 2019

**State****Dry Cleaning Facilities:**

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

**Government Publication Date:** Apr 16, 2019

**Delisted Drycleaners:**

DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

**Government Publication Date:** Apr 16, 2019

**Non-Toxic Dry Cleaning Incentive Program:**

DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

**Government Publication Date:** Feb 28, 2018

**Hazardous Waste and Substances Site List - Site Cleanup:**

HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

**Government Publication Date:** Apr 23, 2019

**List of Hazardous Waste Facilities Subject to Corrective Action:**

DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

**Government Publication Date:** Jul 18, 2016

**EnviroStor Inspection, Compliance, and Enforcement:**

INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

**Government Publication Date:** Apr 19, 2019

**School Property Evaluation Program Sites:**

SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

**Government Publication Date:** Mar 11, 2019

**California Hazardous Material Incident Report System (CHMIRS):**

CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date:** Apr 2, 2019

**Hazardous Waste Manifest Data:**

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

**Government Publication Date:** Oct 24, 2016

**Historical California Hazardous Material Incident Report System (CHMIRS):**

[HIST CHMIRS](#)

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date:** Jan 1, 1993

**Historical Hazardous Waste Manifest Data:**

[HIST MANIFEST](#)

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

**Government Publication Date:** Dec 31, 1992

**Historical Cortese List:**

[HIST CORTESE](#)

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

**Government Publication Date:** Nov 13, 2008

**Cease and Desist Orders and Cleanup and Abatement Orders:**

[CDO/CAO](#)

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

**Government Publication Date:** Feb 16, 2012

**California Environmental Reporting System (CERS) Hazardous Waste Sites:**

[CERS HAZ](#)

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

**Government Publication Date:** May 6, 2019

**Delisted Environmental Reporting System (CERS) Hazardous Waste Sites:**

[DELISTED HAZ](#)

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

**Government Publication Date:** Nov 29, 2018

**Sites in GeoTracker:**

[GEOTRACKER](#)

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

**Government Publication Date:** Apr 17, 2019

**Waste Discharge Requirements:**

[WASTE DISCHG](#)

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

**Government Publication Date:** Apr 10, 2019

**Toxic Pollutant Emissions Facilities:**

[EMISSIONS](#)

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

**Clandestine Drug Lab Sites:**

CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

Government Publication Date: Dec 31, 2017

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

**Orange County - Industrial Cleanup Program Cases Listing:**

ORANGE ICP

Orange County Health Care Agency's Environmental Health Division has an Industrial Cleanup (IC) program which oversees the voluntary cleanup of contaminated property. This is a list of cases (by city) which the IC program has overseen in the past, or is currently overseeing.

Government Publication Date: May 1, 2019

**Orange County - Hazardous Waste Facilities:**

ORANGE HW

A list of Hazardous Waste Facilities in Orange County. This list is made available by Orange County Environmental Health Department.

Government Publication Date: May 1, 2019

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



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## Appendix G - Dry Cleaner Reports

# Appendix F



**C. JAMES & ASSOCIATES, INC.**

“Protecting America’s Resources”

**Mailing Address**

PO Box 4832  
Oceanside, California 92052

760.722.0050

April 15, 2019

Mr. Rod Valverde  
Milan Capital Management/Pelican Investments, LLC  
681 South Parker Street, Suite 270  
Orange, California 92868

**RE:    1<sup>st</sup> QTR 2019 Groundwater Monitoring Report**  
**FORMER CROWN CLEANERS SITE**  
**24601 Raymond Way**  
**Lake Forest, California**  
**SARWQCB Case No. 2080155**  
**Global ID: T10000009409**

Dear Mr. Valverde:

As requested, C. James and Associates, Inc (CJA) is pleased to present this *Quarterly Monitoring Report* for the above referenced site. CJA was contracted to conduct the groundwater monitoring and sampling at the site as required by Santa Ana Regional Water Quality Control Board (SARWQCB).

**Background**

The subject site is a former dry cleaning establishment known as Crown Cleaners that was located in a tenant suite in the Carlen Plaza shopping center from the 1970s through 2010, when the suite was vacated and the dry cleaning equipment was removed. This suite is currently occupied by Impressions Beauty Salon and Supply. Environmental investigations initiated in 2009 identified subsurface impacts from PCE, a common dry cleaning solvent. Results of these investigations indicated soil was impacted with PCE below the approximate groundwater interface located at about 22-24 feet below grade (recently dropping to about 25-26 feet below grade).

The plume of impacted groundwater is centered near the removed dry cleaning equipment and extends radially from the release zone. Typically the near-source wells located inside the structure have greater than 100 µg/L dissolved PCE, with maximum concentrations frequently greater than 500 µg/L. In May 2017, a series of in-situ groundwater samples were obtained in plume-perimeter locations outside the building to attempt to define the lateral and vertical extents of groundwater contamination. Results indicated none of the samples collected north, south or west of the building had significant concentrations of VOC, essentially defining the extent of dissolved contamination in these directions. One sample (GW9), located east of the heart of the plume had 33 µg/L PCE from a

depth range of 24 to 27 feet below grade. Slightly deeper samples (29-32 feet) in this same location did not have detectable levels of PCE.

Interim remedial action operations were conducted at the property in an attempt to reduce PCE concentrations in soil, soil vapor, and groundwater near the release zone. A vapor extraction/dual phase extraction system operated at the site from July 2014 to May 2017, when the system was shut down pending a soil gas testing event. The system was not restarted until February 2018, after installation of well VE1 and preliminary pilot testing indicated the system could be operated with improved effectiveness. Operation, sampling, and reporting on the dual phase extraction system performance are conducted by CJA and submitted under separate cover.

The current work presents the results of quarterly groundwater monitoring and sampling at the site. Results indicate the groundwater conditions are similar to previous results and additional treatment will be required to reduce the dissolved concentrations to acceptable levels.

### **Groundwater Monitoring and Sampling**

On March 20, 2019, eleven of the 12 groundwater monitoring wells were purged and sampled under the supervision of CJA personnel. Well MW10 was dry at the time of sampling. Groundwater levels in the wells ranged from 19.82 to 25.93 feet bgs. Groundwater monitoring and sampling of the wells was conducted by Blaine Tech Services, Inc. The groundwater sampling event was performed using low-flow purging techniques, as required by SARWQCB for this site.

The depth to groundwater measurements were obtained using an electronic water level probe recorded to the nearest 0.01-foot, and groundwater elevations were determined relative to the North American Vertical Datum of 1988 (NAVD 88). All submerged portions of the water level probe(s) were washed in a detergent solution and rinsed with water between measurements. The wells were prepared and sampled using low-flow (minimal drawdown) sampling procedures are described in USEPA's "Ground Water Issue, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures" (Puls & Barcelona, April 1996). The wells were purged with a variable flow rate pump at a rate of approximately 0.1 liters per minute. Groundwater temperature, pH, conductivity, turbidity, dissolved oxygen, and oxygen-reduction potential were monitored during purging. Upon reaching parameter stability as defined in Section G of USEPA's "Ground Water Issue, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures," groundwater samples were recovered and placed in laboratory supplied containers appropriate for the required analyses. The sample containers were immediately sealed, labeled, and stored on ice pending delivery to a State certified analytical laboratory. All pumping and sampling equipment was washed in a detergent solution and rinsed with water between purging/sampling events. The Field Data Sheets from the well sampling activities are presented in Appendix A.

**24601 Raymond Way  
Lake Forest, California**

Results of groundwater monitoring indicated the groundwater levels are generally consistent with the historical record. The groundwater gradient was measured to be approximately 0.008 to the northeast (Figure 1).

The groundwater samples were delivered under proper chain-of custody procedures to Advanced Technology Laboratories, a State-certified laboratory. The samples were analyzed for volatile organics by EPA Method 8260B.

The results indicated that 4 of the 11 wells available for sampling (MW2, MW4, MW5, and MW8) had greater than 100 µg/L PCE with a maximum of 420 µg/L detected in wells MW4 and MW5. The remaining wells had a maximum of 93 µg/L PCE as found in well MW1. Upgradient wells MW11 and MW12 had less than detectable levels of PCE. The current groundwater sampling data is summarized in Table 1. The historical groundwater monitoring and sampling data are presented in Table 2. The distribution of dissolved PCE in groundwater is shown on Figure 2. The current laboratory report and chain-of-custody are presented in Appendix B.

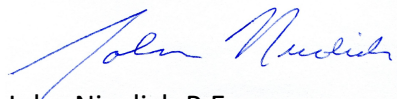
Should you have any questions, please do not hesitate to contact C. James & Associates, Inc..

Sincerely,

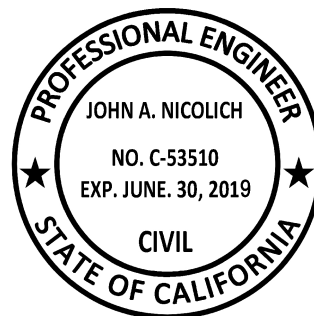
**C. James & Associates, Inc.**



Michael Anselmo  
Engineering Manager



John Nicolich P.E.





## TABLES

**TABLE 1**  
**Summary of Current Groundwater Sampling Results (µg/L)**

Sample ID	DTW	PCE	TCE	Other VOC
Sampled March 20,2019				
MW1	25.21	93	ND<0.5	ND
MW2	25.12	240	ND<0.5	ND
MW3	25.48	74	ND<0.5	ND
MW4	24.92	420	ND<0.5	ND
MW5	25.93	420	ND<0.5	ND
MW6	25.30	85	ND<0.5	ND
MW7	24.11	40	ND<0.5	ND
MW8	25.14	390	0.64	ND
MW9	25.82	20	ND<0.5	ND
MW10	Dry	--	--	--
MW11	19.98	ND<0.5	ND<0.5	ND
MW12	19.82	ND<0.5	ND<0.5	ND
<b>MCL</b>		<b>5</b>	<b>5</b>	<b>--</b>

Notes: Please refer to laboratory report for complete results.

**TABLE 2**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW1 402.87	07/07/11	21.23	381.64	39.50	13	<0.5	ND
	12/30/11	21.27	381.60	39.50	17	<0.5	ND
	03/22/12	22.47	380.40	39.50	510	<0.5	ND
	06/27/12	22.56	380.31	39.50	770	<0.5	ND
	09/28/12	22.54	380.33	39.50	310	<0.5	ND
	12/20/12	22.77	380.10	39.50	590	<0.5	ND
	03/19/13	23.03	379.84	39.50	310	1.2	ND
	06/12/13	22.52	380.35	39.50	210	<0.5	ND
	09/25/13	Not	Sampled		Inaccessible		
	03/21/14	23.41	379.46	39.50	300	<0.5	ND
	06/16/14	24.12	378.75	39.50	530	<0.5	ND
	09/26/14	23.78	379.09	39.50	340	<0.5	ND
	12/29/14	24.08	378.79	39.48	150	<0.5	ND
	03/26/15	24.10	378.77	39.50	200	<0.5	ND
	06/30/15	24.35	378.52	39.46	170	<0.5	ND
	09/29/15	24.67	378.2	39.45	150	0.51	ND
	12/29/15	24.22	378.65	39.46	300	<0.5	ND
	03/22/16	25.12	377.75	39.48	160	<0.5	ND
	06/21/16	25.20	377.67	39.45	200	<0.5	ND
	09/27/16	25.06	377.81	39.45	1.4	<0.5	ND
	12/29/16	25.70	377.17	39.45	84	<0.5	ND
	3/20/17	24.12	378.75	37.47	100	<0.5	ND
	6/20/17	24.43	378.44	38.04	77	<0.5	ND
	9/29/17	24.22	378.65	37.45	70	<0.5	ND
	12/28/17	24.74	378.13	40.17	57	<0.5	ND
	3/09/18	25.12	377.75	37.45	200	<0.5	ND
	6/27/18	25.86	377.01	39.80	33	<0.5	ND
	9/13/18	25.95	376.92	39.86	67	<0.5	ND
	12/26/18	26.17	376.70	39.75	110	<0.5	ND
	3/20/19	25.21	377.66	40.14	93	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW2 403.11	07/07/11	21.45	381.66	39.78	140	<0.5	ND
	12/30/11	21.52	381.59	39.75	160	<0.5	ND
	03/22/12	22.71	380.40	39.74	880	<0.5	ND
	06/27/12	22.78	380.33	39.74	680	<0.5	ND
	09/28/12	Not	Sampled		Inaccessible		
	12/20/12	23.02	380.09	39.75	1800	<0.5	ND
	03/19/13	23.39	379.72	39.75	1400	2.5	ND
	06/12/13	23.65	379.46	39.75	1200	1.2	ND
	09/25/13	23.36	379.75	39.75	1100	1.6	ND
	03/21/14	23.64	379.47	39.74	1400	<0.5	ND
	06/16/14	23.87	379.24	39.75	990	<0.5	ND
	09/26/14	23.42	379.69	39.73	720	<0.5	ND
	12/29/14	Not	Sampled		Inaccessible	---	
	03/26/15	24.31	378.80	39.75	440	<0.5	ND
	06/30/15	24.50	378.61	39.72	470	<0.5	ND
	09/29/15	24.25	378.86	39.72	410	<1	ND
	12/29/15	24.08	379.03	39.71	370	<0.5	ND
	03/22/16	25.19	377.92	39.74	550	0.50	ND
	06/21/16	25.20	377.91	39.72	470	<1.0	ND
	09/27/16	25.01	378.10	39.70	270	<1.0	ND
	12/29/16	26.01	377.10	39.70	230	<1.0	ND
	3/20/17	24.34	378.77	39.20	84	<1.0	ND
	6/20/17	24.09	379.02	39.05	520	<0.5	ND
	9/29/17	24.37	378.74	37.20	600	<0.5	ND
	12/28/17	25.38	377.73	37.17	500	<0.5	ND
	3/09/18	25.19	377.92	37.18	530	<0.5	ND
	6/27/18	25.98	377.13	36.98	14	<0.5	ND
	9/13/18	26.15	376.96	36.76	140	<0.5	ND
	12/26/18	26.47	376.64	37.15	130	<0.5	ND
	3/20/19	25.12	377.99	35.61	240	<0.5	ND



**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW3 403.47	07/07/11	21.83	381.64	30.99	1200	1.2	ND
	12/30/11	21.94	381.53	30.05	1400	2.4	ND
	03/22/12	23.08	380.39	30.05	2100	8.8	ND
	06/27/12	23.14	380.33	30.06	1900	8.8	ND
	09/28/12	Not	Sampled		inaccessible		--
	12/20/12	23.38	380.09	30.05	2000	8.8	ND
	03/19/13	23.79	379.68	30.05	790	2.4	ND
	06/12/13	23.81	379.66	30.05	1300	3.8	ND
	09/25/13	23.45	380.02	30.06	2000	7.6	ND
	03/21/14	24.12	379.35	30.02	1100	5.2	ND
	06/16/14	24.37	379.10	30.00	2200	5.2	ND
	09/26/14	24.53	378.94	30.02	960	3.1	ND
	12/29/14	Not	Sampled	---	inaccessible	---	--
	03/26/15	24.60	378.87	30.00	590	<0.5	ND
	06/30/15	25.00	378.47	30.00	1600	1.5	ND
	09/29/15	24.40	379.07	30.00	1700	<2.5	ND
	12/29/15	24.47	379.00	30.00	1000	<2.5	ND
	03/22/16	25.61	377.86	30.00	950	<0.5	ND
	06/21/16	25.68	377.79	30.00	1200	<2.5	ND
	09/27/16	25.11	378.36	30.01	310	<1.0	ND
	12/29/16	26.25	377.22	30.00	540	<1.0	ND
	3/20/17	24.80	378.67	28.48	630	1.0	ND
	6/20/17	24.27	379.20	28.47	430	<1.0	ND
	9/29/17	24.84	378.63	28.43	100	0.57	ND
	12/28/17	25.48	377.99	28.59	290	0.52	ND
	3/09/18	25.66	377.81	28.45	350	<0.5	ND
	6/27/18	26.17	377.30	28.34	37	<0.5	ND
	9/13/18	26.52	376.95	28.58	340	<0.5	ND
	12/26/18	26.79	376.68	28.42	560	<0.5	ND
	3/20/19	25.48	377.99	28.31	74	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW4 402.99	07/07/11	21.35	381.64	33.11	1300	<0.5	ND
	12/30/11	21.47	381.52	33.10	1600	6.4	ND
	03/22/12	22.58	380.41	33.12	3800	8.3	ND
	06/27/12	22.84	380.15	33.10	2400	2.6	ND
	09/28/12	22.58	380.41	33.11	970	1.2	ND
	12/20/12	22.90	380.09	33.10	3200	2.6	ND
	03/19/13	23.10	379.89	33.10	3800	3.2	ND
	06/12/13	23.15	379.84	33.10	3400	1.0	ND
	09/25/13	23.23	379.76	33.12	3300	1.6	ND
	03/21/14	23.40	379.59	33.10	4000	<0.5	ND
	06/16/14	23.78	379.21	33.09	4100	<0.5	ND
	09/26/14	24.01	378.98	33.08	3000	<0.5	ND
	12/29/14	Not	Sampled	---	Inaccessible	---	--
	03/26/15	24.10	378.89	33.10	3400	<0.5	ND
	06/30/15	24.35	378.64	33.08	1500	<0.5	ND
	09/29/15	24.24	378.75	33.05	1400	<2	ND
	12/29/15	24.17	378.82	33.09	1600	<2.5	ND
	03/22/16	24.15	378.84	33.09	1100	<0.5	ND
	06/21/16	24.28	378.71	33.05	1500	<2.5	ND
	09/27/16	24.18	378.81	33.06	490	<1.0	ND
	12/29/16	25.65	377.34	33.01	470	<1.0	ND
	3/20/17	24.11	378.88	30.37	280	<1.0	ND
	6/20/17	23.91	379.08	30.50	680	<1.0	ND
	9/29/17	24.18	378.81	29.83	270	<0.5	ND
	12/28/17	24.76	378.23	29.77	260	<0.5	ND
	3/09/18	25.06	377.93	30.35	470	<0.5	ND
	6/27/18	25.80	377.19	29.91	32	<0.5	ND
	9/13/18	25.98	377.01	29.63	180	<0.5	ND
	12/26/18	26.29	376.70	29.97	320	<0.5	ND
	3/20/19	24.92	378.07	29.55	420	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW5 403.36	01/26/12	22.85	380.51	29.85	841	<0.5	ND
	03/22/12	22.96	380.40	29.85	1100	<0.5	ND
	06/27/12	23.01	380.35	29.85	1400	<0.5	ND
	09/28/12	23.00	380.36	29.84	510	2.2	ND
	12/20/12	23.29	380.07	29.85	820	<0.5	ND
	03/19/13	23.68	379.68	29.85	740	<0.5	ND
	06/12/13	23.78	379.58	29.83	780	4.7	ND
	09/25/13	23.89	379.47	29.81	620	5.1	ND
	03/21/14	23.96	379.40	29.80	790	4.4	ND
	06/16/14	23.90	379.46	29.80	830	4.4	ND
	09/26/14	23.98	379.38	27.54	610	2.7	ND
	12/29/14	24.62	378.74	28.56	520	1.7	ND
	03/26/15	24.54	378.82	28.60	300	<0.5	ND
	06/30/15	24.98	378.38	28.58	1400	<0.5	ND
	09/29/15	24.75	378.61	28.60	330	<0.5	ND
	12/29/15	24.68	378.68	28.75	390	<0.5	ND
	03/22/16	24.88	378.48	28.70	360	<0.5	ND
	06/21/16	25.01	378.35	28.75	390	<0.5	ND
	09/27/16	24.86	378.50	28.74	450	<0.5	ND
	12/29/16	24.98	378.38	28.73	170	<0.5	ND
	3/20/17	24.77	378.59	28.60	620	<0.5	ND
	6/20/17	24.48	378.88	27.76	470	<1.0	Chl-ethane=21
	9/29/17	24.79	378.57	27.70	100	<0.5	ND
	12/28/17	25.32	378.04	27.78	640	<0.5	ND
	3/09/18	25.50	377.86	27.60	180	<0.5	ND
	6/27/18	26.15	377.21	27.73	14	<0.5	ND
	9/13/18	26.58	376.78	27.95	150	<0.5	Chlorfm=2.5
	12/26/18	26.80	376.56	27.42	120	<0.5	ND
	3/20/19	25.93	377.43	27.49	420	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW6 403.40	03/26/12	22.97	380.43	29.90	1400	1.8	ND
	03/22/12	22.99	380.41	29.91	2400	<0.5	ND
	06/27/12	23.02	380.38	29.90	2000	<0.5	ND
	09/28/12	23.10	380.30	29.89	260	4.0	ND
	12/20/12	23.41	379.99	29.90	1100	<0.5	ND
	03/19/13	23.69	379.71	29.90	710	20	ND
	06/13/13	23.70	379.70	29.89	810	36	ND
	09/25/13	23.81	379.59	29.90	770	61	ND
	03/21/14	23.93	379.47	29.75	1200	63	ND
	06/16/14	23.85	379.55	29.78	1400	63	ND
	09/26/14	23.75	379.65	29.70	1100	52	ND
	12/29/14	24.48	378.92	29.70	960	14	ND
	03/26/15	24.56	378.84	29.74	1200	2.5	ND
	06/30/15	24.70	378.70	29.75	1100	<0.5	ND
	09/29/15	24.67	378.73	29.75	530	<1	ND
	12/29/15	24.51	378.89	29.76	35	<0.5	ND
	03/22/16	---	---	25.80	Dry	---	--
	06/21/16	24.75	378.65	28.74	3.7	<0.5	ND
	09/27/16	24.66	378.74	28.77	<0.5	<0.5	ND
	12/29/16	24.80	378.60	28.75	0.61	<0.5	ND
	3/20/17	25.31	378.09	25.53	--	--	--
	6/20/17	24.34	379.06	25.47	140	<0.5	ND
	9/29/17	--	--	25.51	Dry	--	--
	12/28/17	25.22	378.18	28.60	140	<0.5	ND
	3/09/18	25.53	377.87	28.60	210	<0.5	ND
	6/27/18	26.15	377.25	28.79	11	<0.5	ND
	9/13/18	26.41	376.99	28.69	42	<0.5	ND
	12/26/18	26.65	376.75	28.25	190	<0.5	ND
	3/20/19	25.30	378.10	28.32	85	<0.5	ND



**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW7 402.49	03/22/12	22.05	380.44	34.75	63	<0.5	ND
	06/27/12	22.06	380.43	34.75	120	<0.5	ND
	09/28/12	22.01	380.48	34.75	190	<0.5	ND
	12/20/12	22.27	380.22	34.75	340	<0.5	ND
	03/19/13	22.58	379.91	34.75	140	<0.5	ND
	06/12/13	23.52	378.97	34.75	270	<0.5	ND
	09/25/13	22.61	379.88	34.75	270	<0.5	ND
	03/21/14	22.89	379.60	34.75	310	<0.5	ND
	06/16/14	23.16	379.33	34.73	460	<0.5	ND
	09/26/14	23.39	379.10	34.75	270	<0.5	ND
	12/29/14	23.44	379.05	34.75	170	<0.5	ND
	03/26/15	23.42	379.07	34.75	85	<0.5	ND
	06/30/15	23.65	378.84	34.75	76	<0.5	ND
	09/29/15	23.92	378.57	34.75	72	<0.5	ND
	12/29/15	23.52	378.97	34.72	86	<0.5	ND
	03/22/16	24.38	378.11	37.75	71	<0.5	ND
	06/21/16	24.70	377.79	37.72	730	0.52	ND
	09/27/16	24.59	377.90	37.70	41	<0.5	ND
	12/29/16	25.06	377.43	37.70	43	<0.5	ND
	3/20/17	23.46	379.03	35.14	36	<0.5	ND
	6/20/17	23.26	379.23	35.15	57	<0.5	ND
	9/29/17	23.64	378.85	35.18	36	<0.5	ND
	12/28/17	24.11	378.38	35.11	34	<0.5	ND
	3/09/18	24.53	377.96	35.13	56	<0.5	ND
	6/27/18	25.21	377.28	35.16	17	<0.5	ND
	9/13/18	25.38	377.11	35.00	17	<0.5	ND
	12/26/18	25.67	376.82	35.14	38	<0.5	ND
	3/20/19	24.11	378.38	35.11	40	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW8 403.35	03/22/12	22.98	380.37	34.84	20	<0.5	ND
	06/27/12	23.06	380.29	34.85	21	<0.5	ND
	09/28/12	23.02	380.33	34.85	55	<0.5	ND
	12/20/12	23.30	380.05	34.85	110	<0.5	ND
	03/19/13	23.52	379.83	34.85	71	<0.5	ND
	06/12/13	23.62	379.73	34.85	110	<0.5	ND
	09/25/13	23.70	379.65	34.82	180	1.3	ND
	03/21/14	23.91	379.44	34.80	150	<0.5	ND
	06/16/14	24.19	379.16	34.80	270	<0.5	ND
	09/26/14	24.44	378.91	34.79	160	6.3	ND
	12/29/14	24.60	378.75	34.75	75	<0.5	ND
	03/26/15	24.64	378.71	34.77	35	<0.5	ND
	06/30/15	24.55	378.80	34.74	32	<0.5	ND
	09/29/15	25.25	378.10	34.77	30	<0.5	ND
	12/29/15	24.77	378.58	34.75	470	<1	ND
	03/22/16	25.68	377.67	34.72	230	0.52	ND
	06/21/16	25.85	377.50	34.75	87	<0.5	ND
	09/27/16	25.44	377.91	34.70	97	<0.5	ND
	12/29/16	26.12	377.23	34.72	97	<0.5	ND
	3/20/17	24.79	378.56	34.92	120	<0.5	ND
	6/20/17	24.52	378.83	34.87	190	<0.5	ND
	9/29/17	24.88	378.47	34.90	69	<0.5	ND
	12/28/17	25.37	377.98	34.95	83	<0.5	ND
	3/09/18	25.57	377.78	34.90	170	<0.5	ND
	6/27/18	26.30	377.05	34.38	320	0.51	ND
	9/13/18	26.55	376.80	34.90	190	<0.5	ND
	12/26/18	26.92	376.43	34.51	600	0.66	ND
	3/20/19	25.14	378.21	34.49	390	0.64	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW9 403.52	03/22/12	23.19	380.33	29.71	650	<0.5	ND
	06/27/12	23.22	380.30	29.70	430	<0.5	ND
	09/28/12	23.35	380.17	29.71	49	<0.5	ND
	12/20/12	23.62	379.90	29.70	270	<0.5	ND
	03/19/13	23.84	379.68	29.70	160	1.8	ND
	06/12/13	23.46	380.06	29.69	250	2.9	ND
	09/25/13	23.88	379.64	29.68	290	4.7	ND
	03/21/14	23.59	379.93	29.68	320	3.2	ND
	06/16/14	24.52	379.00	29.70	590	<0.5	ND
	09/26/14	24.69	378.83	29.68	330	14	ND
	12/29/14	24.85	378.67	29.65	190	2.9	ND
	03/26/15	24.82	378.70	29.66	110	<0.5	ND
	06/30/15	25.08	378.44	29.64	110	1.5	ND
	09/29/15	24.98	378.54	29.70	94	2.7	ND
	12/29/15	24.92	378.60	29.69	61	0.77	ND
	03/22/16	25.78	377.74	29.70	53	1.5	ND
	06/21/16	24.98	378.54	29.70	65	<0.5	ND
	09/27/16	24.74	378.78	29.71	20	<0.5	ND
	12/29/16	26.54	376.98	29.70	9.6	<0.5	ND
	3/20/17	25.00	378.52	27.33	<0.5	<0.5	ND
	6/20/17	24.79	378.73	27.28	63	<0.5	ND
	9/29/17	24.97	378.55	27.39	12	<0.5	ND
	12/28/17	25.61	377.91	27.40	14	<0.5	ND
	3/09/18	25.51	378.01	27.33	21	<0.5	ND
	6/27/18	26.91	376.61	27.40	18	<0.5	ND
	9/13/18	26.60	376.92	27.64	43	1.5	ND
	12/26/18	26.98	376.54	27.15	Dry	---	---
	3/20/19	25.82	377.70	27.30	20	<0.5	ND

**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

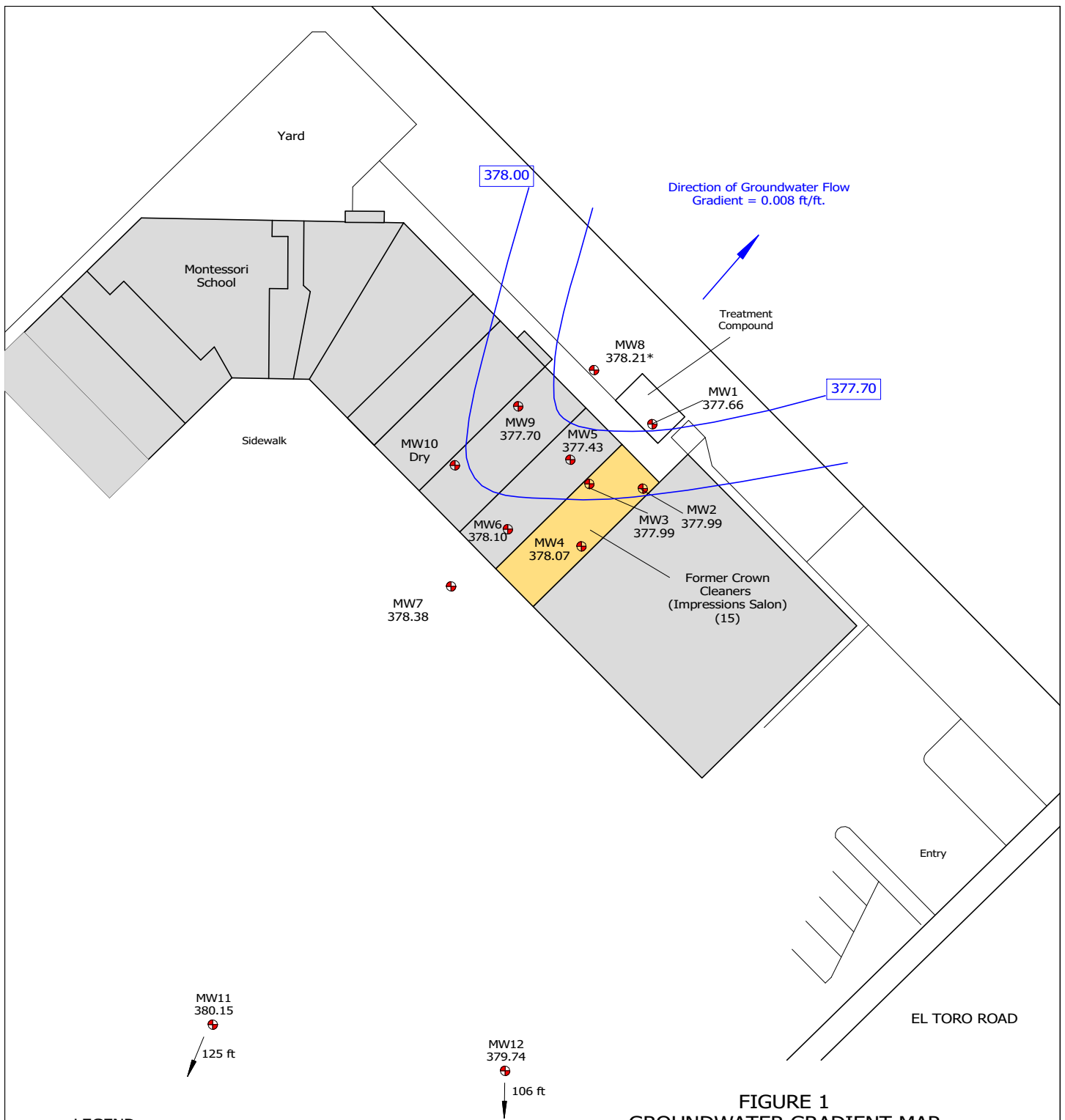
Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW10 403.59	03/22/12	23.13	380.46	29.16	240	<0.5	ND
	06/27/12	23.24	380.35	29.15	1500	<0.5	ND
	09/28/12	23.26	380.33	29.15	840	<0.5	ND
	12/20/12	---	---	21.44	Dry	---	---
	03/19/13	---	---	21.48	Dry	---	---
	06/12/13	---	---	19.45	Dry	---	---
	09/25/13	---	---	19.48	Dry	---	---
	03/21/14	---	---	19.40	Dry	---	---
	06/16/14	---	---	21.51	Dry	---	---
	09/26/14	---	---	21.55	Dry	---	---
	12/29/14	---	---	21.53	Dry	---	---
	03/26/15	---	---	21.50	Dry	---	---
	06/30/15	---	---	21.48	Dry	---	---
	09/29/15	---	---	21.17	Dry	---	---
	12/29/15	---	---	21.20	Dry	---	---
	03/22/16	---	---	21.20	Dry	---	---
	06/21/16	---	---	21.18	Dry	---	---
	09/27/16	---	---	21.20	Dry	---	---
	12/29/16	---	---	21.20	Dry	---	---
	3/20/17	---	---	24.80	Dry	---	---
	6/20/17	---	---	24.62	Dry	---	---
	9/29/17	---	---	24.82	Dry	---	---
	12/28/17	25.51	378.08	27.74	560	1.1	ND
	3/09/18	25.70	377.89	27.60	990	1.5	ND
	6/27/18	26.50	377.09	27.73	59	<0.5	ND
	9/13/18	26.69	376.90	27.70	160	<0.5	Chlofm=33
	12/26/18	Dry	---	27.23	Dry	---	---
	3/20/19	Dry	---		Dry	---	---



**TABLE 2-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW11 400.13	12/28/17	21.50	378.63	29.81	0.68	<0.5	ND
	3/09/18	21.84	378.29	29.79	<0.5	<0.5	ND
	6/27/18	22.25	377.88	29.58	<0.5	<0.5	ND
	9/13/18	22.38	377.75	29.70	<0.5	<0.5	ND
	12/26/18	22.33	377.80	29.23	<0.5	<0.5	ND
	3/20/19	19.98	380.15	29.83	<0.5	<0.5	ND
MW12 399.56	12/28/17	21.17	378.39	29.90	ND<0.5	<0.5	MTBE=1.2
	3/09/18	21.52	378.04	29.81	<0.5	<0.5	MTBE=0.72
	6/27/18	22.01	377.55	29.73	<0.5	<0.5	ND
	9/13/18	22.13	377.43	29.84	<0.5	<0.5	Chlorfm=0.5
	12/26/18	22.20	377.36	29.80	<0.5	<0.5	MTBE=1.2
	3/20/19	19.82	379.74	29.97	<0.5	<0.5	ND

## FIGURES



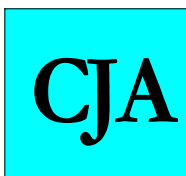
**FIGURE 1**  
**GROUNDWATER GRADIENT MAP**  
**FORMER CROWN CLEANERS**  
**24601 Raymond Way**  
**Lake Forest, California**

Groundwater Elevations Measured in Feet Above MSL (3/20/19).  
 \*=Anomalous Data Not Contoured.

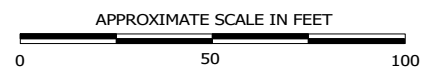
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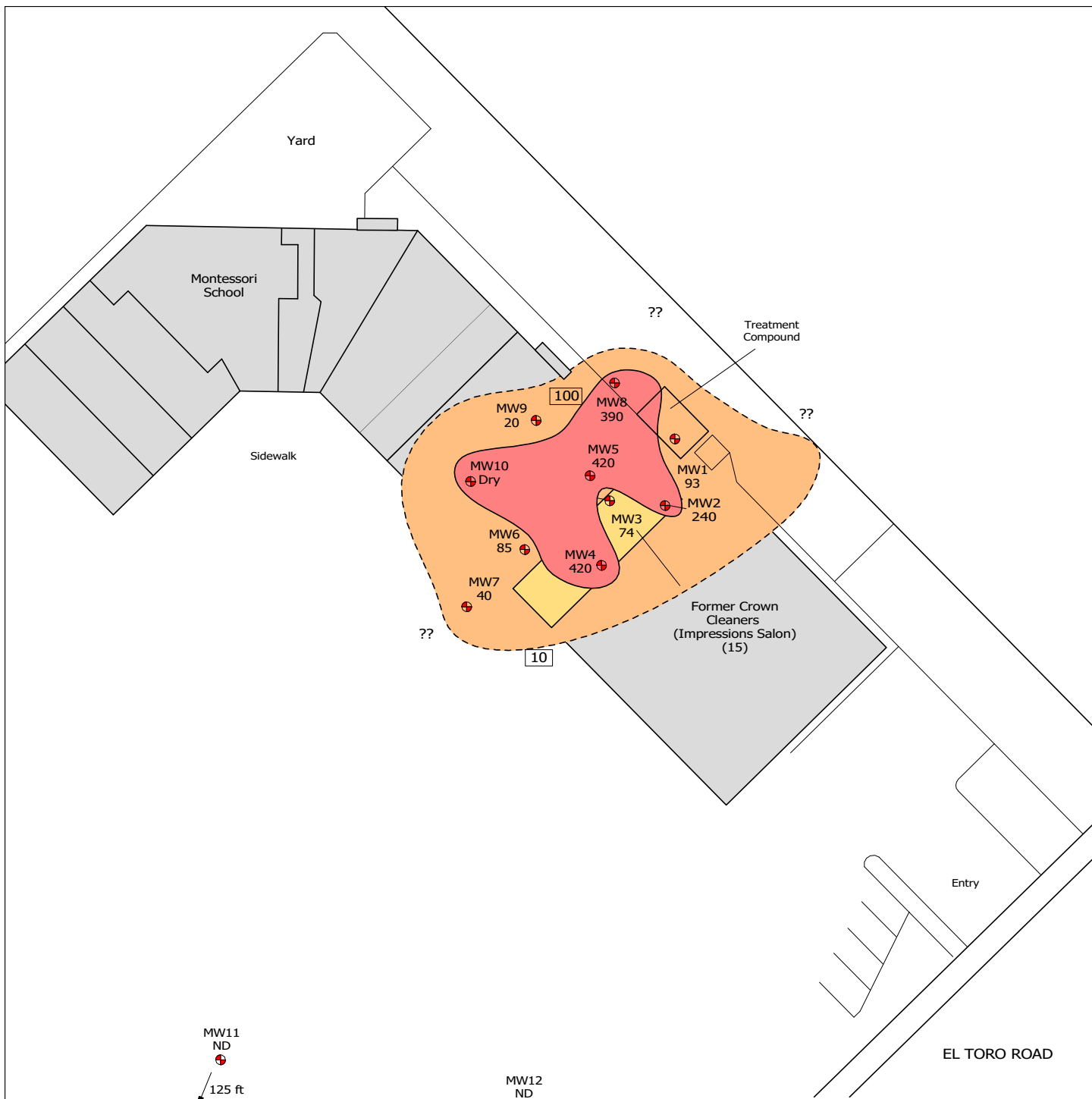
⊕ Groundwater Monitoring Wells

*Note: Wells MW11 and MW12 Not to Scale for Clarity on Local Gradient. Actual Distance to Wells Indicated.*



**C. JAMES  
 & ASSOCIATES**  
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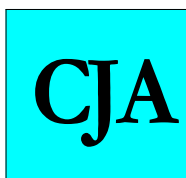
**FIGURE 2**  
**DISTRIBUTION OF PCE IN GROUNDWATER**  
**FORMER CROWN CLEANERS**  
**24601 Raymond Way**  
**Lake Forest, California**

Dissolved PCE Levels Shown in ug/L (3/20/19).

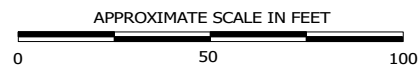
**LEGEND**

⊕ Groundwater Monitoring Wells

*Note: Wells MW11 and MW12 Not to Scale for Clarity on Local Conditions. Actual Distance to Wells Indicated.*



**C. JAMES  
& ASSOCIATES**  
 Environmental Consultants





## **APPENDIX A**

## GROUNDWATER ELEVATION DATA FORM

PROJECT: Former Crown Cleaners

LOCATION: 24601 Raymond Way, Lake Forest, CA

DATE: March 20, 2019

### MONITORING WELLS

ID	DTW	SWE	ELEV-W	TD	COMMENTS
MW1	-25.21	402.87	377.66	40.14	
MW2	-25.12	403.11	377.99	35.61	
MW3	-25.48	403.47	377.99	28.31	
MW4	-24.92	402.99	378.07	29.55	
MW5	-25.93	403.36	377.43	27.49	
MW6	-25.30	403.40	378.10	28.32	
MW7	-24.11	402.49	378.38	35.11	
MW8	-25.14	403.35	378.21	34.49	
MW9	-25.82	403.52	377.70	27.30	
MW10	Dry	403.59	403.59	27.23	
MW11	-19.98	400.13	380.15	29.83	
MW12	-19.82	399.56	379.74	29.97	

### EXPLANATION

DTW - Depth to Water from Surface  
ELEV-W - Relative Elevation of Water  
SWE - Surveyed Wellhead Elevation

REMARKS: Elevations Measured in Feet Above MSL.

DATA RECORDED BY: Blaine Tech

# WELL GAUGING DATA

Project # 190320-R51 Date 3-20-19 Client JSA

Site 24601 Raymond Way, Lake Forest

Well ID	Well Size (in.)	Time Gauged	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW1	2	0819					25.21	40.14	
MW2	2	1210					25.12	35.61	
MW3	2	1233					25.48	28.31	
MW4	2	1234					24.92	29.55	
MW5	2	1146					25.43	27.49	
MW6	2	1109					25.30	28.32	
MW7	2	0922					24.11	35.11	
MW8	2	0851					25.14	34.49	
MW9	2	1001					25.82	27.30	
MW10	2	0957					25.58	27.23	
MW11	2	0718					19.99	29.83	
MW12	2	0751					19.82	29.97	✓

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-RT1	Client: LSA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: mw-1	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 40.14	Depth to Water (ft.): 25.21
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: 491 PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0830      Flow Rate: 1200 mL/min      Pump Depth: 27.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0833	20.2	6.75	3888	9	4.41	17.9	600	25.19
0836	20.1	6.74	3932	5	4.16	19.9	1200	25.19
0839	20.2	6.73	3957	5	4.09	21.1	1800	25.19
0842	20.3	6.72	3966	5	4.04	23.2	2400	25.19

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Amount actually evacuated: 2400 mL	
Sampling Time: 0843		Sampling Date: 3/20/19	
Sample I.D.: mw-1		Laboratory: ATL	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: See coc	
Equipment Blank I.D.: @		Duplicate I.D.:	



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-R01	Client: LJA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: MW-2	Well Diameter (in.): ② 3 4 6 8
Total Well Depth (ft.): 35.61	Depth to Water (ft.): 25.12
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVE Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1215      Flow Rate: 300 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1218	22.5	6.90	3175	143	3.16	16.8	900	25.18
1221	22.6	6.89	3180	65	2.97	18.0	1800	25.18
1224	22.8	6.88	3183	61	2.95	18.7	2700	25.18
1227	22.9	6.87	3189	61	2.93	19.3	3600	25.18

Did well dewater? Yes No      Amount actually evacuated: 3600 mL

Sampling Time: 1228      Sampling Date: 3/20/19

Sample I.D.: MW-2      Laboratory: ATL

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: see coc

Equipment Blank I.D.: @      Duplicate I.D.:  
Time

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>140320-291</u>	Client: <u>LJA</u>
Sampler: <u>2</u>	Gauging Date: <u>3/20/19</u>
Well I.D.: <u>MW-3</u>	Well Diameter (in.): <u>(2)</u> 3 4 6 8
Total Well Depth (ft.): <u>28.31</u>	Depth to Water (ft.): <u>25.45</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 600 OUS</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 1332      Flow Rate: 100 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u> )	Depth to Water (ft.)
1335	21.3	6.79	2887	>1000	2.32	19.3	300	25.50
1338	22.4	6.82	2876	>1000	1.15	20.2	600	↓
1341	22.6	6.83	2865	>1000	1.18	21.3	900	
1344	22.7	6.84	2853	>1000	1.19	21.8	1200	

Did well dewater? Yes <u>No</u>		Amount actually evacuated: <u>1000 mL</u>
Sampling Time: <u>1345</u>		Sampling Date: <u>3/20/19</u>
Sample I.D.: <u>MW-3</u>		Laboratory: <u>ATL</u>
Analyzed for:      TPH-G    BTEX    MTBE    TPH-D		Other: <u>see coc</u>
Equipment Blank I.D.:      @      Time		Duplicate I.D.:

## LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>190320-RA</u>	Client: <u>USA</u>
Sampler: <u>RS</u>	Gauging Date: <u>3/20/19</u>
Well I.D.: <u>MW-4</u>	Well Diameter (in.): <u>(2)</u> 3 4 6 8
Total Well Depth (ft.): <u>29.55</u>	Depth to Water (ft.): <u>24.92</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>45L PRO PWS</u>

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_

Start Purge Time: 1306      Flow Rate: 300 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1309	22.6	6.71	3360	>1000	5.82	32.3	900	24.94
1312	22.8	6.70	3354	>1000	4.23	31.0	1800	24.94
1315	22.8	6.68	3345	>1000	4.22	30.9	2700	24.94
1318	22.9	6.66	3338	>1000	4.19	30.9	3600	24.94

Did well dewater? Yes (No)      Amount actually evacuated: 3600 mL

Sampling Time: 1319      Sampling Date: 3/20/19

Sample I.D.: MW-4      Laboratory: ATL

Analyzed for:      TPH-G    BTEX    MTBE    TPH-D      Other: SEE COC

Equipment Blank I.D.:      @      Time      Duplicate I.D.: \_\_\_\_\_

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 140320-RF1	Client: LSA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: <del>mw-5</del> mw-5	Well Diameter (in.): ② 3 4 6 8
Total Well Depth (ft.): 27.49	Depth to Water (ft.): 25.43
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1152      Flow Rate: 200 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. ①C or °F	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1155	22.7	7.15	5979	624	1.01	22.1	600	25.46
1158	22.8	7.13	5989	434	1.05	22.3	1200	25.46
1201	22.9	7.11	5976	430	1.07	22.8	1800	25.46
1204	22.9	7.10	5988	428	1.11	23.2	2400	25.46

Did well dewater? Yes <input checked="" type="radio"/> No		Amount actually evacuated: 2400 mL
Sampling Time: 1205		Sampling Date: 3/20/19
Sample I.D.: mw-5		Laboratory: ATL
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: SEE COL
Equipment Blank I.D.: @		Duplicate I.D.: Time



## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-RT1	Client: LSA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: mw-6	Well Diameter (in.): ② 3 4 6 8
Total Well Depth (ft.): 28.32	Depth to Water (ft.): 25.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: ysi pro plus

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1113      Flow Rate: 100 mL/min      Pump Depth: \_\_\_\_\_

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1116	23.4	7.16	4637	51	6.89	19.2	300	25.33
1119	23.5	7.13	4645	32	6.80	19.3	600	25.33
1122	23.8	7.12	4688	33	6.77	19.8	900	25.33
1125	23.9	7.10	4693	30	6.73	20.3	1200	25.33

Did well dewater? Yes <input checked="" type="radio"/> No		Amount actually evacuated: 1200 mL
Sampling Time: 1126		Sampling Date: 3/20/19
Sample I.D.: mw-6		Laboratory: ATL
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: 500 roc
Equipment Blank I.D.: @		Duplicate I.D.: Time

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-RT1	Client: LJA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: MW-7	Well Diameter (in.): <u>(2)</u> 3 4 6 8
Total Well Depth (ft.): 35.11	Depth to Water (ft.): 24.11
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0928      Flow Rate: 200 mL/min      Pump Depth: 25'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <del>µS/cm</del> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <del>ml</del> )	Depth to Water (ft.)
0931	23.6	6.87	5170	49	4.26	13.2	600	24.13
0934	23.9	6.76	5241	41	4.24	14.0	1200	24.13
0937	24.1	6.79	5263	43	4.14	15.7	1800	24.13
0940	24.2	6.80	5269	49	4.09	17.3	2400	24.13

Did well dewater? Yes <u>(No)</u>		Amount actually evacuated: 2400 mL
Sampling Time: 0941		Sampling Date: 3/20/19
Sample I.D.: MW-7		Laboratory: ATL
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: <u>see cox</u>
Equipment Blank I.D.: @		Duplicate I.D.: Time

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-RT1	Client: LJA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: mw-8	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.): 34.49	Depth to Water (ft.): 25.14
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0900      Flow Rate: 200 mL/min      Pump Depth: 25'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <del>µS/cm</del> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <del>ml</del> )	Depth to Water (ft.)
0903	22.0	6.65	4055	40	1.31	14.5	600	25.18
0906	21.8	6.69	4066	42	1.16	14.9	1200	25.18
0909	21.6	6.67	4070	40	1.10	14.5	1800	25.18
0912	21.6	6.65	4069	39	1.09	14.6	2400	25.18

Did well dewater? Yes (No)		Amount actually evacuated: 2400 mL	
Sampling Time: 0913		Sampling Date: 3/20/19	
Sample I.D.: mw-8		Laboratory: ATL	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: see LOC	
Equipment Blank I.D.: @		Duplicate I.D.:	

# LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-LF1	Client: LSA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8
Total Well Depth (ft.):	Depth to Water (ft.): 25.82
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 1017      Flow Rate: 100 mL/min      Pump Depth: 22.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <del>µS/cm</del> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1020	22.6	7.37	1228	>1000	1.02	-77.1	700	25.83
1023	22.7	7.36	1217	>1000	0.92	-71.5	600	25.84
1026	22.8	7.34	1231	>1000	0.90	-70.8	900	25.84
1029	22.7	7.37	1247	>1000	0.91	-69.8	1200	25.84

Did well dewater? Yes ☒ No      Amount actually evacuated: 1200 mL

Sampling Time: 1030      Sampling Date: 3/20/19

Sample I.D.: MW-9      Laboratory: ATL

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: see coc

Equipment Blank I.D.: @ Time      Duplicate I.D.:



## LOW FLOW WELL MONITORING DATA SHEET

Project #:	190320-RT1	Client:	LDA
Sampler:	RT	Gauging Date:	3/20/19
Well I.D.:	MW-10	Well Diameter (in.):	(2) 3 4 6 8
Total Well Depth (ft.):		Depth to Water (ft.):	25.58
Depth to Free Product:	—	Thickness of Free Product (feet):	—
Referenced to:	PVE Grade	Flow Cell Type:	YSI PRO PLUS

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump  
Sampling Method: Dedicated Tubing New Tubing Other \_\_\_\_\_  
Start Purge Time: \_\_\_\_\_ Flow Rate: \_\_\_\_\_ Pump Depth: \_\_\_\_\_

[illegible]

Did well dewater?	Yes	No	Amount actually evacuated:		
Sampling Time:				Sampling Date:	
Sample I.D.:	Mw-10			Laboratory:	
Analyzed for:	TPH-G	BTEX	MTBE	TPH-D	Other:
Equipment Blank I.D.:	@			Duplicate I.D.:	
	Time				

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320-R51	Client: LJA
Sampler: R5	Gauging Date: 3-20-19
Well I.D.: MW-11	Well Diameter (in.): <u>2</u> 3 4 6 8
Total Well Depth (ft.): 29.83	Depth to Water (ft.): 19.98
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI P20 PWS

Purge Method: 2" Grundfos Pump      ~~Peristaltic~~ Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0725      Flow Rate: 300 mL/min      Pump Depth: 22.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u> )	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u> )	Depth to Water (ft.)
0728	23.2	6.76	5406	12	1.24	32.8	900	19.99
0731	23.4	6.75	5403	13	0.94	38.4	1800	20.03
0734	23.9	6.68	5450	13	0.86	42.7	2700	20.03
0737	23.8	6.66	5486	13	0.80	52.0	3600	20.03

Did well dewater? Yes <input checked="" type="radio"/> No		Amount actually evacuated: 3600 mL
Sampling Time: 0738		Sampling Date: 3-20-19
Sample I.D.: MW-11		Laboratory: ATL
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: see COC
Equipment Blank I.D.: @		Duplicate I.D.: Time

## LOW FLOW WELL MONITORING DATA SHEET

Project #: 190320 - 251	Client: LJA
Sampler: RT	Gauging Date: 3/20/19
Well I.D.: MW-12	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 29.97	Depth to Water (ft.): 19.82
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: RVO Grade	Flow Cell Type: 451 PRO PLUS

Purge Method: 2" Grundfos Pump      Peristaltic Pump      Bladder Pump  
 Sampling Method: Dedicated Tubing      New Tubing      Other \_\_\_\_\_  
 Start Purge Time: 0755      Flow Rate: 300 mL/min      Pump Depth: 22.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0758	23.2	7.24	1976	72	1.30	24.7	900	20.01
0801	23.3	7.02	1864	48 18	1.81	27.7	1800	20.05
0804	23.0	7.01	1826	44 17	1.83	28.7	2700	20.05
0807	23.1	7.00	1765	17	1.86	29.1	3600	20.05

Did well dewater? Yes ☒ No      Amount actually evacuated: 3600 mL

Sampling Time: 0808      Sampling Date: 3/20/19

Sample I.D.: MW-12      Laboratory: ATL

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: see coc

Equipment Blank I.D.: @      Duplicate I.D.: Time

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCOC Ver: 20180321	
Method of Transport		Sample Conditions Upon Receipt	
<input checked="" type="checkbox"/> Client	<input type="checkbox"/> ATL	Condition	Y N
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	1. CHILLED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> GSO	<input type="checkbox"/> Other:	2. HEADSPACE (N/A)	<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/>		3. CONTAINER INTACT	<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/>		4. SEALED	<input type="checkbox"/> Y <input type="checkbox"/> N
		5. # OF SAMPLES MATCH COC	<input type="checkbox"/> Y <input type="checkbox"/> N
		6. PRESERVED	<input type="checkbox"/> Y <input type="checkbox"/> N
		7. COOLER TEMP. deg C:	<input type="checkbox"/> Y <input type="checkbox"/> N
		8. COOLER TEMP. deg F:	<input type="checkbox"/> Y <input type="checkbox"/> N

Company: C. JAMES ASSOCIATES, INC.		Address:		Tel:	
Attn: M. ANGELMO		City: CA		State:	
Company: CHINESE REPAIR CO.		Zip: 92052		Fax:	
Address: P.O. Box 4832		City: CA		State:	
City: OXFORD		Zip: 92052		Fax:	
Project Name: CACIEN PLACA		Quote #: PO #:		SEND INVOICE TO:	
Project No.: 0115		Special Instructions/Comments:		Email:	
Sampler: BLANE TECH				same as SEND REPORT TO	
Laboratory ID (For Lab Use Only)		Sample ID / Location		Sample Matrix	
ITEM		Sample Description		Requested Analysis	
1		MW-1		TO-15	
2		MW-2		8010 / 7000 (Title 22 Metals)	
3		MW-3		8270 (Semi-volatiles)	
4		MW-4		8082 (PCBs)	
5		MW-5		8081 (Organochlorine Pesticides)	
6		MW-6		8015 (DRO)	
7		MW-7		8015 (GRO)	
8		MW-8		8260 / 624 (Volatiles)	
9		MW-9			
10		MW-10			

Project Name: CACIEN PLACA		Quote #: PO #:		Special Instructions/Comments:	
Project No.: 0115		Sampler: BLANE TECH		Laboratory ID (For Lab Use Only)	
ITEM		Sample ID / Location		Sample Description	
1		MW-1		TO-15	
2		MW-2		8010 / 7000 (Title 22 Metals)	
3		MW-3		8270 (Semi-volatiles)	
4		MW-4		8082 (PCBs)	
5		MW-5		8081 (Organochlorine Pesticides)	
6		MW-6		8015 (DRO)	
7		MW-7		8015 (GRO)	
8		MW-8		8260 / 624 (Volatiles)	
9		MW-9			
10		MW-10			

Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.		6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days from receipt of samples.	
3. The following turnaround time conditions apply:		7. Electronic records maintained for five (5) years from report date.	
TAT = 0: 300% Surcharge SAME BUSINESS DAY (COB 5:00 PM)		8. Hard copy reports will be disposed of after 45 calendar days from report date.	
TAT = 1: 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)		9. Storage and Report fees:	
TAT = 2: 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)		Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; 52 sample/month if extended storage or hold is requested.	
TAT = 3: 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)		Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; 520 sample/week if extended storage is requested.	
TAT = 4: 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)		Hard copy and regenerated reports/EDOs: \$17.50 per hard copy report requested; \$50.00 per	
TAT = 5: NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)			
4. Weekend, holiday, after-hours work — ask for quote.			
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge, respective			

Relinquished by: (Signature and Printed Name)		Received by: (Signature and Printed Name)	
Date:	Time:	Date:	Time:
Relinquished by: (Signature and Printed Name)		Received by: (Signature and Printed Name)	
Date:	Time:	Date:	Time:
Relinquished by: (Signature and Printed Name)		Received by: (Signature and Printed Name)	
Date:	Time:	Date:	Time:

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.		Signature	
Printed Name		Signature	



For Laboratory Use Only ATLCOG Ver:20180321

Method of Transport	Sample Conditions Upon Receipt
<input type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> GSO <input type="checkbox"/> Other:	Condition Y N Y N
	1. CHILLED <input type="checkbox"/> 5. # OF SAMPLES MATCH COC <input type="checkbox"/>
	2. HEADSPACE (VOL) <input type="checkbox"/> 6. PRESERVED <input type="checkbox"/>
	3. CONTAINER INTACT <input type="checkbox"/> 7. COOLER TEMP. deg C:
	4. SEALED <input type="checkbox"/>

Instruction: Complete all shaded areas.

Company:	C. JAMES ASSOCIATES, INC.		Address:			
Attn:	M. ANSELMO	Email:	CJAMES@CJASOCIATES.COM	City:		
Company:			State:	CA	Zip:	90706
Address:	7050 W 4052		City:			
City:	OCEANSIDE	State:	CA	Zip:	92058	

SEND REPORT TO:

SEND INVOICE TO:

same as SEND REPORT TO

QA/QC

☐ Routine  
☐ Caltrans  
☐ Legal  
☐ RWQCB  
☐ Level IV

Project Name:	CACVEN TAREA	Quote #:		Special Instructions/Comments:	
Project No.:	0115	PO #:			
Sampler:	BLAINE TECH				

ITEM	Laboratory ID (For Lab Use Only)	Sample Description		Date	Time
		Sample ID / Location			
1		MW-11		3/20/16	07:38
2		MW-12		3/20/16	08:08
3					
4					
5					
6					
7					
8					
9					
10					

Requested Analysis	Sample Matrix	Turnaround Time (TAT)	Quantity	Container	Remarks
8260 / 624 (Volatiles)	SOIL				
8015 (GRO)	SOIL				
8015 (DRO)	SOIL				
8081 (Organochlorine Pesticides)	SOIL				
8082 (PCBs)	SOIL				
8270 (Semi-volatiles)	SOIL				
6010 / 7000 (Title 22 Metals)	SOIL				
TO-15	SOIL				

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.  
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.  
3. The following turnaround time conditions apply:  
TAT = 0: 300% Surcharge SAME BUSINESS DAY (received by 9:00 AM)  
TAT = 1: 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)  
TAT = 2: 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)  
TAT = 3: 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)  
TAT = 4: 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)  
TAT = 5: NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)  
4. Weekend, holiday, after-hours work - ask for quote.  
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab - ask for quote.  
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.  
7. Electronic records maintained for five (5) years from report date.  
8. Hard copy reports will be disposed of after 45 calendar days from report date.  
9. Storage and Report Fees:  
• Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.  
• Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/sample/week if extended storage is requested.  
• Hard copy and regenerated reports/EDOs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformatted report; \$35 per reprocessed EDO.  
10. Rush TAT/STLC samples: add 2 days to analysis TAT for extraction procedure.  
11. Unanalyzed samples will incur a disposal fee of \$7 per sample.  
12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

As the authorized agent of the company above, I hereby guarantee laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Printed Name: Signature: \_\_\_\_\_

# WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client LSA Date 3-20-19  
 Site Address 24601 Raymond way, Lake Forest  
 Job Number 140320-R51 Technician RD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X		stinger ext. pump in well							
MW2	X									
MW3	X		ext. pump							
MW4	X									
MW5			1/2 bolts missing							
MW6			1/2 bolts missing							
MW7	X (R)		1/2 bolts missing							
MW8	X		ext. pump							
MW9	X									
MW10	X									
MW11			1/2 tabs broken							
MW12	X									

NOTES: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

[illegible]

## **APPENDIX B**





March 28, 2019

Michael Anselmo  
C. James & Associates Inc.  
PO Box 4832  
Oceanside, CA 92052  
Tel: (760) 722-0050  
Fax: (760) 722-0150

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 1901088  
Client Reference : CARLEN PLAZA, 01915

Enclosed are the results for sample(s) received on March 20, 2019 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", is placed above the printed name.

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

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1901088-01	Groundwater	3/20/19 8:43	3/20/19 16:00
MW-2	1901088-02	Groundwater	3/20/19 12:28	3/20/19 16:00
MW-3	1901088-03	Groundwater	3/20/19 13:45	3/20/19 16:00
MW-4	1901088-04	Groundwater	3/20/19 13:19	3/20/19 16:00
MW-5	1901088-05	Groundwater	3/20/19 12:05	3/20/19 16:00
MW-6	1901088-06	Groundwater	3/20/19 11:26	3/20/19 16:00
MW-7	1901088-07	Groundwater	3/20/19 9:41	3/20/19 16:00
MW-8	1901088-08	Groundwater	3/20/19 9:13	3/20/19 16:00
MW-9	1901088-09	Groundwater	3/20/19 10:30	3/20/19 16:00
MW-11	1901088-10	Groundwater	3/20/19 7:38	3/20/19 16:00
MW-12	1901088-11	Groundwater	3/20/19 8:08	3/20/19 16:00



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-1**

**Lab ID: 1901088-01**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:15	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-1**

**Lab ID: 1901088-01**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 18:15	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 18:15	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:15	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:15	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 18:15	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
<b>Tetrachloroethene</b>	<b>93</b>	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 18:15	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:15	

Surrogate: 1,2-Dichloroethane-d4	113 %	57 - 152	B9C0637	03/22/2019	03/22/19 18:15
Surrogate: 4-Bromofluorobenzene	102 %	62 - 134	B9C0637	03/22/2019	03/22/19 18:15
Surrogate: Dibromofluoromethane	118 %	56 - 167	B9C0637	03/22/2019	03/22/19 18:15
Surrogate: Toluene-d8	107 %	33 - 170	B9C0637	03/22/2019	03/22/19 18:15





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-2**

**Lab ID: 1901088-02**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:38	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-2**

**Lab ID: 1901088-02**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 18:38	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 18:38	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:38	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 18:38	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 18:38	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
<b>Tetrachloroethene</b>	<b>240</b>	<b>5.0</b>	<b>10</b>	<b>B9C0674</b>	<b>03/25/2019</b>	<b>03/25/19 13:50</b>	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 18:38	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 18:38	

Surrogate: 1,2-Dichloroethane-d4	109 %	57 - 152	B9C0674	03/25/2019	03/25/19 13:50
Surrogate: 1,2-Dichloroethane-d4	117 %	57 - 152	B9C0637	03/22/2019	03/22/19 18:38
Surrogate: 4-Bromofluorobenzene	99.8 %	62 - 134	B9C0674	03/25/2019	03/25/19 13:50
Surrogate: 4-Bromofluorobenzene	104 %	62 - 134	B9C0637	03/22/2019	03/22/19 18:38
Surrogate: Dibromofluoromethane	118 %	56 - 167	B9C0637	03/22/2019	03/22/19 18:38



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-2**

**Lab ID: 1901088-02**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>56 - 167</i>		B9C0674	03/25/2019	<i>03/25/19 13:50</i>	
<i>Surrogate: Toluene-d8</i>	<i>120 %</i>	<i>33 - 170</i>		B9C0674	03/25/2019	<i>03/25/19 13:50</i>	
<i>Surrogate: Toluene-d8</i>	<i>110 %</i>	<i>33 - 170</i>		B9C0637	03/22/2019	<i>03/22/19 18:38</i>	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-3**

**Lab ID: 1901088-03**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1,1-Trichloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1,2-Trichloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1-Dichloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1-Dichloroethene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,1-Dichloropropene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2,3-Trichloropropane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2-Dibromoethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2-Dichlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2-Dichloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,2-Dichloropropane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,3-Dichlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,3-Dichloropropane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
1,4-Dichlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
2,2-Dichloropropane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
2-Chlorotoluene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
4-Chlorotoluene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
4-Isopropyltoluene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Benzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Bromobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Bromochloromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Bromodichloromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Bromoform	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Bromomethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Carbon disulfide	ND	1.0	1	B9C0674	03/25/2019	03/25/19 13:27	
Carbon tetrachloride	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Chlorobenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Chloroethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Chloroform	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Chloromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-3**

**Lab ID: 1901088-03**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Di-isopropyl ether	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Dibromochloromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Dibromomethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Dichlorodifluoromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Ethyl Acetate	ND	10	1	B9C0674	03/25/2019	03/25/19 13:27	
Ethyl Ether	ND	10	1	B9C0674	03/25/2019	03/25/19 13:27	
Ethyl tert-butyl ether	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Ethylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Freon-113	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Hexachlorobutadiene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Isopropylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
m,p-Xylene	ND	1.0	1	B9C0674	03/25/2019	03/25/19 13:27	
Methylene chloride	ND	1.0	1	B9C0674	03/25/2019	03/25/19 13:27	
MTBE	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
n-Butylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
n-Propylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Naphthalene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
o-Xylene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
sec-Butylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Styrene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
tert-Amyl methyl ether	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
tert-Butanol	ND	10	1	B9C0674	03/25/2019	03/25/19 13:27	
tert-Butylbenzene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
<b>Tetrachloroethene</b>	<b>74</b>	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Toluene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Trichloroethene	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Trichlorofluoromethane	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
Vinyl acetate	ND	10	1	B9C0674	03/25/2019	03/25/19 13:27	
Vinyl chloride	ND	0.50	1	B9C0674	03/25/2019	03/25/19 13:27	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>111 %</i>	<i>57 - 152</i>		B9C0674	03/25/2019	03/25/19 13:27	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>62 - 134</i>		B9C0674	03/25/2019	03/25/19 13:27	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>56 - 167</i>		B9C0674	03/25/2019	03/25/19 13:27	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>33 - 170</i>		B9C0674	03/25/2019	03/25/19 13:27	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-4**

**Lab ID: 1901088-04**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:01	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	



## Certificate of Analysis

C. James & Associates Inc.  
PO Box 4832  
Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915  
Report To : Michael Anselmo  
Reported : 03/28/2019

**Client Sample ID MW-4**

**Lab ID: 1901088-04**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:01	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 19:01	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:01	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:01	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 19:01	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
<b>Tetrachloroethene</b>	<b>420</b>	5.0	10	B9C0674	03/25/2019	03/25/19 14:14	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:01	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:01	

Surrogate: 1,2-Dichloroethane-d4	115 %	57 - 152	B9C0674	03/25/2019	03/25/19 14:14
Surrogate: 1,2-Dichloroethane-d4	116 %	57 - 152	B9C0637	03/22/2019	03/22/19 19:01
Surrogate: 4-Bromofluorobenzene	101 %	62 - 134	B9C0674	03/25/2019	03/25/19 14:14
Surrogate: 4-Bromofluorobenzene	103 %	62 - 134	B9C0637	03/22/2019	03/22/19 19:01
Surrogate: Dibromofluoromethane	106 %	56 - 167	B9C0637	03/22/2019	03/22/19 19:01



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-4**

**Lab ID: 1901088-04**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>56 - 167</i>		B9C0674	03/25/2019	<i>03/25/19 14:14</i>	
<i>Surrogate: Toluene-d8</i>	<i>119 %</i>	<i>33 - 170</i>		B9C0637	03/22/2019	<i>03/22/19 19:01</i>	
<i>Surrogate: Toluene-d8</i>	<i>113 %</i>	<i>33 - 170</i>		B9C0674	03/25/2019	<i>03/25/19 14:14</i>	





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-5**

**Lab ID: 1901088-05**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:25	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-5**

**Lab ID: 1901088-05**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:25	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 19:25	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:25	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:25	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 19:25	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
<b>Tetrachloroethene</b>	<b>420</b>	10	20	B9C0674	03/25/2019	03/25/19 15:00	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:25	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:25	

Surrogate: 1,2-Dichloroethane-d4	118 %	57 - 152	B9C0674	03/25/2019	03/25/19 15:00
Surrogate: 1,2-Dichloroethane-d4	115 %	57 - 152	B9C0637	03/22/2019	03/22/19 19:25
Surrogate: 4-Bromofluorobenzene	104 %	62 - 134	B9C0674	03/25/2019	03/25/19 15:00
Surrogate: 4-Bromofluorobenzene	102 %	62 - 134	B9C0637	03/22/2019	03/22/19 19:25
Surrogate: Dibromofluoromethane	113 %	56 - 167	B9C0637	03/22/2019	03/22/19 19:25



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-5**

**Lab ID: 1901088-05**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	<i>118 %</i>	<i>56 - 167</i>		B9C0674	03/25/2019	<i>03/25/19 15:00</i>	
<i>Surrogate: Toluene-d8</i>	<i>122 %</i>	<i>33 - 170</i>		B9C0674	03/25/2019	<i>03/25/19 15:00</i>	
<i>Surrogate: Toluene-d8</i>	<i>109 %</i>	<i>33 - 170</i>		B9C0637	03/22/2019	<i>03/22/19 19:25</i>	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-6**

**Lab ID: 1901088-06**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:48	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-6**

**Lab ID: 1901088-06**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:48	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 19:48	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:48	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 19:48	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 19:48	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
<b>Tetrachloroethene</b>	<b>85</b>	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 19:48	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 19:48	

Surrogate: 1,2-Dichloroethane-d4	120 %	57 - 152	B9C0637	03/22/2019	03/22/19 19:48
Surrogate: 4-Bromofluorobenzene	105 %	62 - 134	B9C0637	03/22/2019	03/22/19 19:48
Surrogate: Dibromofluoromethane	117 %	56 - 167	B9C0637	03/22/2019	03/22/19 19:48
Surrogate: Toluene-d8	118 %	33 - 170	B9C0637	03/22/2019	03/22/19 19:48



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-7**

**Lab ID: 1901088-07**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:19	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-7**

**Lab ID: 1901088-07**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 16:19	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 16:19	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:19	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:19	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 16:19	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
<b>Tetrachloroethene</b>	<b>40</b>	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 16:19	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:19	

Surrogate: 1,2-Dichloroethane-d4	115 %	57 - 152	B9C0637	03/22/2019	03/22/19 16:19
Surrogate: 4-Bromofluorobenzene	96.1 %	62 - 134	B9C0637	03/22/2019	03/22/19 16:19
Surrogate: Dibromofluoromethane	110 %	56 - 167	B9C0637	03/22/2019	03/22/19 16:19
Surrogate: Toluene-d8	118 %	33 - 170	B9C0637	03/22/2019	03/22/19 16:19



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-8**

**Lab ID: 1901088-08**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1,1-Trichloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1,2-Trichloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1-Dichloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1-Dichloroethene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,1-Dichloropropene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2,3-Trichloropropane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2-Dibromoethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2-Dichlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2-Dichloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,2-Dichloropropane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,3-Dichlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,3-Dichloropropane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
1,4-Dichlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
2,2-Dichloropropane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
2-Chlorotoluene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
4-Chlorotoluene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
4-Isopropyltoluene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Benzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Bromobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Bromochloromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Bromodichloromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Bromoform	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Bromomethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Carbon disulfide	ND	1.0	1	B9C0769	03/27/2019	03/27/19 14:50	
Carbon tetrachloride	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Chlorobenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Chloroethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Chloroform	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Chloromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	





## Certificate of Analysis

C. James & Associates Inc.  
PO Box 4832  
Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915  
Report To : Michael Anselmo  
Reported : 03/28/2019

**Client Sample ID MW-8**

**Lab ID: 1901088-08**

### Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Di-isopropyl ether	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Dibromochloromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Dibromomethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Dichlorodifluoromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Ethyl Acetate	ND	10	1	B9C0769	03/27/2019	03/27/19 14:50	
Ethyl Ether	ND	10	1	B9C0769	03/27/2019	03/27/19 14:50	
Ethyl tert-butyl ether	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Ethylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Freon-113	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Hexachlorobutadiene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Isopropylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
m,p-Xylene	ND	1.0	1	B9C0769	03/27/2019	03/27/19 14:50	
Methylene chloride	ND	1.0	1	B9C0769	03/27/2019	03/27/19 14:50	
MTBE	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
n-Butylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
n-Propylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Naphthalene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
o-Xylene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
sec-Butylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Styrene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
tert-Amyl methyl ether	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
tert-Butanol	ND	10	1	B9C0769	03/27/2019	03/27/19 14:50	
tert-Butylbenzene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
<b>Tetrachloroethene</b>	<b>390</b>	5.0	10	B9C0674	03/25/2019	03/25/19 14:37	
Toluene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
<b>Trichloroethene</b>	<b>0.64</b>	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Trichlorofluoromethane	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	
Vinyl acetate	ND	10	1	B9C0769	03/27/2019	03/27/19 14:50	
Vinyl chloride	ND	0.50	1	B9C0769	03/27/2019	03/27/19 14:50	

Surrogate: 1,2-Dichloroethane-d4	113 %	57 - 152	B9C0674	03/25/2019	03/25/19 14:37
Surrogate: 1,2-Dichloroethane-d4	115 %	57 - 152	B9C0769	03/27/2019	03/27/19 14:50
Surrogate: 4-Bromofluorobenzene	101 %	62 - 134	B9C0674	03/25/2019	03/25/19 14:37
Surrogate: 4-Bromofluorobenzene	105 %	62 - 134	B9C0769	03/27/2019	03/27/19 14:50
Surrogate: Dibromofluoromethane	120 %	56 - 167	B9C0769	03/27/2019	03/27/19 14:50



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-8**

**Lab ID: 1901088-08**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	<i>116 %</i>	<i>56 - 167</i>		B9C0674	03/25/2019	<i>03/25/19 14:37</i>	
<i>Surrogate: Toluene-d8</i>	<i>116 %</i>	<i>33 - 170</i>		B9C0674	03/25/2019	<i>03/25/19 14:37</i>	
<i>Surrogate: Toluene-d8</i>	<i>116 %</i>	<i>33 - 170</i>		B9C0769	03/27/2019	<i>03/27/19 14:50</i>	



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C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-9**

**Lab ID: 1901088-09**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1,1-Trichloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1,2-Trichloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1-Dichloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1-Dichloroethene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,1-Dichloropropene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2,3-Trichloropropane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2-Dibromoethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2-Dichlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2-Dichloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,2-Dichloropropane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,3-Dichlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,3-Dichloropropane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
1,4-Dichlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
2,2-Dichloropropane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
2-Chlorotoluene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
4-Chlorotoluene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
4-Isopropyltoluene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Benzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Bromobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Bromochloromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Bromodichloromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Bromoform	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Bromomethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Carbon disulfide	ND	1.0	1	B9C0716	03/26/2019	03/26/19 12:56	
Carbon tetrachloride	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Chlorobenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Chloroethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Chloroform	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Chloromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-9**

**Lab ID: 1901088-09**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Di-isopropyl ether	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Dibromochloromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Dibromomethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Dichlorodifluoromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Ethyl Acetate	ND	10	1	B9C0716	03/26/2019	03/26/19 12:56	
Ethyl Ether	ND	10	1	B9C0716	03/26/2019	03/26/19 12:56	
Ethyl tert-butyl ether	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Ethylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Freon-113	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Hexachlorobutadiene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Isopropylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
m,p-Xylene	ND	1.0	1	B9C0716	03/26/2019	03/26/19 12:56	
Methylene chloride	ND	1.0	1	B9C0716	03/26/2019	03/26/19 12:56	
MTBE	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
n-Butylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
n-Propylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Naphthalene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
o-Xylene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
sec-Butylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Styrene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
tert-Amyl methyl ether	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
tert-Butanol	ND	10	1	B9C0716	03/26/2019	03/26/19 12:56	
tert-Butylbenzene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
<b>Tetrachloroethene</b>	<b>20</b>	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Toluene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Trichloroethene	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Trichlorofluoromethane	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	
Vinyl acetate	ND	10	1	B9C0716	03/26/2019	03/26/19 12:56	
Vinyl chloride	ND	0.50	1	B9C0716	03/26/2019	03/26/19 12:56	

Surrogate: 1,2-Dichloroethane-d4	114 %	57 - 152	B9C0716	03/26/2019	03/26/19 12:56
Surrogate: 4-Bromofluorobenzene	99.2 %	62 - 134	B9C0716	03/26/2019	03/26/19 12:56
Surrogate: Dibromofluoromethane	125 %	56 - 167	B9C0716	03/26/2019	03/26/19 12:56
Surrogate: Toluene-d8	122 %	33 - 170	B9C0716	03/26/2019	03/26/19 12:56





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-11**

**Lab ID: 1901088-10**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:42	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-11**

**Lab ID: 1901088-10**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 16:42	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 16:42	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:42	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 16:42	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 16:42	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Tetrachloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 16:42	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 16:42	

Surrogate: 1,2-Dichloroethane-d4	119 %	57 - 152	B9C0637	03/22/2019	03/22/19 16:42
Surrogate: 4-Bromofluorobenzene	103 %	62 - 134	B9C0637	03/22/2019	03/22/19 16:42
Surrogate: Dibromofluoromethane	116 %	56 - 167	B9C0637	03/22/2019	03/22/19 16:42
Surrogate: Toluene-d8	122 %	33 - 170	B9C0637	03/22/2019	03/22/19 16:42



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-12**

**Lab ID: 1901088-11**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1,1-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1,2-Trichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,1-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2,3-Trichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2,3-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2,4-Trichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2,4-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2-Dibromoethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2-Dichloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,3,5-Trimethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,3-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,3-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
1,4-Dichlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
2,2-Dichloropropane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
2-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
4-Chlorotoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
4-Isopropyltoluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Benzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Bromobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Bromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Bromodichloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Bromoform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Bromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Carbon disulfide	ND	1.0	1	B9C0637	03/22/2019	03/22/19 17:05	
Carbon tetrachloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Chlorobenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Chloroethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Chloroform	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Chloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
cis-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

**Client Sample ID MW-12**

**Lab ID: 1901088-11**

### Volatile Organic Compounds by EPA 8260B

**Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Di-isopropyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Dibromochloromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Dibromomethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Dichlorodifluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Ethyl Acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 17:05	
Ethyl Ether	ND	10	1	B9C0637	03/22/2019	03/22/19 17:05	
Ethyl tert-butyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Ethylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Freon-113	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Hexachlorobutadiene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Isopropylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
m,p-Xylene	ND	1.0	1	B9C0637	03/22/2019	03/22/19 17:05	
Methylene chloride	ND	1.0	1	B9C0637	03/22/2019	03/22/19 17:05	
MTBE	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
n-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
n-Propylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Naphthalene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
o-Xylene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
sec-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Styrene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
tert-Amyl methyl ether	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
tert-Butanol	ND	10	1	B9C0637	03/22/2019	03/22/19 17:05	
tert-Butylbenzene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Tetrachloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Toluene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
trans-1,2-Dichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
trans-1,3-Dichloropropene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Trichloroethene	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Trichlorofluoromethane	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	
Vinyl acetate	ND	10	1	B9C0637	03/22/2019	03/22/19 17:05	
Vinyl chloride	ND	0.50	1	B9C0637	03/22/2019	03/22/19 17:05	

Surrogate: 1,2-Dichloroethane-d4	112 %	57 - 152	B9C0637	03/22/2019	03/22/19 17:05
Surrogate: 4-Bromofluorobenzene	94.0 %	62 - 134	B9C0637	03/22/2019	03/22/19 17:05
Surrogate: Dibromofluoromethane	112 %	56 - 167	B9C0637	03/22/2019	03/22/19 17:05
Surrogate: Toluene-d8	109 %	33 - 170	B9C0637	03/22/2019	03/22/19 17:05





## Certificate of Analysis

C. James & Associates Inc.  
PO Box 4832  
Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915  
Report To : Michael Anselmo  
Reported : 03/28/2019

### QUALITY CONTROL SECTION

#### Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W

##### Blank (B9C0637-BLK1)

Prepared: 3/22/2019 Analyzed: 3/22/2019

1,1,1,2-Tetrachloroethane	ND	0.50	0.11
1,1,1-Trichloroethane	ND	0.50	0.18
1,1,2,2-Tetrachloroethane	ND	0.50	0.17
1,1,2-Trichloroethane	ND	0.50	0.12
1,1-Dichloroethane	ND	0.50	0.16
1,1-Dichloroethene	ND	0.50	0.09
1,1-Dichloropropene	ND	0.50	0.21
1,2,3-Trichloropropane	ND	0.50	0.16
1,2,3-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trimethylbenzene	ND	0.50	0.08
1,2-Dibromo-3-chloropropane	ND	0.50	0.24
1,2-Dibromoethane	ND	0.50	0.11
1,2-Dichlorobenzene	ND	0.50	0.09
1,2-Dichloroethane	ND	0.50	0.19
1,2-Dichloropropane	ND	0.50	0.36
1,3,5-Trimethylbenzene	ND	0.50	0.05
1,3-Dichlorobenzene	ND	0.50	0.10
1,3-Dichloropropane	ND	0.50	0.07
1,4-Dichlorobenzene	ND	0.50	0.07
2,2-Dichloropropane	ND	0.50	0.16
2-Chlorotoluene	ND	0.50	0.08
4-Chlorotoluene	ND	0.50	0.08
4-Isopropyltoluene	ND	0.50	0.06
Benzene	ND	0.50	0.03
Bromobenzene	ND	0.50	0.09
Bromochloromethane	ND	0.50	0.24
Bromodichloromethane	ND	0.50	0.14
Bromoform	ND	0.50	0.13
Bromomethane	ND	0.50	0.42
Carbon disulfide	ND	1.0	0.12
Carbon tetrachloride	ND	0.50	0.19
Chlorobenzene	ND	0.50	0.07
Chloroethane	ND	0.50	0.40
Chloroform	ND	0.50	0.17
Chloromethane	ND	0.50	0.08
cis-1,2-Dichloroethene	ND	0.50	0.13
cis-1,3-Dichloropropene	ND	0.50	0.05
Di-isopropyl ether	ND	0.50	0.12



## Certificate of Analysis

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PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W (continued)

##### Blank (B9C0637-BLK1) - Continued

Prepared: 3/22/2019 Analyzed: 3/22/2019

Dibromochloromethane	ND	0.50	0.14
Dibromomethane	ND	0.50	0.10
Dichlorodifluoromethane	ND	0.50	0.10
Ethyl Acetate	ND	10	1.8
Ethyl Ether	ND	10	1.3
Ethyl tert-butyl ether	ND	0.50	0.11
Ethylbenzene	ND	0.50	0.07
Freon-113	ND	0.50	0.17
Hexachlorobutadiene	ND	0.50	0.14
Isopropylbenzene	ND	0.50	0.05
m,p-Xylene	ND	1.0	0.08
Methylene chloride	ND	1.0	0.46
MTBE	ND	0.50	0.12
n-Butylbenzene	ND	0.50	0.05
n-Propylbenzene	ND	0.50	0.07
Naphthalene	ND	0.50	0.15
o-Xylene	ND	0.50	0.05
sec-Butylbenzene	ND	0.50	0.04
Styrene	ND	0.50	0.06
tert-Amyl methyl ether	ND	0.50	0.11
tert-Butanol	ND	10	2.9
tert-Butylbenzene	ND	0.50	0.06
Tetrachloroethene	ND	0.50	0.07
Toluene	ND	0.50	0.07
trans-1,2-Dichloroethene	ND	0.50	0.11
trans-1,3-Dichloropropene	ND	0.50	0.04
Trichloroethene	ND	0.50	0.05
Trichlorofluoromethane	ND	0.50	0.14
Vinyl acetate	ND	10	1.3
Vinyl chloride	ND	0.50	0.05

Surrogate: 1,2-Dichloroethane-d4	25.38		25.0000	102	57 - 152
Surrogate: 4-Bromofluorobenzene	23.26		25.0000	93.0	62 - 134
Surrogate: Dibromofluoromethane	24.72		25.0000	98.9	56 - 167
Surrogate: Toluene-d8	28.33		25.0000	113	33 - 170

##### LCS (B9C0637-BS1)

Prepared: 3/22/2019 Analyzed: 3/22/2019

1,1,1,2-Tetrachloroethane	19.1800	0.50	0.11	20.0000	95.9	80 - 137
1,1,1-Trichloroethane	18.8700	0.50	0.18	20.0000	94.4	75 - 148
1,1,2,2-Tetrachloroethane	15.6700	0.50	0.17	20.0000	78.4	64 - 118
1,1,2-Trichloroethane	19.1900	0.50	0.12	20.0000	96.0	77 - 113
1,1-Dichloroethane	18.2900	0.50	0.16	20.0000	91.4	72 - 131



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W (continued)

##### LCS (B9C0637-BS1) - Continued

Prepared: 3/22/2019 Analyzed: 3/22/2019

1,1-Dichloroethene	18.3600	0.50	0.09	20.0000		91.8	75 - 132		
1,1-Dichloropropene	21.1400	0.50	0.21	20.0000		106	84 - 141		
1,2,3-Trichloropropane	17.6400	0.50	0.16	20.0000		88.2	65 - 111		
1,2,3-Trichlorobenzene	18.5200	0.50	0.12	20.0000		92.6	79 - 117		
1,2,4-Trichlorobenzene	19.1000	0.50	0.12	20.0000		95.5	78 - 121		
1,2,4-Trimethylbenzene	19.2400	0.50	0.08	20.0000		96.2	83 - 125		
1,2-Dibromo-3-chloropropane	16.6500	0.50	0.24	20.0000		83.2	54 - 116		
1,2-Dibromoethane	19.2700	0.50	0.11	20.0000		96.4	79 - 118		
1,2-Dichlorobenzene	18.6300	0.50	0.09	20.0000		93.2	82 - 115		
1,2-Dichloroethane	19.7000	0.50	0.19	20.0000		98.5	76 - 115		
1,2-Dichloropropane	17.4000	0.50	0.36	20.0000		87.0	74 - 113		
1,3,5-Trimethylbenzene	19.5400	0.50	0.05	20.0000		97.7	83 - 126		
1,3-Dichlorobenzene	18.7700	0.50	0.10	20.0000		93.8	84 - 118		
1,3-Dichloropropane	18.6600	0.50	0.07	20.0000		93.3	72 - 116		
1,4-Dichlorobenzene	18.2200	0.50	0.07	20.0000		91.1	83 - 112		
2,2-Dichloropropane	20.3500	0.50	0.16	20.0000		102	72 - 150		
2-Chlorotoluene	17.5700	0.50	0.08	20.0000		87.8	82 - 120		
4-Chlorotoluene	18.7500	0.50	0.08	20.0000		93.8	81 - 121		
4-Isopropyltoluene	18.5100	0.50	0.06	20.0000		92.6	86 - 124		
Benzene	37.2500	0.50	0.03	40.0000		93.1	81 - 118		
Bromobenzene	18.4700	0.50	0.09	20.0000		92.4	82 - 117		
Bromochloromethane	21.0200	0.50	0.24	20.0000		105	70 - 136		
Bromodichloromethane	19.3000	0.50	0.14	20.0000		96.5	80 - 122		
Bromoform	17.4500	0.50	0.13	20.0000		87.2	53 - 145		
Bromomethane	14.3000	0.50	0.42	20.0000		71.5	30 - 204		
Carbon disulfide	17.7600	1.0	0.12	20.0000		88.8	85 - 131		
Carbon tetrachloride	19.8500	0.50	0.19	20.0000		99.2	77 - 157		
Chlorobenzene	18.2500	0.50	0.07	20.0000		91.2	86 - 113		
Chloroethane	20.1000	0.50	0.40	20.0000		100	70 - 160		
Chloroform	18.0500	0.50	0.17	20.0000		90.2	66 - 136		
Chloromethane	15.7000	0.50	0.08	20.0000		78.5	52 - 138		
cis-1,2-Dichloroethene	20.3600	0.50	0.13	20.0000		102	71 - 128		
cis-1,3-Dichloropropene	22.3300	0.50	0.05	20.0000		112	71 - 123		
Di-isopropyl ether	18.1200	0.50	0.12	20.0000		90.6	64 - 123		
Dibromochloromethane	18.9600	0.50	0.14	20.0000		94.8	78 - 140		
Dibromomethane	18.1600	0.50	0.10	20.0000		90.8	78 - 109		
Dichlorodifluoromethane	16.6800	0.50	0.10	20.0000		83.4	64 - 144		
Ethyl Acetate	180.080	10	1.8	200.000		90.0	55 - 123		
Ethyl Ether	177.600	10	1.3	200.000		88.8	74 - 122		
Ethyl tert-butyl ether	20.6700	0.50	0.11	20.0000		103	72 - 120		
Ethylbenzene	36.8700	0.50	0.07	40.0000		92.2	90 - 116		
Freon-113	20.1500	0.50	0.17	20.0000		101	76 - 143		



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W (continued)

##### LCS (B9C0637-BS1) - Continued

Prepared: 3/22/2019 Analyzed: 3/22/2019

Hexachlorobutadiene	17.1600	0.50	0.14	20.0000		85.8	81 - 129		
Isopropylbenzene	19.2800	0.50	0.05	20.0000		96.4	83 - 129		
m,p-Xylene	40.2800	1.0	0.08	40.0000		101	88 - 124		
Methylene chloride	21.3100	1.0	0.46	20.0000		107	76 - 137		
MTBE	20.0400	0.50	0.12	20.0000		100	67 - 121		
n-Butylbenzene	17.8700	0.50	0.05	20.0000		89.4	83 - 129		
n-Propylbenzene	17.1700	0.50	0.07	20.0000		85.8	85 - 124		
Naphthalene	16.2400	0.50	0.15	20.0000		81.2	67 - 113		
o-Xylene	40.6400	0.50	0.05	40.0000		102	82 - 129		
sec-Butylbenzene	18.9300	0.50	0.04	20.0000		94.6	86 - 127		
Styrene	20.6300	0.50	0.06	20.0000		103	83 - 122		
tert-Amyl methyl ether	19.3200	0.50	0.11	20.0000		96.6	61 - 114		
tert-Butanol	93.1600	10	2.9	100.000		93.2	45 - 121		
tert-Butylbenzene	19.4700	0.50	0.06	20.0000		97.4	84 - 130		
Tetrachloroethene	18.0800	0.50	0.07	20.0000		90.4	87 - 123		
Toluene	38.5500	0.50	0.07	40.0000		96.4	84 - 115		
trans-1,2-Dichloroethene	21.1200	0.50	0.11	20.0000		106	60 - 148		
trans-1,3-Dichloropropene	19.7200	0.50	0.04	20.0000		98.6	77 - 118		
Trichloroethene	19.8700	0.50	0.05	20.0000		99.4	79 - 129		
Trichlorofluoromethane	21.3000	0.50	0.14	20.0000		106	68 - 162		
Vinyl acetate	207.270	10	1.3	200.000		104	65 - 134		
Vinyl chloride	17.6400	0.50	0.05	20.0000		88.2	73 - 128		
Surrogate: 1,2-Dichloroethane-d4	24.58			25.0000		98.3	57 - 152		
Surrogate: 4-Bromofluorobenzene	26.50			25.0000		106	62 - 134		
Surrogate: Dibromofluoromethane	28.42			25.0000		114	56 - 167		
Surrogate: Toluene-d8	30.04			25.0000		120	33 - 170		

##### LCS Dup (B9C0637-BSD1)

Prepared: 3/22/2019 Analyzed: 3/22/2019

1,1,1,2-Tetrachloroethane	20.0600	0.50	0.11	20.0000		100	80 - 137	4.49	20
1,1,1-Trichloroethane	18.9300	0.50	0.18	20.0000		94.6	75 - 148	0.317	20
1,1,2,2-Tetrachloroethane	17.2500	0.50	0.17	20.0000		86.2	64 - 118	9.60	20
1,1,2-Trichloroethane	21.2700	0.50	0.12	20.0000		106	77 - 113	10.3	20
1,1-Dichloroethane	19.5700	0.50	0.16	20.0000		97.8	72 - 131	6.76	20
1,1-Dichloroethene	18.8100	0.50	0.09	20.0000		94.0	75 - 132	2.42	20
1,1-Dichloropropene	20.7300	0.50	0.21	20.0000		104	84 - 141	1.96	20
1,2,3-Trichloropropane	17.7000	0.50	0.16	20.0000		88.5	65 - 111	0.340	20
1,2,3-Trichlorobenzene	19.8900	0.50	0.12	20.0000		99.4	79 - 117	7.13	20
1,2,4-Trichlorobenzene	20.5300	0.50	0.12	20.0000		103	78 - 121	7.22	20
1,2,4-Trimethylbenzene	19.7300	0.50	0.08	20.0000		98.6	83 - 125	2.51	20
1,2-Dibromo-3-chloropropane	17.2600	0.50	0.24	20.0000		86.3	54 - 116	3.60	20
1,2-Dibromoethane	20.2500	0.50	0.11	20.0000		101	79 - 118	4.96	20





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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W (continued)

##### LCS Dup (B9C0637-BSD1) - Continued

Prepared: 3/22/2019 Analyzed: 3/22/2019

1,2-Dichlorobenzene	18.5200	0.50	0.09	20.0000		92.6	82 - 115	0.592	20	
1,2-Dichloroethane	20.4100	0.50	0.19	20.0000		102	76 - 115	3.54	20	
1,2-Dichloropropane	18.1700	0.50	0.36	20.0000		90.8	74 - 113	4.33	20	
1,3,5-Trimethylbenzene	19.7600	0.50	0.05	20.0000		98.8	83 - 126	1.12	20	
1,3-Dichlorobenzene	18.8200	0.50	0.10	20.0000		94.1	84 - 118	0.266	20	
1,3-Dichloropropane	20.1700	0.50	0.07	20.0000		101	72 - 116	7.78	20	
1,4-Dichlorobenzene	18.5600	0.50	0.07	20.0000		92.8	83 - 112	1.85	20	
2,2-Dichloropropane	19.8300	0.50	0.16	20.0000		99.2	72 - 150	2.59	20	
2-Chlorotoluene	19.4000	0.50	0.08	20.0000		97.0	82 - 120	9.90	20	
4-Chlorotoluene	19.2000	0.50	0.08	20.0000		96.0	81 - 121	2.37	20	
4-Isopropyltoluene	19.3100	0.50	0.06	20.0000		96.6	86 - 124	4.23	20	
Benzene	37.1800	0.50	0.03	40.0000		93.0	81 - 118	0.188	20	
Bromobenzene	19.1600	0.50	0.09	20.0000		95.8	82 - 117	3.67	20	
Bromochloromethane	20.5000	0.50	0.24	20.0000		102	70 - 136	2.50	20	
Bromodichloromethane	20.0100	0.50	0.14	20.0000		100	80 - 122	3.61	20	
Bromoform	18.0700	0.50	0.13	20.0000		90.4	53 - 145	3.49	20	
Bromomethane	18.3300	0.50	0.42	20.0000		91.6	30 - 204	24.7	20	R
Carbon disulfide	17.3100	1.0	0.12	20.0000		86.6	85 - 131	2.57	20	
Carbon tetrachloride	19.5800	0.50	0.19	20.0000		97.9	77 - 157	1.37	20	
Chlorobenzene	19.0300	0.50	0.07	20.0000		95.2	86 - 113	4.18	20	
Chloroethane	20.5100	0.50	0.40	20.0000		103	70 - 160	2.02	20	
Chloroform	19.2000	0.50	0.17	20.0000		96.0	66 - 136	6.17	20	
Chloromethane	16.1400	0.50	0.08	20.0000		80.7	52 - 138	2.76	20	
cis-1,2-Dichloroethene	20.1700	0.50	0.13	20.0000		101	71 - 128	0.938	20	
cis-1,3-Dichloropropene	23.3800	0.50	0.05	20.0000		117	71 - 123	4.59	20	
Di-isopropyl ether	20.3600	0.50	0.12	20.0000		102	64 - 123	11.6	20	
Dibromochloromethane	18.9500	0.50	0.14	20.0000		94.8	78 - 140	0.0527	20	
Dibromomethane	17.8800	0.50	0.10	20.0000		89.4	78 - 109	1.55	20	
Dichlorodifluoromethane	16.7500	0.50	0.10	20.0000		83.8	64 - 144	0.419	20	
Ethyl Acetate	174.420	10	1.8	200.000		87.2	55 - 123	3.19	20	
Ethyl Ether	179.550	10	1.3	200.000		89.8	74 - 122	1.09	20	
Ethyl tert-butyl ether	21.2500	0.50	0.11	20.0000		106	72 - 120	2.77	20	
Ethylbenzene	38.0400	0.50	0.07	40.0000		95.1	90 - 116	3.12	20	
Freon-113	21.1800	0.50	0.17	20.0000		106	76 - 143	4.98	20	
Hexachlorobutadiene	18.1300	0.50	0.14	20.0000		90.6	81 - 129	5.50	20	
Isopropylbenzene	21.5600	0.50	0.05	20.0000		108	83 - 129	11.2	20	
m,p-Xylene	42.4100	1.0	0.08	40.0000		106	88 - 124	5.15	20	
Methylene chloride	20.2400	1.0	0.46	20.0000		101	76 - 137	5.15	20	
MTBE	20.2300	0.50	0.12	20.0000		101	67 - 121	0.944	20	
n-Butylbenzene	18.3500	0.50	0.05	20.0000		91.8	83 - 129	2.65	20	
n-Propylbenzene	19.5300	0.50	0.07	20.0000		97.6	85 - 124	12.9	20	
Naphthalene	16.5900	0.50	0.15	20.0000		83.0	67 - 113	2.13	20	



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0637 - MSVOA\_LL\_W (continued)

##### LCS Dup (B9C0637-BSD1) - Continued

Prepared: 3/22/2019 Analyzed: 3/22/2019

o-Xylene	44.6200	0.50	0.05	40.0000		112	82 - 129	9.34	20
sec-Butylbenzene	19.1500	0.50	0.04	20.0000		95.8	86 - 127	1.16	20
Styrene	22.6600	0.50	0.06	20.0000		113	83 - 122	9.38	20
tert-Amyl methyl ether	19.1300	0.50	0.11	20.0000		95.6	61 - 114	0.988	20
tert-Butanol	95.8300	10	2.9	100.000		95.8	45 - 121	2.83	20
tert-Butylbenzene	19.4300	0.50	0.06	20.0000		97.2	84 - 130	0.206	20
Tetrachloroethene	19.2600	0.50	0.07	20.0000		96.3	87 - 123	6.32	20
Toluene	40.3000	0.50	0.07	40.0000		101	84 - 115	4.44	20
trans-1,2-Dichloroethene	21.0800	0.50	0.11	20.0000		105	60 - 148	0.190	20
trans-1,3-Dichloropropene	20.1900	0.50	0.04	20.0000		101	77 - 118	2.36	20
Trichloroethene	19.4200	0.50	0.05	20.0000		97.1	79 - 129	2.29	20
Trichlorofluoromethane	22.7400	0.50	0.14	20.0000		114	68 - 162	6.54	20
Vinyl acetate	215.000	10	1.3	200.000		108	65 - 134	3.66	20
Vinyl chloride	18.0800	0.50	0.05	20.0000		90.4	73 - 128	2.46	20
Surrogate: 1,2-Dichloroethane-d4	25.98			25.0000		104	57 - 152		
Surrogate: 4-Bromofluorobenzene	25.98			25.0000		104	62 - 134		
Surrogate: Dibromofluoromethane	26.57			25.0000		106	56 - 167		
Surrogate: Toluene-d8	28.97			25.0000		116	33 - 170		



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### Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W

##### Blank (B9C0674-BLK1)

Prepared: 3/25/2019 Analyzed: 3/25/2019

1,1,1,2-Tetrachloroethane	ND	0.50	0.11
1,1,1-Trichloroethane	ND	0.50	0.18
1,1,2,2-Tetrachloroethane	ND	0.50	0.17
1,1,2-Trichloroethane	ND	0.50	0.12
1,1-Dichloroethane	ND	0.50	0.16
1,1-Dichloroethene	ND	0.50	0.09
1,1-Dichloropropene	ND	0.50	0.21
1,2,3-Trichloropropane	ND	0.50	0.16
1,2,3-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trimethylbenzene	ND	0.50	0.08
1,2-Dibromo-3-chloropropane	ND	0.50	0.24
1,2-Dibromoethane	ND	0.50	0.11
1,2-Dichlorobenzene	ND	0.50	0.09
1,2-Dichloroethane	ND	0.50	0.19
1,2-Dichloropropane	ND	0.50	0.36
1,3,5-Trimethylbenzene	ND	0.50	0.05
1,3-Dichlorobenzene	ND	0.50	0.10
1,3-Dichloropropane	ND	0.50	0.07
1,4-Dichlorobenzene	ND	0.50	0.07
2,2-Dichloropropane	ND	0.50	0.16
2-Chlorotoluene	ND	0.50	0.08
4-Chlorotoluene	ND	0.50	0.08
4-Isopropyltoluene	ND	0.50	0.06
Benzene	ND	0.50	0.03
Bromobenzene	ND	0.50	0.09
Bromochloromethane	ND	0.50	0.24
Bromodichloromethane	ND	0.50	0.14
Bromoform	ND	0.50	0.13
Bromomethane	ND	0.50	0.42
Carbon disulfide	ND	1.0	0.12
Carbon tetrachloride	ND	0.50	0.19
Chlorobenzene	ND	0.50	0.07
Chloroethane	ND	0.50	0.40
Chloroform	ND	0.50	0.17
Chloromethane	ND	0.50	0.08
cis-1,2-Dichloroethene	ND	0.50	0.13
cis-1,3-Dichloropropene	ND	0.50	0.05
Di-isopropyl ether	ND	0.50	0.12
Dibromochloromethane	ND	0.50	0.14
Dibromomethane	ND	0.50	0.10



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W (continued)

##### Blank (B9C0674-BLK1) - Continued

Prepared: 3/25/2019 Analyzed: 3/25/2019

Dichlorodifluoromethane	ND	0.50	0.10
Ethyl Acetate	ND	10	1.8
Ethyl Ether	ND	10	1.3
Ethyl tert-butyl ether	ND	0.50	0.11
Ethylbenzene	ND	0.50	0.07
Freon-113	ND	0.50	0.17
Hexachlorobutadiene	ND	0.50	0.14
Isopropylbenzene	ND	0.50	0.05
m,p-Xylene	ND	1.0	0.08
Methylene chloride	ND	1.0	0.46
MTBE	ND	0.50	0.12
n-Butylbenzene	ND	0.50	0.05
n-Propylbenzene	ND	0.50	0.07
Naphthalene	ND	0.50	0.15
o-Xylene	ND	0.50	0.05
sec-Butylbenzene	ND	0.50	0.04
Styrene	ND	0.50	0.06
tert-Amyl methyl ether	ND	0.50	0.11
tert-Butanol	ND	10	2.9
tert-Butylbenzene	ND	0.50	0.06
Tetrachloroethene	ND	0.50	0.07
Toluene	ND	0.50	0.07
trans-1,2-Dichloroethene	ND	0.50	0.11
trans-1,3-Dichloropropene	ND	0.50	0.04
Trichloroethene	ND	0.50	0.05
Trichlorofluoromethane	ND	0.50	0.14
Vinyl acetate	ND	10	1.3
Vinyl chloride	ND	0.50	0.05

Surrogate: 1,2-Dichloroethane-d4	28.15	25.0000	113	57 - 152
Surrogate: 4-Bromofluorobenzene	25.15	25.0000	101	62 - 134
Surrogate: Dibromofluoromethane	26.55	25.0000	106	56 - 167
Surrogate: Toluene-d8	27.48	25.0000	110	33 - 170

##### LCS (B9C0674-BS1)

Prepared: 3/25/2019 Analyzed: 3/25/2019

1,1,1,2-Tetrachloroethane	19.8800	0.50	0.11	20.0000	99.4	80 - 137
1,1,1-Trichloroethane	18.8200	0.50	0.18	20.0000	94.1	75 - 148
1,1,2,2-Tetrachloroethane	14.8500	0.50	0.17	20.0000	74.2	64 - 118
1,1,2-Trichloroethane	20.0900	0.50	0.12	20.0000	100	77 - 113
1,1-Dichloroethane	17.6300	0.50	0.16	20.0000	88.2	72 - 131
1,1-Dichloroethene	17.9900	0.50	0.09	20.0000	90.0	75 - 132
1,1-Dichloropropene	19.8700	0.50	0.21	20.0000	99.4	84 - 141





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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W (continued)

##### LCS (B9C0674-BS1) - Continued

Prepared: 3/25/2019 Analyzed: 3/25/2019

1,2,3-Trichloropropane	17.0200	0.50	0.16	20.0000		85.1	65 - 111		
1,2,3-Trichlorobenzene	19.6800	0.50	0.12	20.0000		98.4	79 - 117		
1,2,4-Trichlorobenzene	20.1400	0.50	0.12	20.0000		101	78 - 121		
1,2,4-Trimethylbenzene	19.4900	0.50	0.08	20.0000		97.4	83 - 125		
1,2-Dibromo-3-chloropropane	16.9800	0.50	0.24	20.0000		84.9	54 - 116		
1,2-Dibromoethane	18.9900	0.50	0.11	20.0000		95.0	79 - 118		
1,2-Dichlorobenzene	18.7500	0.50	0.09	20.0000		93.8	82 - 115		
1,2-Dichloroethane	18.6400	0.50	0.19	20.0000		93.2	76 - 115		
1,2-Dichloropropane	17.3100	0.50	0.36	20.0000		86.6	74 - 113		
1,3,5-Trimethylbenzene	19.8600	0.50	0.05	20.0000		99.3	83 - 126		
1,3-Dichlorobenzene	19.0500	0.50	0.10	20.0000		95.2	84 - 118		
1,3-Dichloropropane	19.0800	0.50	0.07	20.0000		95.4	72 - 116		
1,4-Dichlorobenzene	19.1600	0.50	0.07	20.0000		95.8	83 - 112		
2,2-Dichloropropane	19.0500	0.50	0.16	20.0000		95.2	72 - 150		
2-Chlorotoluene	18.6100	0.50	0.08	20.0000		93.0	82 - 120		
4-Chlorotoluene	18.6800	0.50	0.08	20.0000		93.4	81 - 121		
4-Isopropyltoluene	19.7300	0.50	0.06	20.0000		98.6	86 - 124		
Benzene	36.4600	0.50	0.03	40.0000		91.2	81 - 118		
Bromobenzene	19.1500	0.50	0.09	20.0000		95.8	82 - 117		
Bromochloromethane	19.2600	0.50	0.24	20.0000		96.3	70 - 136		
Bromodichloromethane	17.8100	0.50	0.14	20.0000		89.0	80 - 122		
Bromoform	17.3200	0.50	0.13	20.0000		86.6	53 - 145		
Bromomethane	19.2200	0.50	0.42	20.0000		96.1	30 - 204		
Carbon disulfide	17.4000	1.0	0.12	20.0000		87.0	85 - 131		
Carbon tetrachloride	20.4200	0.50	0.19	20.0000		102	77 - 157		
Chlorobenzene	18.5600	0.50	0.07	20.0000		92.8	86 - 113		
Chloroethane	21.9900	0.50	0.40	20.0000		110	70 - 160		
Chloroform	17.5900	0.50	0.17	20.0000		88.0	66 - 136		
Chloromethane	15.0500	0.50	0.08	20.0000		75.2	52 - 138		
cis-1,2-Dichloroethene	18.9700	0.50	0.13	20.0000		94.8	71 - 128		
cis-1,3-Dichloropropene	22.4000	0.50	0.05	20.0000		112	71 - 123		
Di-isopropyl ether	17.3200	0.50	0.12	20.0000		86.6	64 - 123		
Dibromochloromethane	18.2100	0.50	0.14	20.0000		91.0	78 - 140		
Dibromomethane	18.0900	0.50	0.10	20.0000		90.4	78 - 109		
Dichlorodifluoromethane	14.2500	0.50	0.10	20.0000		71.2	64 - 144		
Ethyl Acetate	153.160	10	1.8	200.000		76.6	55 - 123		
Ethyl Ether	175.640	10	1.3	200.000		87.8	74 - 122		
Ethyl tert-butyl ether	18.9200	0.50	0.11	20.0000		94.6	72 - 120		
Ethylbenzene	37.6300	0.50	0.07	40.0000		94.1	90 - 116		
Freon-113	21.2900	0.50	0.17	20.0000		106	76 - 143		
Hexachlorobutadiene	18.0200	0.50	0.14	20.0000		90.1	81 - 129		
Isopropylbenzene	20.5700	0.50	0.05	20.0000		103	83 - 129		



## Certificate of Analysis

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Project Number : CARLEN PLAZA, 01915  
Report To : Michael Anselmo  
Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W (continued)

##### LCS (B9C0674-BS1) - Continued

Prepared: 3/25/2019 Analyzed: 3/25/2019

m,p-Xylene	41.1000	1.0	0.08	40.0000		103	88 - 124		
Methylene chloride	20.6400	1.0	0.46	20.0000		103	76 - 137		
MTBE	19.6800	0.50	0.12	20.0000		98.4	67 - 121		
n-Butylbenzene	18.4800	0.50	0.05	20.0000		92.4	83 - 129		
n-Propylbenzene	18.8600	0.50	0.07	20.0000		94.3	85 - 124		
Naphthalene	16.6700	0.50	0.15	20.0000		83.4	67 - 113		
o-Xylene	40.9900	0.50	0.05	40.0000		102	82 - 129		
sec-Butylbenzene	19.0900	0.50	0.04	20.0000		95.4	86 - 127		
Styrene	20.8900	0.50	0.06	20.0000		104	83 - 122		
tert-Amyl methyl ether	18.2500	0.50	0.11	20.0000		91.2	61 - 114		
tert-Butanol	75.4500	10	2.9	100.000		75.4	45 - 121		
tert-Butylbenzene	19.6100	0.50	0.06	20.0000		98.0	84 - 130		
Tetrachloroethene	19.3900	0.50	0.07	20.0000		97.0	87 - 123		
Toluene	38.4000	0.50	0.07	40.0000		96.0	84 - 115		
trans-1,2-Dichloroethene	20.9000	0.50	0.11	20.0000		104	60 - 148		
trans-1,3-Dichloropropene	20.4800	0.50	0.04	20.0000		102	77 - 118		
Trichloroethene	19.4300	0.50	0.05	20.0000		97.2	79 - 129		
Trichlorofluoromethane	22.8100	0.50	0.14	20.0000		114	68 - 162		
Vinyl acetate	172.510	10	1.3	200.000		86.3	65 - 134		
Vinyl chloride	17.3800	0.50	0.05	20.0000		86.9	73 - 128		
Surrogate: 1,2-Dichloroethane-d4	24.75			25.0000		99.0	57 - 152		
Surrogate: 4-Bromofluorobenzene	26.01			25.0000		104	62 - 134		
Surrogate: Dibromofluoromethane	25.15			25.0000		101	56 - 167		
Surrogate: Toluene-d8	29.08			25.0000		116	33 - 170		

##### LCS Dup (B9C0674-BSD1)

Prepared: 3/25/2019 Analyzed: 3/25/2019

1,1,1,2-Tetrachloroethane	20.2600	0.50	0.11	20.0000		101	80 - 137	1.89	20
1,1,1-Trichloroethane	18.7200	0.50	0.18	20.0000		93.6	75 - 148	0.533	20
1,1,2,2-Tetrachloroethane	14.4500	0.50	0.17	20.0000		72.2	64 - 118	2.73	20
1,1,2-Trichloroethane	19.0900	0.50	0.12	20.0000		95.4	77 - 113	5.10	20
1,1-Dichloroethane	17.2300	0.50	0.16	20.0000		86.2	72 - 131	2.29	20
1,1-Dichloroethene	18.2600	0.50	0.09	20.0000		91.3	75 - 132	1.49	20
1,1-Dichloropropene	21.3200	0.50	0.21	20.0000		107	84 - 141	7.04	20
1,2,3-Trichloropropane	16.7000	0.50	0.16	20.0000		83.5	65 - 111	1.90	20
1,2,3-Trichlorobenzene	20.4200	0.50	0.12	20.0000		102	79 - 117	3.69	20
1,2,4-Trichlorobenzene	21.2100	0.50	0.12	20.0000		106	78 - 121	5.18	20
1,2,4-Trimethylbenzene	19.9000	0.50	0.08	20.0000		99.5	83 - 125	2.08	20
1,2-Dibromo-3-chloropropane	17.0100	0.50	0.24	20.0000		85.0	54 - 116	0.177	20
1,2-Dibromoethane	18.5500	0.50	0.11	20.0000		92.8	79 - 118	2.34	20
1,2-Dichlorobenzene	18.8300	0.50	0.09	20.0000		94.2	82 - 115	0.426	20
1,2-Dichloroethane	19.9100	0.50	0.19	20.0000		99.6	76 - 115	6.59	20



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W (continued)

#### LCS Dup (B9C0674-BSD1) - Continued

Prepared: 3/25/2019 Analyzed: 3/25/2019

1,2-Dichloropropane	17.4300	0.50	0.36	20.0000		87.2	74 - 113	0.691	20	
1,3,5-Trimethylbenzene	19.5300	0.50	0.05	20.0000		97.6	83 - 126	1.68	20	
1,3-Dichlorobenzene	18.7200	0.50	0.10	20.0000		93.6	84 - 118	1.75	20	
1,3-Dichloropropane	19.0900	0.50	0.07	20.0000		95.4	72 - 116	0.0524	20	
1,4-Dichlorobenzene	18.5900	0.50	0.07	20.0000		93.0	83 - 112	3.02	20	
2,2-Dichloropropane	18.8500	0.50	0.16	20.0000		94.2	72 - 150	1.06	20	
2-Chlorotoluene	18.1900	0.50	0.08	20.0000		91.0	82 - 120	2.28	20	
4-Chlorotoluene	18.8200	0.50	0.08	20.0000		94.1	81 - 121	0.747	20	
4-Isopropyltoluene	19.4400	0.50	0.06	20.0000		97.2	86 - 124	1.48	20	
Benzene	36.4100	0.50	0.03	40.0000		91.0	81 - 118	0.137	20	
Bromobenzene	18.4300	0.50	0.09	20.0000		92.2	82 - 117	3.83	20	
Bromochloromethane	19.3600	0.50	0.24	20.0000		96.8	70 - 136	0.518	20	
Bromodichloromethane	18.6900	0.50	0.14	20.0000		93.4	80 - 122	4.82	20	
Bromoform	18.7200	0.50	0.13	20.0000		93.6	53 - 145	7.77	20	
Bromomethane	18.5200	0.50	0.42	20.0000		92.6	30 - 204	3.71	20	
Carbon disulfide	16.9000	1.0	0.12	20.0000		84.5	85 - 131	2.92	20	L4
Carbon tetrachloride	20.3900	0.50	0.19	20.0000		102	77 - 157	0.147	20	
Chlorobenzene	19.5200	0.50	0.07	20.0000		97.6	86 - 113	5.04	20	
Chloroethane	21.7200	0.50	0.40	20.0000		109	70 - 160	1.24	20	
Chloroform	17.3800	0.50	0.17	20.0000		86.9	66 - 136	1.20	20	
Chloromethane	14.9900	0.50	0.08	20.0000		75.0	52 - 138	0.399	20	
cis-1,2-Dichloroethene	18.2100	0.50	0.13	20.0000		91.0	71 - 128	4.09	20	
cis-1,3-Dichloropropene	21.4700	0.50	0.05	20.0000		107	71 - 123	4.24	20	
Di-isopropyl ether	17.9800	0.50	0.12	20.0000		89.9	64 - 123	3.74	20	
Dibromochloromethane	18.9800	0.50	0.14	20.0000		94.9	78 - 140	4.14	20	
Dibromomethane	18.7500	0.50	0.10	20.0000		93.8	78 - 109	3.58	20	
Dichlorodifluoromethane	13.4800	0.50	0.10	20.0000		67.4	64 - 144	5.55	20	
Ethyl Acetate	157.400	10	1.8	200.000		78.7	55 - 123	2.73	20	
Ethyl Ether	169.710	10	1.3	200.000		84.9	74 - 122	3.43	20	
Ethyl tert-butyl ether	18.7200	0.50	0.11	20.0000		93.6	72 - 120	1.06	20	
Ethylbenzene	38.7000	0.50	0.07	40.0000		96.8	90 - 116	2.80	20	
Freon-113	20.7800	0.50	0.17	20.0000		104	76 - 143	2.42	20	
Hexachlorobutadiene	18.2600	0.50	0.14	20.0000		91.3	81 - 129	1.32	20	
Isopropylbenzene	20.2900	0.50	0.05	20.0000		101	83 - 129	1.37	20	
m,p-Xylene	41.9600	1.0	0.08	40.0000		105	88 - 124	2.07	20	
Methylene chloride	19.4100	1.0	0.46	20.0000		97.0	76 - 137	6.14	20	
MTBE	19.3100	0.50	0.12	20.0000		96.6	67 - 121	1.90	20	
n-Butylbenzene	18.1200	0.50	0.05	20.0000		90.6	83 - 129	1.97	20	
n-Propylbenzene	18.7700	0.50	0.07	20.0000		93.8	85 - 124	0.478	20	
Naphthalene	16.8700	0.50	0.15	20.0000		84.4	67 - 113	1.19	20	
o-Xylene	42.5700	0.50	0.05	40.0000		106	82 - 129	3.78	20	
sec-Butylbenzene	19.3400	0.50	0.04	20.0000		96.7	86 - 127	1.30	20	



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Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0674 - MSVOA\_W (continued)

#### LCS Dup (B9C0674-BSD1) - Continued

Prepared: 3/25/2019 Analyzed: 3/25/2019

Styrene	21.4800	0.50	0.06	20.0000		107	83 - 122	2.78	20
tert-Amyl methyl ether	18.8500	0.50	0.11	20.0000		94.2	61 - 114	3.23	20
tert-Butanol	86.1700	10	2.9	100.000		86.2	45 - 121	13.3	20
tert-Butylbenzene	19.4800	0.50	0.06	20.0000		97.4	84 - 130	0.665	20
Tetrachloroethene	19.4800	0.50	0.07	20.0000		97.4	87 - 123	0.463	20
Toluene	37.4700	0.50	0.07	40.0000		93.7	84 - 115	2.45	20
trans-1,2-Dichloroethene	20.9300	0.50	0.11	20.0000		105	60 - 148	0.143	20
trans-1,3-Dichloropropene	19.6400	0.50	0.04	20.0000		98.2	77 - 118	4.19	20
Trichloroethene	20.5300	0.50	0.05	20.0000		103	79 - 129	5.51	20
Trichlorofluoromethane	20.9100	0.50	0.14	20.0000		105	68 - 162	8.69	20
Vinyl acetate	162.010	10	1.3	200.000		81.0	65 - 134	6.28	20
Vinyl chloride	17.0700	0.50	0.05	20.0000		85.4	73 - 128	1.80	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>25.31</i>			<i>25.0000</i>		<i>101</i>	<i>57 - 152</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>26.36</i>			<i>25.0000</i>		<i>105</i>	<i>62 - 134</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>25.00</i>			<i>25.0000</i>		<i>100</i>	<i>56 - 167</i>		
<i>Surrogate: Toluene-d8</i>	<i>27.27</i>			<i>25.0000</i>		<i>109</i>	<i>33 - 170</i>		





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### Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W

##### Blank (B9C0716-BLK1)

Prepared: 3/26/2019 Analyzed: 3/26/2019

1,1,1,2-Tetrachloroethane	ND	0.50	0.11
1,1,1-Trichloroethane	ND	0.50	0.18
1,1,2,2-Tetrachloroethane	ND	0.50	0.17
1,1,2-Trichloroethane	ND	0.50	0.12
1,1-Dichloroethane	ND	0.50	0.16
1,1-Dichloroethene	ND	0.50	0.09
1,1-Dichloropropene	ND	0.50	0.21
1,2,3-Trichloropropane	ND	0.50	0.16
1,2,3-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trimethylbenzene	ND	0.50	0.08
1,2-Dibromo-3-chloropropane	ND	0.50	0.24
1,2-Dibromoethane	ND	0.50	0.11
1,2-Dichlorobenzene	ND	0.50	0.09
1,2-Dichloroethane	ND	0.50	0.19
1,2-Dichloropropane	ND	0.50	0.36
1,3,5-Trimethylbenzene	ND	0.50	0.05
1,3-Dichlorobenzene	ND	0.50	0.10
1,3-Dichloropropane	ND	0.50	0.07
1,4-Dichlorobenzene	ND	0.50	0.07
2,2-Dichloropropane	ND	0.50	0.16
2-Chlorotoluene	ND	0.50	0.08
4-Chlorotoluene	ND	0.50	0.08
4-Isopropyltoluene	ND	0.50	0.06
Benzene	ND	0.50	0.03
Bromobenzene	ND	0.50	0.09
Bromochloromethane	ND	0.50	0.24
Bromodichloromethane	ND	0.50	0.14
Bromoform	ND	0.50	0.13
Bromomethane	ND	0.50	0.42
Carbon disulfide	ND	1.0	0.12
Carbon tetrachloride	ND	0.50	0.19
Chlorobenzene	ND	0.50	0.07
Chloroethane	ND	0.50	0.40
Chloroform	ND	0.50	0.17
Chloromethane	ND	0.50	0.08
cis-1,2-Dichloroethene	ND	0.50	0.13
cis-1,3-Dichloropropene	ND	0.50	0.05
Di-isopropyl ether	ND	0.50	0.12
Dibromochloromethane	ND	0.50	0.14
Dibromomethane	ND	0.50	0.10



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W (continued)

##### Blank (B9C0716-BLK1) - Continued

Prepared: 3/26/2019 Analyzed: 3/26/2019

Dichlorodifluoromethane	ND	0.50	0.10
Ethyl Acetate	ND	10	1.8
Ethyl Ether	ND	10	1.3
Ethyl tert-butyl ether	ND	0.50	0.11
Ethylbenzene	ND	0.50	0.07
Freon-113	ND	0.50	0.17
Hexachlorobutadiene	ND	0.50	0.14
Isopropylbenzene	ND	0.50	0.05
m,p-Xylene	ND	1.0	0.08
Methylene chloride	ND	1.0	0.46
MTBE	ND	0.50	0.12
n-Butylbenzene	ND	0.50	0.05
n-Propylbenzene	ND	0.50	0.07
Naphthalene	ND	0.50	0.15
o-Xylene	ND	0.50	0.05
sec-Butylbenzene	ND	0.50	0.04
Styrene	ND	0.50	0.06
tert-Amyl methyl ether	ND	0.50	0.11
tert-Butanol	ND	10	2.9
tert-Butylbenzene	ND	0.50	0.06
Tetrachloroethene	ND	0.50	0.07
Toluene	ND	0.50	0.07
trans-1,2-Dichloroethene	ND	0.50	0.11
trans-1,3-Dichloropropene	ND	0.50	0.04
Trichloroethene	ND	0.50	0.05
Trichlorofluoromethane	ND	0.50	0.14
Vinyl acetate	ND	10	1.3
Vinyl chloride	ND	0.50	0.05

Surrogate: 1,2-Dichloroethane-d4	28.38		25.0000	114	57 - 152
Surrogate: 4-Bromofluorobenzene	26.56		25.0000	106	62 - 134
Surrogate: Dibromofluoromethane	28.48		25.0000	114	56 - 167
Surrogate: Toluene-d8	29.41		25.0000	118	33 - 170

##### LCS (B9C0716-BS1)

Prepared: 3/26/2019 Analyzed: 3/26/2019

1,1,1,2-Tetrachloroethane	19.8400	0.50	0.11	20.0000	99.2	80 - 137
1,1,1-Trichloroethane	18.9400	0.50	0.18	20.0000	94.7	75 - 148
1,1,2,2-Tetrachloroethane	15.0600	0.50	0.17	20.0000	75.3	64 - 118
1,1,2-Trichloroethane	19.2900	0.50	0.12	20.0000	96.4	77 - 113
1,1-Dichloroethane	18.4000	0.50	0.16	20.0000	92.0	72 - 131
1,1-Dichloroethene	19.1900	0.50	0.09	20.0000	96.0	75 - 132
1,1-Dichloropropene	20.8500	0.50	0.21	20.0000	104	84 - 141



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W (continued)

##### LCS (B9C0716-BS1) - Continued

Prepared: 3/26/2019 Analyzed: 3/26/2019

1,2,3-Trichloropropane	17.5100	0.50	0.16	20.0000		87.6	65 - 111		
1,2,3-Trichlorobenzene	21.0000	0.50	0.12	20.0000		105	79 - 117		
1,2,4-Trichlorobenzene	20.3700	0.50	0.12	20.0000		102	78 - 121		
1,2,4-Trimethylbenzene	18.9800	0.50	0.08	20.0000		94.9	83 - 125		
1,2-Dibromo-3-chloropropane	16.8500	0.50	0.24	20.0000		84.2	54 - 116		
1,2-Dibromoethane	18.5800	0.50	0.11	20.0000		92.9	79 - 118		
1,2-Dichlorobenzene	18.8600	0.50	0.09	20.0000		94.3	82 - 115		
1,2-Dichloroethane	19.5100	0.50	0.19	20.0000		97.6	76 - 115		
1,2-Dichloropropane	17.3500	0.50	0.36	20.0000		86.8	74 - 113		
1,3,5-Trimethylbenzene	19.4100	0.50	0.05	20.0000		97.0	83 - 126		
1,3-Dichlorobenzene	19.6400	0.50	0.10	20.0000		98.2	84 - 118		
1,3-Dichloropropane	20.1800	0.50	0.07	20.0000		101	72 - 116		
1,4-Dichlorobenzene	18.6700	0.50	0.07	20.0000		93.4	83 - 112		
2,2-Dichloropropane	20.0700	0.50	0.16	20.0000		100	72 - 150		
2-Chlorotoluene	17.9300	0.50	0.08	20.0000		89.6	82 - 120		
4-Chlorotoluene	18.3400	0.50	0.08	20.0000		91.7	81 - 121		
4-Isopropyltoluene	19.1300	0.50	0.06	20.0000		95.6	86 - 124		
Benzene	37.5700	0.50	0.03	40.0000		93.9	81 - 118		
Bromobenzene	18.5200	0.50	0.09	20.0000		92.6	82 - 117		
Bromochloromethane	21.5900	0.50	0.24	20.0000		108	70 - 136		
Bromodichloromethane	19.3100	0.50	0.14	20.0000		96.6	80 - 122		
Bromoform	19.3000	0.50	0.13	20.0000		96.5	53 - 145		
Bromomethane	19.4200	0.50	0.42	20.0000		97.1	30 - 204		
Carbon disulfide	17.6000	1.0	0.12	20.0000		88.0	85 - 131		
Carbon tetrachloride	20.0900	0.50	0.19	20.0000		100	77 - 157		
Chlorobenzene	18.9300	0.50	0.07	20.0000		94.6	86 - 113		
Chloroethane	20.9500	0.50	0.40	20.0000		105	70 - 160		
Chloroform	18.6900	0.50	0.17	20.0000		93.4	66 - 136		
Chloromethane	14.0000	0.50	0.08	20.0000		70.0	52 - 138		
cis-1,2-Dichloroethene	19.3400	0.50	0.13	20.0000		96.7	71 - 128		
cis-1,3-Dichloropropene	22.7800	0.50	0.05	20.0000		114	71 - 123		
Di-isopropyl ether	15.0800	0.50	0.12	20.0000		75.4	64 - 123		
Dibromochloromethane	20.1800	0.50	0.14	20.0000		101	78 - 140		
Dibromomethane	18.1600	0.50	0.10	20.0000		90.8	78 - 109		
Dichlorodifluoromethane	12.6300	0.50	0.10	20.0000		63.2	64 - 144		
Ethyl Acetate	167.530	10	1.8	200.000		83.8	55 - 123		L4
Ethyl Ether	183.390	10	1.3	200.000		91.7	74 - 122		
Ethyl tert-butyl ether	19.3200	0.50	0.11	20.0000		96.6	72 - 120		
Ethylbenzene	38.3100	0.50	0.07	40.0000		95.8	90 - 116		
Freon-113	21.4900	0.50	0.17	20.0000		107	76 - 143		
Hexachlorobutadiene	17.9600	0.50	0.14	20.0000		89.8	81 - 129		
Isopropylbenzene	19.9800	0.50	0.05	20.0000		99.9	83 - 129		



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W (continued)

##### LCS (B9C0716-BS1) - Continued

Prepared: 3/26/2019 Analyzed: 3/26/2019

m,p-Xylene	41.2600	1.0	0.08	40.0000		103	88 - 124		
Methylene chloride	20.9700	1.0	0.46	20.0000		105	76 - 137		
MTBE	20.2700	0.50	0.12	20.0000		101	67 - 121		
n-Butylbenzene	17.8800	0.50	0.05	20.0000		89.4	83 - 129		
n-Propylbenzene	18.1300	0.50	0.07	20.0000		90.6	85 - 124		
Naphthalene	16.7200	0.50	0.15	20.0000		83.6	67 - 113		
o-Xylene	42.2500	0.50	0.05	40.0000		106	82 - 129		
sec-Butylbenzene	18.8900	0.50	0.04	20.0000		94.4	86 - 127		
Styrene	21.5400	0.50	0.06	20.0000		108	83 - 122		
tert-Amyl methyl ether	18.4600	0.50	0.11	20.0000		92.3	61 - 114		
tert-Butanol	89.1900	10	2.9	100.000		89.2	45 - 121		
tert-Butylbenzene	19.4900	0.50	0.06	20.0000		97.4	84 - 130		
Tetrachloroethene	20.6000	0.50	0.07	20.0000		103	87 - 123		
Toluene	38.2700	0.50	0.07	40.0000		95.7	84 - 115		
trans-1,2-Dichloroethene	21.8400	0.50	0.11	20.0000		109	60 - 148		
trans-1,3-Dichloropropene	19.9400	0.50	0.04	20.0000		99.7	77 - 118		
Trichloroethene	20.4600	0.50	0.05	20.0000		102	79 - 129		
Trichlorofluoromethane	22.1200	0.50	0.14	20.0000		111	68 - 162		
Vinyl acetate	186.810	10	1.3	200.000		93.4	65 - 134		
Vinyl chloride	17.1200	0.50	0.05	20.0000		85.6	73 - 128		
Surrogate: 1,2-Dichloroethane-d4	26.43			25.0000		106	57 - 152		
Surrogate: 4-Bromofluorobenzene	26.97			25.0000		108	62 - 134		
Surrogate: Dibromofluoromethane	27.04			25.0000		108	56 - 167		
Surrogate: Toluene-d8	28.55			25.0000		114	33 - 170		

##### LCS Dup (B9C0716-BSD1)

Prepared: 3/26/2019 Analyzed: 3/26/2019

1,1,1,2-Tetrachloroethane	20.9400	0.50	0.11	20.0000		105	80 - 137	5.39	20
1,1,1-Trichloroethane	19.1700	0.50	0.18	20.0000		95.8	75 - 148	1.21	20
1,1,2,2-Tetrachloroethane	16.5800	0.50	0.17	20.0000		82.9	64 - 118	9.61	20
1,1,2-Trichloroethane	19.5800	0.50	0.12	20.0000		97.9	77 - 113	1.49	20
1,1-Dichloroethane	18.4700	0.50	0.16	20.0000		92.4	72 - 131	0.380	20
1,1-Dichloroethene	19.3700	0.50	0.09	20.0000		96.8	75 - 132	0.934	20
1,1-Dichloropropene	22.4000	0.50	0.21	20.0000		112	84 - 141	7.17	20
1,2,3-Trichloropropane	17.6300	0.50	0.16	20.0000		88.2	65 - 111	0.683	20
1,2,3-Trichlorobenzene	21.0600	0.50	0.12	20.0000		105	79 - 117	0.285	20
1,2,4-Trichlorobenzene	22.2400	0.50	0.12	20.0000		111	78 - 121	8.78	20
1,2,4-Trimethylbenzene	20.3600	0.50	0.08	20.0000		102	83 - 125	7.02	20
1,2-Dibromo-3-chloropropane	18.8900	0.50	0.24	20.0000		94.4	54 - 116	11.4	20
1,2-Dibromoethane	19.7900	0.50	0.11	20.0000		99.0	79 - 118	6.31	20
1,2-Dichlorobenzene	19.5100	0.50	0.09	20.0000		97.6	82 - 115	3.39	20
1,2-Dichloroethane	20.5000	0.50	0.19	20.0000		102	76 - 115	4.95	20





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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W (continued)

#### LCS Dup (B9C0716-BSD1) - Continued

Prepared: 3/26/2019 Analyzed: 3/26/2019

1,2-Dichloropropane	17.1300	0.50	0.36	20.0000		85.6	74 - 113	1.28	20
1,3,5-Trimethylbenzene	20.3400	0.50	0.05	20.0000		102	83 - 126	4.68	20
1,3-Dichlorobenzene	19.5500	0.50	0.10	20.0000		97.8	84 - 118	0.459	20
1,3-Dichloropropane	19.9000	0.50	0.07	20.0000		99.5	72 - 116	1.40	20
1,4-Dichlorobenzene	19.3500	0.50	0.07	20.0000		96.8	83 - 112	3.58	20
2,2-Dichloropropane	19.8000	0.50	0.16	20.0000		99.0	72 - 150	1.35	20
2-Chlorotoluene	19.1400	0.50	0.08	20.0000		95.7	82 - 120	6.53	20
4-Chlorotoluene	19.8200	0.50	0.08	20.0000		99.1	81 - 121	7.76	20
4-Isopropyltoluene	20.2000	0.50	0.06	20.0000		101	86 - 124	5.44	20
Benzene	40.6700	0.50	0.03	40.0000		102	81 - 118	7.92	20
Bromobenzene	19.4600	0.50	0.09	20.0000		97.3	82 - 117	4.95	20
Bromochloromethane	19.8700	0.50	0.24	20.0000		99.4	70 - 136	8.30	20
Bromodichloromethane	18.8200	0.50	0.14	20.0000		94.1	80 - 122	2.57	20
Bromoform	19.0100	0.50	0.13	20.0000		95.0	53 - 145	1.51	20
Bromomethane	18.6600	0.50	0.42	20.0000		93.3	30 - 204	3.99	20
Carbon disulfide	17.3100	1.0	0.12	20.0000		86.6	85 - 131	1.66	20
Carbon tetrachloride	21.4200	0.50	0.19	20.0000		107	77 - 157	6.41	20
Chlorobenzene	19.6100	0.50	0.07	20.0000		98.0	86 - 113	3.53	20
Chloroethane	19.4400	0.50	0.40	20.0000		97.2	70 - 160	7.48	20
Chloroform	18.9900	0.50	0.17	20.0000		95.0	66 - 136	1.59	20
Chloromethane	12.5200	0.50	0.08	20.0000		62.6	52 - 138	11.2	20
cis-1,2-Dichloroethene	20.2000	0.50	0.13	20.0000		101	71 - 128	4.35	20
cis-1,3-Dichloropropene	23.0400	0.50	0.05	20.0000		115	71 - 123	1.13	20
Di-isopropyl ether	19.0800	0.50	0.12	20.0000		95.4	64 - 123	23.4	20
Dibromochloromethane	19.0300	0.50	0.14	20.0000		95.2	78 - 140	5.87	20
Dibromomethane	19.2600	0.50	0.10	20.0000		96.3	78 - 109	5.88	20
Dichlorodifluoromethane	12.9000	0.50	0.10	20.0000		64.5	64 - 144	2.12	20
Ethyl Acetate	173.670	10	1.8	200.000		86.8	55 - 123	3.60	20
Ethyl Ether	180.240	10	1.3	200.000		90.1	74 - 122	1.73	20
Ethyl tert-butyl ether	20.0700	0.50	0.11	20.0000		100	72 - 120	3.81	20
Ethylbenzene	39.3900	0.50	0.07	40.0000		98.5	90 - 116	2.78	20
Freon-113	21.4500	0.50	0.17	20.0000		107	76 - 143	0.186	20
Hexachlorobutadiene	18.3500	0.50	0.14	20.0000		91.8	81 - 129	2.15	20
Isopropylbenzene	20.5700	0.50	0.05	20.0000		103	83 - 129	2.91	20
m,p-Xylene	41.2300	1.0	0.08	40.0000		103	88 - 124	0.0727	20
Methylene chloride	20.2900	1.0	0.46	20.0000		101	76 - 137	3.30	20
MTBE	20.5500	0.50	0.12	20.0000		103	67 - 121	1.37	20
n-Butylbenzene	18.9800	0.50	0.05	20.0000		94.9	83 - 129	5.97	20
n-Propylbenzene	19.2000	0.50	0.07	20.0000		96.0	85 - 124	5.73	20
Naphthalene	17.7300	0.50	0.15	20.0000		88.6	67 - 113	5.86	20
o-Xylene	43.1600	0.50	0.05	40.0000		108	82 - 129	2.13	20
sec-Butylbenzene	19.8200	0.50	0.04	20.0000		99.1	86 - 127	4.80	20

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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0716 - MSVOA\_W (continued)

##### LCS Dup (B9C0716-BSD1) - Continued

Prepared: 3/26/2019 Analyzed: 3/26/2019

Styrene	21.4500	0.50	0.06	20.0000		107	83 - 122	0.419	20
tert-Amyl methyl ether	18.9500	0.50	0.11	20.0000		94.8	61 - 114	2.62	20
tert-Butanol	94.1600	10	2.9	100.000		94.2	45 - 121	5.42	20
tert-Butylbenzene	20.4100	0.50	0.06	20.0000		102	84 - 130	4.61	20
Tetrachloroethene	19.8700	0.50	0.07	20.0000		99.4	87 - 123	3.61	20
Toluene	38.9200	0.50	0.07	40.0000		97.3	84 - 115	1.68	20
trans-1,2-Dichloroethene	20.7900	0.50	0.11	20.0000		104	60 - 148	4.93	20
trans-1,3-Dichloropropene	20.4200	0.50	0.04	20.0000		102	77 - 118	2.38	20
Trichloroethene	20.5300	0.50	0.05	20.0000		103	79 - 129	0.342	20
Trichlorofluoromethane	21.6700	0.50	0.14	20.0000		108	68 - 162	2.06	20
Vinyl acetate	200.990	10	1.3	200.000		100	65 - 134	7.31	20
Vinyl chloride	16.8400	0.50	0.05	20.0000		84.2	73 - 128	1.65	20
Surrogate: 1,2-Dichloroethane-d4	26.09			25.0000		104	57 - 152		
Surrogate: 4-Bromofluorobenzene	27.12			25.0000		108	62 - 134		
Surrogate: Dibromofluoromethane	26.71			25.0000		107	56 - 167		
Surrogate: Toluene-d8	28.67			25.0000		115	33 - 170		



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### Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W

##### Blank (B9C0769-BLK1)

Prepared: 3/27/2019 Analyzed: 3/27/2019

1,1,1,2-Tetrachloroethane	ND	0.50	0.11
1,1,1-Trichloroethane	ND	0.50	0.18
1,1,2,2-Tetrachloroethane	ND	0.50	0.17
1,1,2-Trichloroethane	ND	0.50	0.12
1,1-Dichloroethane	ND	0.50	0.16
1,1-Dichloroethene	ND	0.50	0.09
1,1-Dichloropropene	ND	0.50	0.21
1,2,3-Trichloropropane	ND	0.50	0.16
1,2,3-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trichlorobenzene	ND	0.50	0.12
1,2,4-Trimethylbenzene	ND	0.50	0.08
1,2-Dibromo-3-chloropropane	ND	0.50	0.24
1,2-Dibromoethane	ND	0.50	0.11
1,2-Dichlorobenzene	ND	0.50	0.09
1,2-Dichloroethane	ND	0.50	0.19
1,2-Dichloropropane	ND	0.50	0.36
1,3,5-Trimethylbenzene	ND	0.50	0.05
1,3-Dichlorobenzene	ND	0.50	0.10
1,3-Dichloropropane	ND	0.50	0.07
1,4-Dichlorobenzene	ND	0.50	0.07
2,2-Dichloropropane	ND	0.50	0.16
2-Chlorotoluene	ND	0.50	0.08
4-Chlorotoluene	ND	0.50	0.08
4-Isopropyltoluene	ND	0.50	0.06
Benzene	ND	0.50	0.03
Bromobenzene	ND	0.50	0.09
Bromochloromethane	ND	0.50	0.24
Bromodichloromethane	ND	0.50	0.14
Bromoform	ND	0.50	0.13
Bromomethane	ND	0.50	0.42
Carbon disulfide	ND	1.0	0.12
Carbon tetrachloride	ND	0.50	0.19
Chlorobenzene	ND	0.50	0.07
Chloroethane	ND	0.50	0.40
Chloroform	ND	0.50	0.17
Chloromethane	ND	0.50	0.08
cis-1,2-Dichloroethene	ND	0.50	0.13
cis-1,3-Dichloropropene	ND	0.50	0.05
Di-isopropyl ether	ND	0.50	0.12
Dibromochloromethane	ND	0.50	0.14
Dibromomethane	ND	0.50	0.10



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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W (continued)

##### Blank (B9C0769-BLK1) - Continued

Prepared: 3/27/2019 Analyzed: 3/27/2019

Dichlorodifluoromethane	ND	0.50	0.10
Ethyl Acetate	ND	10	1.8
Ethyl Ether	ND	10	1.3
Ethyl tert-butyl ether	ND	0.50	0.11
Ethylbenzene	ND	0.50	0.07
Freon-113	ND	0.50	0.17
Hexachlorobutadiene	ND	0.50	0.14
Isopropylbenzene	ND	0.50	0.05
m,p-Xylene	ND	1.0	0.08
Methylene chloride	ND	1.0	0.46
MTBE	ND	0.50	0.12
n-Butylbenzene	ND	0.50	0.05
n-Propylbenzene	ND	0.50	0.07
Naphthalene	ND	0.50	0.15
o-Xylene	ND	0.50	0.05
sec-Butylbenzene	ND	0.50	0.04
Styrene	ND	0.50	0.06
tert-Amyl methyl ether	ND	0.50	0.11
tert-Butanol	ND	10	2.9
tert-Butylbenzene	ND	0.50	0.06
Tetrachloroethene	ND	0.50	0.07
Toluene	ND	0.50	0.07
trans-1,2-Dichloroethene	ND	0.50	0.11
trans-1,3-Dichloropropene	ND	0.50	0.04
Trichloroethene	ND	0.50	0.05
Trichlorofluoromethane	ND	0.50	0.14
Vinyl acetate	ND	10	1.3
Vinyl chloride	ND	0.50	0.05

Surrogate: 1,2-Dichloroethane-d4	26.94		25.0000	108	57 - 152
Surrogate: 4-Bromofluorobenzene	25.88		25.0000	104	62 - 134
Surrogate: Dibromofluoromethane	27.63		25.0000	111	56 - 167
Surrogate: Toluene-d8	26.43		25.0000	106	33 - 170

##### LCS (B9C0769-BS1)

Prepared: 3/27/2019 Analyzed: 3/27/2019

1,1,1,2-Tetrachloroethane	20.0700	0.50	0.11	20.0000	100	80 - 137
1,1,1-Trichloroethane	18.9700	0.50	0.18	20.0000	94.8	75 - 148
1,1,2,2-Tetrachloroethane	15.8900	0.50	0.17	20.0000	79.4	64 - 118
1,1,2-Trichloroethane	20.4700	0.50	0.12	20.0000	102	77 - 113
1,1-Dichloroethane	18.9800	0.50	0.16	20.0000	94.9	72 - 131
1,1-Dichloroethene	19.3000	0.50	0.09	20.0000	96.5	75 - 132
1,1-Dichloropropene	20.8500	0.50	0.21	20.0000	104	84 - 141





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### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W (continued)

##### LCS (B9C0769-BS1) - Continued

Prepared: 3/27/2019 Analyzed: 3/27/2019

1,2,3-Trichloropropane	17.4900	0.50	0.16	20.0000		87.4	65 - 111		
1,2,3-Trichlorobenzene	19.3500	0.50	0.12	20.0000		96.8	79 - 117		
1,2,4-Trichlorobenzene	19.6300	0.50	0.12	20.0000		98.2	78 - 121		
1,2,4-Trimethylbenzene	18.5400	0.50	0.08	20.0000		92.7	83 - 125		
1,2-Dibromo-3-chloropropane	15.8600	0.50	0.24	20.0000		79.3	54 - 116		
1,2-Dibromoethane	20.1600	0.50	0.11	20.0000		101	79 - 118		
1,2-Dichlorobenzene	18.0200	0.50	0.09	20.0000		90.1	82 - 115		
1,2-Dichloroethane	19.4100	0.50	0.19	20.0000		97.0	76 - 115		
1,2-Dichloropropane	17.6700	0.50	0.36	20.0000		88.4	74 - 113		
1,3,5-Trimethylbenzene	18.9700	0.50	0.05	20.0000		94.8	83 - 126		
1,3-Dichlorobenzene	18.4800	0.50	0.10	20.0000		92.4	84 - 118		
1,3-Dichloropropane	19.7700	0.50	0.07	20.0000		98.8	72 - 116		
1,4-Dichlorobenzene	18.0500	0.50	0.07	20.0000		90.2	83 - 112		
2,2-Dichloropropane	19.9300	0.50	0.16	20.0000		99.6	72 - 150		
2-Chlorotoluene	18.1200	0.50	0.08	20.0000		90.6	82 - 120		
4-Chlorotoluene	18.2400	0.50	0.08	20.0000		91.2	81 - 121		
4-Isopropyltoluene	18.4500	0.50	0.06	20.0000		92.2	86 - 124		
Benzene	37.9700	0.50	0.03	40.0000		94.9	81 - 118		
Bromobenzene	18.0000	0.50	0.09	20.0000		90.0	82 - 117		
Bromochloromethane	20.6000	0.50	0.24	20.0000		103	70 - 136		
Bromodichloromethane	19.4000	0.50	0.14	20.0000		97.0	80 - 122		
Bromoform	17.9800	0.50	0.13	20.0000		89.9	53 - 145		
Bromomethane	15.0700	0.50	0.42	20.0000		75.4	30 - 204		
Carbon disulfide	17.5100	1.0	0.12	20.0000		87.6	85 - 131		
Carbon tetrachloride	20.9300	0.50	0.19	20.0000		105	77 - 157		
Chlorobenzene	18.8900	0.50	0.07	20.0000		94.4	86 - 113		
Chloroethane	19.5300	0.50	0.40	20.0000		97.6	70 - 160		
Chloroform	19.3100	0.50	0.17	20.0000		96.6	66 - 136		
Chloromethane	12.9800	0.50	0.08	20.0000		64.9	52 - 138		
cis-1,2-Dichloroethene	20.2900	0.50	0.13	20.0000		101	71 - 128		
cis-1,3-Dichloropropene	24.0800	0.50	0.05	20.0000		120	71 - 123		
Di-isopropyl ether	20.1800	0.50	0.12	20.0000		101	64 - 123		
Dibromochloromethane	18.5100	0.50	0.14	20.0000		92.6	78 - 140		
Dibromomethane	18.6300	0.50	0.10	20.0000		93.2	78 - 109		
Dichlorodifluoromethane	12.2100	0.50	0.10	20.0000		61.0	64 - 144		
Ethyl Acetate	178.970	10	1.8	200.000		89.5	55 - 123		
Ethyl Ether	181.890	10	1.3	200.000		90.9	74 - 122		
Ethyl tert-butyl ether	21.2600	0.50	0.11	20.0000		106	72 - 120		
Ethylbenzene	37.8700	0.50	0.07	40.0000		94.7	90 - 116		
Freon-113	22.4400	0.50	0.17	20.0000		112	76 - 143		
Hexachlorobutadiene	17.6900	0.50	0.14	20.0000		88.4	81 - 129		
Isopropylbenzene	19.3900	0.50	0.05	20.0000		97.0	83 - 129		

L4



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W (continued)

##### LCS (B9C0769-BS1) - Continued

Prepared: 3/27/2019 Analyzed: 3/27/2019

m,p-Xylene	41.0800	1.0	0.08	40.0000		103	88 - 124		
Methylene chloride	20.9600	1.0	0.46	20.0000		105	76 - 137		
MTBE	21.5900	0.50	0.12	20.0000		108	67 - 121		
n-Butylbenzene	17.5100	0.50	0.05	20.0000		87.6	83 - 129		
n-Propylbenzene	17.7100	0.50	0.07	20.0000		88.6	85 - 124		
Naphthalene	16.2400	0.50	0.15	20.0000		81.2	67 - 113		
o-Xylene	41.2000	0.50	0.05	40.0000		103	82 - 129		
sec-Butylbenzene	18.1200	0.50	0.04	20.0000		90.6	86 - 127		
Styrene	21.1700	0.50	0.06	20.0000		106	83 - 122		
tert-Amyl methyl ether	19.4500	0.50	0.11	20.0000		97.2	61 - 114		
tert-Butanol	97.7700	10	2.9	100.000		97.8	45 - 121		
tert-Butylbenzene	18.4400	0.50	0.06	20.0000		92.2	84 - 130		
Tetrachloroethene	18.8300	0.50	0.07	20.0000		94.2	87 - 123		
Toluene	39.6000	0.50	0.07	40.0000		99.0	84 - 115		
trans-1,2-Dichloroethene	20.7900	0.50	0.11	20.0000		104	60 - 148		
trans-1,3-Dichloropropene	20.5800	0.50	0.04	20.0000		103	77 - 118		
Trichloroethene	20.7200	0.50	0.05	20.0000		104	79 - 129		
Trichlorofluoromethane	21.7700	0.50	0.14	20.0000		109	68 - 162		
Vinyl acetate	211.540	10	1.3	200.000		106	65 - 134		
Vinyl chloride	16.5900	0.50	0.05	20.0000		83.0	73 - 128		
Surrogate: 1,2-Dichloroethane-d4	24.98			25.0000		99.9	57 - 152		
Surrogate: 4-Bromofluorobenzene	25.92			25.0000		104	62 - 134		
Surrogate: Dibromofluoromethane	26.58			25.0000		106	56 - 167		
Surrogate: Toluene-d8	29.33			25.0000		117	33 - 170		

##### LCS Dup (B9C0769-BS1)

Prepared: 3/27/2019 Analyzed: 3/27/2019

1,1,1,2-Tetrachloroethane	18.8100	0.50	0.11	20.0000		94.0	80 - 137	6.48	20
1,1,1-Trichloroethane	18.1800	0.50	0.18	20.0000		90.9	75 - 148	4.25	20
1,1,2,2-Tetrachloroethane	16.3100	0.50	0.17	20.0000		81.6	64 - 118	2.61	20
1,1,2-Trichloroethane	19.2600	0.50	0.12	20.0000		96.3	77 - 113	6.09	20
1,1-Dichloroethane	18.0100	0.50	0.16	20.0000		90.0	72 - 131	5.24	20
1,1-Dichloroethene	17.4500	0.50	0.09	20.0000		87.2	75 - 132	10.1	20
1,1-Dichloropropene	20.1900	0.50	0.21	20.0000		101	84 - 141	3.22	20
1,2,3-Trichloropropane	18.5600	0.50	0.16	20.0000		92.8	65 - 111	5.94	20
1,2,3-Trichlorobenzene	20.9200	0.50	0.12	20.0000		105	79 - 117	7.80	20
1,2,4-Trichlorobenzene	21.0600	0.50	0.12	20.0000		105	78 - 121	7.03	20
1,2,4-Trimethylbenzene	19.7500	0.50	0.08	20.0000		98.8	83 - 125	6.32	20
1,2-Dibromo-3-chloropropane	18.3900	0.50	0.24	20.0000		92.0	54 - 116	14.8	20
1,2-Dibromoethane	18.5900	0.50	0.11	20.0000		93.0	79 - 118	8.10	20
1,2-Dichlorobenzene	18.8900	0.50	0.09	20.0000		94.4	82 - 115	4.71	20
1,2-Dichloroethane	19.0800	0.50	0.19	20.0000		95.4	76 - 115	1.71	20



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W (continued)

#### LCS Dup (B9C0769-BSD1) - Continued

Prepared: 3/27/2019 Analyzed: 3/27/2019

1,2-Dichloropropane	16.7600	0.50	0.36	20.0000		83.8	74 - 113	5.29	20	
1,3,5-Trimethylbenzene	19.2800	0.50	0.05	20.0000		96.4	83 - 126	1.62	20	
1,3-Dichlorobenzene	18.9700	0.50	0.10	20.0000		94.8	84 - 118	2.62	20	
1,3-Dichloropropane	21.2500	0.50	0.07	20.0000		106	72 - 116	7.22	20	
1,4-Dichlorobenzene	18.1500	0.50	0.07	20.0000		90.8	83 - 112	0.552	20	
2,2-Dichloropropane	18.8400	0.50	0.16	20.0000		94.2	72 - 150	5.62	20	
2-Chlorotoluene	18.6400	0.50	0.08	20.0000		93.2	82 - 120	2.83	20	
4-Chlorotoluene	19.0800	0.50	0.08	20.0000		95.4	81 - 121	4.50	20	
4-Isopropyltoluene	19.0400	0.50	0.06	20.0000		95.2	86 - 124	3.15	20	
Benzene	37.9300	0.50	0.03	40.0000		94.8	81 - 118	0.105	20	
Bromobenzene	19.0100	0.50	0.09	20.0000		95.0	82 - 117	5.46	20	
Bromochloromethane	20.5500	0.50	0.24	20.0000		103	70 - 136	0.243	20	
Bromodichloromethane	17.5900	0.50	0.14	20.0000		88.0	80 - 122	9.79	20	
Bromoform	18.4200	0.50	0.13	20.0000		92.1	53 - 145	2.42	20	
Bromomethane	13.3000	0.50	0.42	20.0000		66.5	30 - 204	12.5	20	
Carbon disulfide	15.9200	1.0	0.12	20.0000		79.6	85 - 131	9.51	20	L4
Carbon tetrachloride	18.7200	0.50	0.19	20.0000		93.6	77 - 157	11.1	20	
Chlorobenzene	18.4400	0.50	0.07	20.0000		92.2	86 - 113	2.41	20	
Chloroethane	18.9300	0.50	0.40	20.0000		94.6	70 - 160	3.12	20	
Chloroform	18.3200	0.50	0.17	20.0000		91.6	66 - 136	5.26	20	
Chloromethane	12.3300	0.50	0.08	20.0000		61.6	52 - 138	5.14	20	
cis-1,2-Dichloroethene	20.0600	0.50	0.13	20.0000		100	71 - 128	1.14	20	
cis-1,3-Dichloropropene	20.0600	0.50	0.05	20.0000		100	71 - 123	18.2	20	
Di-isopropyl ether	19.1000	0.50	0.12	20.0000		95.5	64 - 123	5.50	20	
Dibromochloromethane	19.4000	0.50	0.14	20.0000		97.0	78 - 140	4.70	20	
Dibromomethane	17.5700	0.50	0.10	20.0000		87.8	78 - 109	5.86	20	
Dichlorodifluoromethane	11.2800	0.50	0.10	20.0000		56.4	64 - 144	7.92	20	L4
Ethyl Acetate	184.840	10	1.8	200.000		92.4	55 - 123	3.23	20	
Ethyl Ether	172.340	10	1.3	200.000		86.2	74 - 122	5.39	20	
Ethyl tert-butyl ether	20.1600	0.50	0.11	20.0000		101	72 - 120	5.31	20	
Ethylbenzene	37.6600	0.50	0.07	40.0000		94.2	90 - 116	0.556	20	
Freon-113	18.9400	0.50	0.17	20.0000		94.7	76 - 143	16.9	20	
Hexachlorobutadiene	18.0600	0.50	0.14	20.0000		90.3	81 - 129	2.07	20	
Isopropylbenzene	20.4000	0.50	0.05	20.0000		102	83 - 129	5.08	20	
m,p-Xylene	40.9700	1.0	0.08	40.0000		102	88 - 124	0.268	20	
Methylene chloride	19.2500	1.0	0.46	20.0000		96.2	76 - 137	8.51	20	
MTBE	20.2100	0.50	0.12	20.0000		101	67 - 121	6.60	20	
n-Butylbenzene	18.0000	0.50	0.05	20.0000		90.0	83 - 129	2.76	20	
n-Propylbenzene	18.2700	0.50	0.07	20.0000		91.4	85 - 124	3.11	20	
Naphthalene	17.6200	0.50	0.15	20.0000		88.1	67 - 113	8.15	20	
o-Xylene	40.9400	0.50	0.05	40.0000		102	82 - 129	0.633	20	
sec-Butylbenzene	18.9100	0.50	0.04	20.0000		94.6	86 - 127	4.27	20	



## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B9C0769 - MSVOA\_W (continued)

##### LCS Dup (B9C0769-BSD1) - Continued

Prepared: 3/27/2019 Analyzed: 3/27/2019

Styrene	20.8100	0.50	0.06	20.0000		104	83 - 122	1.72	20
tert-Amyl methyl ether	20.4900	0.50	0.11	20.0000		102	61 - 114	5.21	20
tert-Butanol	95.7900	10	2.9	100.000		95.8	45 - 121	2.05	20
tert-Butylbenzene	19.4200	0.50	0.06	20.0000		97.1	84 - 130	5.18	20
Tetrachloroethene	19.0600	0.50	0.07	20.0000		95.3	87 - 123	1.21	20
Toluene	34.0400	0.50	0.07	40.0000		85.1	84 - 115	15.1	20
trans-1,2-Dichloroethene	20.1700	0.50	0.11	20.0000		101	60 - 148	3.03	20
trans-1,3-Dichloropropene	18.9400	0.50	0.04	20.0000		94.7	77 - 118	8.30	20
Trichloroethene	19.6000	0.50	0.05	20.0000		98.0	79 - 129	5.56	20
Trichlorofluoromethane	20.3000	0.50	0.14	20.0000		102	68 - 162	6.99	20
Vinyl acetate	196.140	10	1.3	200.000		98.1	65 - 134	7.55	20
Vinyl chloride	15.3600	0.50	0.05	20.0000		76.8	73 - 128	7.70	20
Surrogate: 1,2-Dichloroethane-d4	26.49			25.0000		106	57 - 152		
Surrogate: 4-Bromofluorobenzene	26.25			25.0000		105	62 - 134		
Surrogate: Dibromofluoromethane	26.79			25.0000		107	56 - 167		
Surrogate: Toluene-d8	26.70			25.0000		107	33 - 170		





## Certificate of Analysis

C. James & Associates Inc.

PO Box 4832

Oceanside , CA 92052

Project Number : CARLEN PLAZA, 01915

Report To : Michael Anselmo

Reported : 03/28/2019

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
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)

#### 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 RECORD  
Page 1 of 2

For Laboratory Use Only ATL/COC Ver:20180321

Method of Transport		Sample Conditions Upon Receipt	
Condition	Y	N	Condition
<input checked="" type="checkbox"/> Client			1. CHILLED
<input type="checkbox"/> FedEx			2. HEADSPACE (VDA)
<input type="checkbox"/> GSO			3. CONTAINER INTACT
<input type="checkbox"/> Other			4. SEALED

5. # OF SAMPLES MATCH COC ☐ Y ☐ N  
6. PRESERVED ☒ Y ☐ N  
7. COOLER TEMP. deg. C: 58  
8. 19

Instruction: Complete all shaded areas.

Company: <b>C. JAMES &amp; ASSOCIATES INC</b>		Address: _____		Tel: _____	
Attn: <b>M. ANSELMO</b>		City: _____		Fax: _____	
Company: _____		State: _____		Zip: _____	
Address: <b>P.O. Box 4832</b>		Email: <b>cjames@reagan.com</b>		same as SEND REPORT TO	
City: <b>OAKENSIDE</b>		Attn: _____		Email: _____	
State: <b>CA</b>		Company: _____		EDD <input checked="" type="checkbox"/> Excel <input type="checkbox"/> QEDF <input type="checkbox"/> Legal <input type="checkbox"/> Equis <input type="checkbox"/> QA/QC	
Zip: <b>92052</b>		Address: _____		<input type="checkbox"/> Routine <input type="checkbox"/> Caltrans <input type="checkbox"/> Legal <input type="checkbox"/> RWQCB <input type="checkbox"/> Level IV <input type="checkbox"/>	
City: _____		State: _____		Zip: _____	

ITEM	Laboratory ID (For Lab Use Only)	Sample ID / Location	Sample Description		Date	Time	Requested Analysis	Sample Matrix	Turnaround Time (TAT)	Quantity	Container	Remarks
			Quote #	PO #								
1	1901081-01	MW-1			3/20/19	08:43	8260 / 624 (Volatiles)					
2		MW-2				12:28	8081 (Organochlorine Pesticides)					
3		MW-3				13:45	8015 (DRO)					
4		MW-4				13:19	8015 (GRO)					
5		MW-5				12:05	8270 (Semi-volatiles)					
6		MW-6				11:26	6010 / 7000 (Title 22 Metals)					
7		MW-7				09:41	TO-15					
8		MW-8				09:13						
9		MW-9				10:30						
10		MW-10										

regenerated/reformatted report; \$35 per processed EDD.

10. Rush TAT/STL samples: add 2 days to analysis TAT for extraction procedure.

11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

12. The laboratory will randomly select from all QC samples received the sample to spike for Matrix Spike/Matrix Spike Duplicate (MS/MSD) at no cost. However, if you want the laboratory to additionally perform MS/MSD on your sample, a charge will be assessed for the specific sample used.

6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.

7. Electronic records maintained for five (5) years from report date.

8. Hard copy reports will be disposed of after 45 calendar days from report date.

9. Storage and Report Fees:

- Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20 sample/week if extended storage is requested.
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per sample.

to the subcontract lab -- ask for quote.

6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.

7. Electronic records maintained for five (5) years from report date.

8. Hard copy reports will be disposed of after 45 calendar days from report date.

9. Storage and Report Fees:

- Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20 sample/week if extended storage is requested.
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per sample.

Received by: (Signature and Printed Name)		Date:	
	M. K. P.	3/20/19	16:00
Received by: (Signature and Printed Name)		Date:	
	M. K. P.		
Received by: (Signature and Printed Name)		Date:	
	M. K. P.		

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

**SCOTT GREEN**  
Printed Name

Signature

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCCOC Ver:20180321	
Method of Transport		Sample Conditions Upon Receipt	
<input type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____		<input type="checkbox"/> Y <input type="checkbox"/> N Condition	
<input type="checkbox"/> ATL <input type="checkbox"/> OnTrac		<input type="checkbox"/> 1. CHILLED <input type="checkbox"/> 2. HEADSPACE (VOA) <input type="checkbox"/> 3. CONTAINER INTACT <input type="checkbox"/> 4. SEALED	
Company: <b>C. JAMES &amp; ASSOCIATES, INC.</b>		Tel: _____	
Attn: <b>M. ANSELMO</b>		Fax: _____	
Company: _____		State: _____ Zip: _____	
Address: <b>P.O. Box 4832</b>		same as SEND REPORT TO	
City: <b>OCEANSIDE</b>		Email: _____	
State: <b>CA</b>		Zip: _____	
Quote #: _____		Special Instructions/Comments: _____	
PO #: _____		_____	
Project Name: <b>CARLEN PLAZA</b>		_____	
Project No.: <b>01915</b>		_____	
Sampler: <b>BLAINE TECH</b>		_____	
Laboratory ID (For Lab Use Only)		Sample Description	
Sample ID / Location		Date	
Date		Time	
1 1901081-10		3/20/19 07:38	
2 1-11		" 08:08	
3			
4			
5			
6			
7			
8			
9			
10			
Requested Analysis		Sample Matrix	
8260 / 624 (Volatiles)		SOIL	
8015 (GRO)		GROUNDWATER	
8015 (DRO)		WASTEWATER	
8081 (Organochlorine Pesticides)		OIL	
8082 (PCBs)			
8270 (Semi-volatiles)			
6010 / 7000 (Title 22 Metals)			
TO-15			
Turnaround Time (TAT)		Quantity	
5 3 2 1 1		5 3 2 1 1	
Remarks		Material: 1-Glass, 2-Plastic, 3-Metal Type: 1-Tube, 2-VOA, 3-Liter, 4-Pint, 5-Liter, 6-Tedlar, 7 = Canister Preservative: 1-HCl, 2-HNO3, 3-H2SO4, 4-C, 5-Zn(Ac)2, 6-NaOH, 7-NA2S2O3	
Container		QA/QC <input type="checkbox"/> Excel <input checked="" type="checkbox"/> EDD <input type="checkbox"/> Equis <input type="checkbox"/> Legal <input type="checkbox"/> RWQGB <input type="checkbox"/> Level IV <input type="checkbox"/> _____	
Company: _____		Tel: _____	
Attn: _____		Fax: _____	
Company: _____		State: _____ Zip: _____	
Address: _____		same as SEND REPORT TO	
City: _____		Email: _____	
State: _____		Zip: _____	
Quote #: _____		Special Instructions/Comments: _____	
PO #: _____		_____	
Project Name: _____		_____	
Project No.: _____		_____	
Sampler: _____		_____	
Laboratory ID (For Lab Use Only)		Sample Description	
Sample ID / Location		Date	
Date		Time	
1 1901081-10		3/20/19 07:38	
2 1-11		" 08:08	
3			
4			
5			
6			
7			
8			
9			
10			
Requested Analysis		Sample Matrix	
8260 / 624 (Volatiles)		SOIL	
8015 (GRO)		GROUNDWATER	
8015 (DRO)		WASTEWATER	
8081 (Organochlorine Pesticides)		OIL	
8082 (PCBs)			
8270 (Semi-volatiles)			
6010 / 7000 (Title 22 Metals)			
TO-15			
Turnaround Time (TAT)		Quantity	
5 3 2 1 1		5 3 2 1 1	
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**SOIL GAS INVESTIGATION REPORT  
FORMER CROWN CLEANERS  
24601 Raymond Way  
Lake Forest, California**

**SARWQCB Case No. 2080155  
Global ID: T10000009409**

**July 14, 2017**

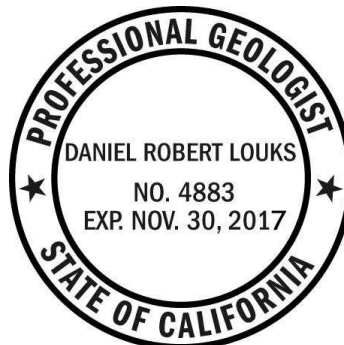
**Prepared For: Mr. Rod Valverde  
MILAN CAPITAL MANAGEMENT, INC.  
888 South Disneyland Drive, Suite 101  
Anaheim, California 92802**

**Prepared By: GSA ENGINEERING, INC.  
16950 Avenida de Santa Ynez  
Pacific Palisades, CA 90272  
Tel: (310) 459-7320  
Email: [dan@gsaengineering.net](mailto:dan@gsaengineering.net)**

**Written By:**



**Dan Louks  
Professional Geologist #4883**





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## 1.0 INTRODUCTION

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This report presents the results of a supplemental soil gas investigation performed at the former Crown Cleaners site located at 24601 Raymond Way in Lake Forest, California. This work was required by the Santa Ana Regional Water Quality Control Board (SARWQCB) in its oversight of the project, which has subsurface impacts from a release of tetrachloroethene (PCE). This work was intended to provide an updated and more comprehensive evaluation of PCE distribution in soil and soil gas media at the site and in surrounding areas. The scope of work was presented in L. Joseph Associates, LLC (LJA) *"Soil Vapor Mitigation Plan"* dated February 17, 2017, and conditionally approved by SARWQCB by email correspondence dated March 3, 2017. GSA Engineering, Inc. (GSA) has been contracted to complete the work and prepare this report of findings.

## 2.0 BACKGROUND

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The subject property consists of a 3.5-acre retail center known as Carlen Plaza located on the northern corner of Raymond Way and El Toro Road in Lake Forest, California (**Figure 1**). An L-shaped, multi-tenant retail building addressed as 24601 Raymond Way is located along the northern portion of the property, and a restaurant building addressed as 23501 El Toro Road is located in the southern corner of the site. A former dry cleaning facility identified as Crown Cleaners occupied Suite 15 of the 24601 Raymond Way building from the time the property was developed in the late-1970s until approximately 2010, when the site was vacated and the dry cleaning equipment was removed. This suite is currently occupied by Impressions Beauty Salon and Supply (**Figure 2**).

In November 2009, Avalon Environmental Consultants (AEC) installed three soil borings (GP1-GP3) to 20 feet below grade in targeted areas near the dry cleaning equipment. Soil samples were obtained for laboratory analysis at 1, 5, 10, and 20 feet below grade in each boring. Results of laboratory analysis indicated each boring had samples with detectable levels of PCE with concentrations ranging up to 94 µg/Kg as found in sample GP2-20, the deepest sample in the boring. Borings GP1 and GP3 displayed a similar vertical profile with the highest concentrations found at 10 or 20 feet below grade (maximum concentrations of 30 and 85 µg/Kg, respectively). No TCE or other VOC was detected in the samples.

In December 2010, LJA continued the subsurface investigation and installed four additional soil borings (B1-B4) to 25-30 feet below grade in similar locations to the GP1-GP3 series of borings (**Figure 3B**). Groundwater was encountered during drilling and the borings were terminated without well installation. Results of laboratory analysis indicated a maximum of 190 µg/Kg PCE in soil sample B4-25. In addition, three of the four borings had detectable levels of PCE in the deepest soil sample. No VOC other than PCE was detected in these soil samples.

In June 2011, LJA installed four groundwater monitoring wells (MW1-MW4) at the site. Well MW2 was installed where the removed dry cleaning machine had been. Wells MW3 and MW4 were also installed in indoor locations in the former Crown Cleaners suite. Well MW1 was installed just behind the building to the north. The wells were installed to 35-40 feet below grade and were screened from 15 feet below grade to maximum depth. Soil samples were preserved for laboratory analysis between 20 and 40 feet below grade to attempt to define the vertical extent of contamination. Results indicated the deepest samples from MW1, MW2, and MW4 had less than detectable or very low concentrations of PCE with a maximum of 34 µg/Kg. Soil samples MW3-30 and MW3-35 had among the highest concentrations with 220 and 96 µg/Kg PCE, respectively.

In January-March 2012, LJA installed six additional groundwater monitoring wells (MW5-MW10) to attempt to define the lateral extent of contamination. Wells MW5, MW6, MW9, and MW10 were installed in adjoining suites and wells MW7 and MW8 were installed outside the building to the southwest and northeast (**Figure 3A**). The wells were installed to 30-35 feet below grade and screened from 15 feet to maximum depth. The well construction details are summarized in **Table 1**. Soil samples were obtained during drilling at 15-20 feet below grade for laboratory analysis. Results indicated each sample except MW7-15 had less than detectable levels of PCE. This sample had just 14 µg/Kg PCE. The soil sampling data is summarized in **Table 2**. The pre-remediation distribution of PCE in soil is depicted in figures prepared by LJA and included as **Appendix A**.

Groundwater monitoring at the site since 2011 indicates a fairly stable water table that has steadily dropped about 3 feet in elevation to its current level at about 24-25 feet below grade. The dissolved levels have fluctuated somewhat over time, particularly in wells MW1 and MW6 which have ranged from less than 5 µg/L PCE (MCL) to greater than 700 µg/L PCE. Typically, indoor wells MW2, MW3, MW4 and MW5 have the highest dissolved levels usually with greater than 100 µg/L PCE. Other VOC have not been detected in significant concentrations on a consistent basis. The historical groundwater monitoring and sampling data is summarized in **Table 3**.

In July 2014, LJA initiated interim remedial action at the site. A vapor extraction/dual phase extraction system was installed and operated using wells MW1, MW3, MW5, MW6, MW9, and MW10 for extraction. Each well is connected by underground 1.5-inch conveyance piping to a treatment compound area outside the building. Each well is equipped with a dedicated valve so that wells can be operated in multiple configurations. The system includes a high flow, moderate vacuum, 11 hp, 2-stage regenerative blower, capable of extracting up to 250 cfm and inducing a vacuum of 195 in. WC. The unit also has a 50-gallon water condenser tank and centrifugal pump to transport groundwater from the tank through the groundwater treatment media and into an appropriate storage container. The system operated until May 2017 when it was shut down pending this soil gas investigation. The treatment system is located just north of the building as indicated on **Figures 3A and 3B**.

## **2.1 Vicinity Dry Cleaner Information**

Four former or existing dry cleaning operations (including the subject site) have been identified in the near vicinity of the property. These have been identified as the former Orange Tree Plaza Dry Cleaners (OTP) located east of the site across El Toro Road at 23532 El Toro Road, the former Silver Dry Cleaners site (Silver) located south of the site at 23684 El Toro Road, and the existing Spic N Span Dry Cleaners located northeast of the site at 23374 El Toro Road. The locations of each are indicated on **Figure 1A**.

Subsurface investigations have been conducted at the first two sites, but the Spic N Span site has not been investigated yet based on information available on the GeoTracker website. Each of the three sites where subsurface investigations were conducted has had significant impacts by PCE in soil, soil gas, and groundwater media and interim remedial efforts have been conducted at each of the three sites (including the subject site).

Drilling at the former Silver Dry Cleaners site conducted by PES Environmental Inc. (PES) indicated the lithologic section consists mostly of silty sand and sandy silt deposits that extend to about 20-25 feet below grade. Saturated sediment was encountered within this upper unit (at 12-20 feet), underlain by a “dry to moist clay or dense silt” layer at 20-24 feet below grade. This unit was underlain by the silty sand/sandy silt



deposits typical of the upper unit. The presence of this finer grained layer and the noted decrease in moisture content led PES to install shallow and deep groundwater monitoring wells to investigate the possibility of multiple hydraulic zones. However, results from groundwater monitoring since the wells were installed revealed very similar groundwater elevations and flow directions between the two intervals. In addition, PES identified significant dissolved PCE concentrations in groundwater upgradient (north) of the Silver Dry Cleaners site, and concluded that groundwater contamination from the OTP site had migrated onto the Orchard Shopping Center property (formerly occupied by Silver).

SARWQCB provides regulatory oversight for all three sites and was concerned that there might be comingling of plumes and the possibility of multiple differentiated groundwater zones. Accordingly, SARWQCB required specific supplemental groundwater investigations at the OTP and former Crown Cleaners sites. These investigations included cone penetrometer testing (CPT) of the subsurface sediment and discrete in-situ groundwater sampling across different depths to determine if there were multiple hydraulic zones of significance.

## **2.2 Supplemental Groundwater Investigation**

In April-May 2017, LJA conducted the required in-situ groundwater investigation. Results of CPT testing were inconclusive as far as defining separate hydraulic zones in the saturated section (ranging from 25 to 40 feet below grade). This data is consistent with the CPT results at the OTP site located across El Toro Road, where there was no evidence of a laterally continuous deeper water bearing zone, but rather an undifferentiated shallow water zone that extended to the maximum depth of investigation.

The in-situ groundwater sampling program included attempts to obtain groundwater samples from discrete depths at targeted intervals provided by SARWQCB. In several cases, groundwater samples could not be obtained from the shallow target (24-27 feet) or the deep target (40-44 feet), but most locations were able to be sampled at the 29-32 foot interval. This data is consistent with the results from the OTP site, where numerous attempts at sampling distinct intervals were unsuccessful. In addition, the groundwater zone was very slow to produce groundwater and in many instances required several hours to produce sufficient quantities for sampling. This corresponds well with the dual phase program at the site which has apparently produced very low groundwater flows over time (6,861 gallons over 2+ years of operation).

Results from in-situ groundwater sampling indicated just one sample had PCE levels greater than MCL levels with 33 µg/L detected in sample GW9, from a depth range of 24 to 27 feet below grade. Slightly deeper samples (29-32 feet) in this same location did not have detectable levels of PCE. Some samples had low levels of carbon tetrachloride with a maximum of 0.56 µg/L; however, no other VOC was detected with concentrations greater than California MCL levels. These results are summarized in **Table 4**.

Based on these results, the dissolved PCE plume was reasonably defined in all directions except to the northeast. In addition, the data indicate no significant differences in the hydrogeologic section that are suggestive of multiple significant hydraulic zones. Although there are likely small variations in the hydraulics that could feature limited confining pressures, the saturated zone appears to be best interpreted as a transitional zone from an unconfined shallow saturated zone to a semi-permeable, semi-consolidated, variable bedrock interface that apparently has an irregular surface ranging from approximately 35-50 feet below grade.

### 3.0 GEOLOGY/HYDROGEOLOGY

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The local geology features Miocene and Pliocene age marine deposits that have been uplifted, faulted, and dissected by stream erosion from Aliso Creek and are exposed along the surrounding hillsides. These formations consist of dense sandstone and siltstone known as the Niguel and Monterey formations. The lowland basins are filled with alluvium deposits derived from marine terrace deposits. These are underlain by the older and harder Pliocene and Miocene bedrock. The local unconsolidated material consists of mixed silty clay, silt, and silty sand deposits with no apparent macro-layering pattern.

The site lies outside the boundaries of the groundwater basins delineated by the California Department of Water Resources and the nearest basin is the Coastal Plain of Orange County located northwest of the property. The site overlies an area of limited water bearing deposits and is reportedly a poor and unreliable source of groundwater. Groundwater monitoring at the former Silver Cleaners site and the OTP site confirm a relatively flat south-southwesterly hydraulic gradient of about 0.007 ft/ft. Groundwater levels in both shallow and deep wells at the Silver Cleaners site exhibit very similar elevations and flow directions, suggesting direct hydraulic communication between the intervals.

Static groundwater at the Crown Cleaners site currently lies at about 24-25 feet below grade. The groundwater elevations 5+ years ago were about 3 feet higher and the recent steady decline may be a result of the current drought conditions in southern California. Previous groundwater monitoring data from the site indicates a complicated groundwater flow pattern that trends roughly to the northeast but is likely influenced by the (then) ongoing dual phase extraction system operations.

### 4.0 SOIL GAS INVESTIGATION

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On June 20-21, 2017, a hydraulic direct push GeoProbe type drilling rig provided by Interphase Environmental, Inc. was used to advance 12 borings (VP1-VP12) in targeted areas approved by SARWQCB. This drilling method uses 1-¼ -inch diameter rods that are driven to specific depths for soil sampling. At the required depth the rods are retrieved from the hole and a soil sampling tool is installed and driven into the undisturbed soil. The tool is lined with an acetate tube, which is retrieved from the tool after sampling. All sampling equipment was washed in a detergent solution and rinsed with water between sampling events to prevent cross-contamination. The boring locations are shown on **Figure 4**.

During drilling, the soil column was logged by a California Professional Geologist. Results indicated a mixed sequence of material consisting mostly of silty clay in the upper 10 feet of section, underlain by silty sand and clayey sand at 15 feet below grade, the maximum depth of exploration. The drilling logs include sediment descriptions using the USCS classification system and are provided in **Appendix B**.

During drilling soil samples were obtained at 5, 10, and 15 feet below grade and each was preserved using EPA Method 5035 with laboratory-provided vials which contained the required preservatives. Approximately 5 grams of soil was driven into the vials using a tool specialized for this task. The preserved samples were labelled, stored in an ice-filled chest and delivered to the State certified analytical laboratory. The soil samples were analyzed for VOC using EPA Method 8260B (full scan) by Advanced Technology Laboratories of Signal Hill, California.

After soil sampling, each boring was completed as a nested soil gas probe with sampling tips installed at 5, 10, and 15 feet below grade. One location (VP6) was not completed with a five-foot probe because of saturated soil conditions in the exploratory boring which had standing water at 5 feet. A probe set in these conditions would have been quickly plugged by wet sediment and would have been unusable. In addition, because of the expected low permeability and the high moisture content of the native sediment in multiple locations, each probe was completed with a 9-inch sampling tip to ensure that representative samples could be obtained in the future. The probes consist of stainless steel vapor implants that are approximately 9 inches long with a 0.5-inch outside diameter, connected to 0.25-inch outside diameter nylaflow tubing that extended above the surface. The annulus around the vapor implants was backfilled with 1-foot of screen-washed #3 sand, extending 1.5 inches above and below the sampling tip. The probes were sealed using six inches of dry bentonite placed immediately above each sand pack overlain by hydrated bentonite above it to provide a secure borehole seal. The probes were finished with gas-tight fittings at the surface pending vapor purging and sampling and each cluster of probes was set in a traffic-rated vault to allow for future sampling.

On June 28 and 30, 2017, the probes were purged and sampled by a technician from A&R Laboratories. A tracer material was applied at the surface of the sealed probe to ensure that there was no interference of air from the surface. The purpose of purging is to remove stagnant air from the vapor sampling train to ensure representative samples are obtained. The probes were purged of three purge volumes of soil vapor (a purge volume includes the volume of tubing plus the void space of the sand pack around the probe) using an adjustable vacuum pump. After static conditions were established, the probes were sampled at a flow rate of approximately 200 cc/min. and stored in a pre-cleaned glass bulb. The vapor samples were then immediately analyzed by the mobile laboratory for VOC by EPA Method 8260B. At each location a leak check compound was used to demonstrate sample integrity. Duplicate and QA/QC samples were also collected and analyzed by the mobile laboratory as required.

#### **4.1 Laboratory Results**

The laboratory results from soil sampling indicated just one boring location had soil samples with detectable VOC. Boring VP6, located in the outdoor treatment compound area, had 1,400 µg/Kg PCE and 4.9 µg/Kg TCE at 5 feet below grade. In addition, sample VP6-10 had 1,200 µg/Kg PCE. None of the other samples (including the deepest sample in this boring, VP6-15) had detectable levels of VOC. The detected concentrations were compared to the Regional Screening Level (RSL) guidelines provided by EPA and modified by DTSC for use in California. These guidelines are based on human health risk factors for residential and commercial settings and are commonly used as screening tools. None of the detected concentrations exceed the current soil screening levels for commercial applications. These results are summarized in **Table 2**. The current distribution of PCE in soil is shown on **Figure 4**. The laboratory reports from soil sampling are included in **Appendix C**.

Laboratory results from soil gas sampling indicated the PCE concentrations in the probes ranged from less than detectable to a maximum of 35 µg/L PCE. The highest concentrations were detected in the VP6 probe location (located in the treatment compound adjacent to well MW1), which had the maximum concentration at 15 feet below grade and 16 µg/L PCE at 10 feet. These results were compared to DTSC screening guidelines for PCE in soil gas in commercial applications (2.1 µg/L). These guidelines use screening numbers for indoor air that are modified using attenuation factors provided by DTSC for soil gas. Four other probe locations had at least one sample with greater than the DTSC screening level for PCE in soil gas in a commercial application. Samples VP4-15 and VP5-15 had 7.9 µg/L and 3.7 µg/L PCE, though the 5 and 10 foot samples in each location had less than 1 µg/L PCE. Probes VP7-5 and VP7-15 had 13 µg/L and 4.1 µg/L PCE, respectively. Finally, probe VP8-5 had 6.2 µg/L PCE. None of the remaining probes had greater than 1.1 µg/L

PCE. Low levels of TCE and cis 1,2 DCE were detected in a few samples but none exceeded 0.60 µg/L. These results are summarized in **Table 5**. The current distribution of PCE in soil gas is shown on **Figure 5**. The laboratory reports from soil gas sampling are included in **Appendix D**.

To characterize the human health risk potential beyond the conservative RSL screening levels, the data from soil gas sampling was used in a computer model to assess potential vapor intrusion risks to human health.

## **5.0 VAPOR INTRUSION RISK ASSESSMENT**

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The EPA provides a computer model for quantifying the risk of vapor intrusion into an existing or proposed structure from subsurface sources of contamination. The model was modified by DTSC for use in dedicated commercial or residential settings using risk factors specific to California. In a commercial setting, the Johnson-Ettinger model takes known soil gas concentrations and provides an indication of whether these conditions would adversely impact workers exposed to the air space inside a structure. It uses standard human health risk factors and measured contaminant characteristics with common vapor migration algorithms.

The Johnson-Ettinger model is a one-dimensional analytical solution to diffusive and convective transport of volatile chemical vapor into indoor spaces made available by the EPA. The model provides a theoretical description of vapor intrusion from the subsurface into an indoor air space and relates vapor concentrations at a subsurface source to potential vapor concentrations in an enclosed air space. It was developed as a screening tool and has a number of inherent simplifying assumptions regarding contaminant distribution, subsurface characteristics, transport mechanisms, and building construction. The model assumes that isotropic homogeneous conditions adequately characterize the subsurface.

The model assumes an infinite contaminant source and that vapor flux through the subsurface occurs only by one-dimensional diffusion (upward) to the base of the building foundation. Diffusive flow through the subsurface is simulated using common vapor flux equations controlled by the assigned soil property variables. Convection carries the mass through simulated cracks and openings in the foundation into the structure. The convective sweep is caused by presumed air movement in the building from heating/cooling, stack, and wind effects. Both diffusive and convective transports are assumed to be uniform and steady state. The model does not account for attenuation factors such as biodegradation or sorption during transport to the base of the building.

The model treats the entire default building as a single chamber with instantaneous and homogeneous vapor dispersion. It therefore neglects contaminant sinks and room to room variations in vapor concentrations due to unbalanced mechanical or natural ventilation. Once a representative soil gas vapor concentration is determined, all vapors directly below the areal extent of the structure are presumed to enter the structure, and since the mass is considered infinite, steady state transport prevails and the intrusion rate remains constant.

There are several versions of the EPA's Johnson-Ettinger model including ones that use concentrations of volatile contaminants in soil, groundwater, and soil gas to predict exposure risk within an enclosed air space. When soil gas data is available, it can be directly input into the model, providing the most direct and reliable calculation. The DTSC modified version includes risk factors specific to California and is named SG-SCREEN (version 2.0 04/2003 - DTSC Modified December 2014).



To provide a conservative analysis, the maximum PCE soil gas concentration at each sampled interval was analyzed. The model also allows input of the site specific soil type in the vadose zone and calculates values of permeability; soil moisture content and other important parameters based on the selection. Based on drilling logs the shallow sediment consists of a mixed assemblage ranging from silty clay to silty sand. To provide a conservative value, the soil type chosen for the model input was loamy sand (LS). This data was used with the DTSC default values for the remaining parameters.

## 5.1 Model Results

The results of the model provide an assessment of the exposure risk to humans in a default structure using accepted risk factors. Since the model is primarily a screening tool it provides very conservative results. Accordingly, the acceptable exposure risk values are conservative. For carcinogens the exposure risk is  $10^{-6}$ , for non-carcinogens the hazard risk quotient is 1. A calculated risk that exceeds the acceptable value indicates a formal risk assessment might be required. Alternatively, DTSC can provide a risk management decision if the results lie between  $10^{-6}$  and  $10^{-4}$ . A calculated risk that is at or below the  $10^{-6}$  standard is considered insignificant. For commercial applications, OEHHA typically closes sites with  $10^{-5}$  exposure risk factors if the plume is considered defined.

Results of the modelling exercise indicate that the calculated carcinogenic risk using the maximum PCE level at 5, 10, and 15 feet below grade ranged from 2.1 to 3.3  $E-06$ , which exceeds the most conservative screening level but is well below the typical commercial action level and well within range of a favorable DTSC risk management decision. The model input and results are presented in **Appendix E**.

## 6.0 CONCLUSIONS

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The subject site is a former dry cleaning establishment known as Crown Cleaners that was located in a tenant suite in the Carlen Plaza shopping center from the 1970s through 2010, when the suite was vacated and the dry cleaning equipment was removed. This suite is currently occupied by Impressions Beauty Salon and Supply. Environmental investigations initiated in 2009 identified subsurface impacts from PCE, a common dry cleaning solvent. Results of these investigations indicated soil was impacted with PCE below the approximate groundwater interface located at about 22-24 feet below grade.

The plume of impacted groundwater is centered near the removed dry cleaning equipment and extends radially from the release zone. Typically the near-source wells located inside the structure have greater than 100  $\mu\text{g/L}$  dissolved PCE, with maximum concentrations frequently greater than 1,000  $\mu\text{g/L}$ . In May 2017, a series of in-situ groundwater samples were obtained in plume-perimeter locations outside the building to attempt to define the lateral and vertical extents of groundwater contamination. Results indicated none of the samples collected north, south or west of the building had significant concentrations of VOC, essentially defining the extent of dissolved contamination in these directions. One sample (GW9), located east of the heart of the plume had 33  $\mu\text{g/L}$  PCE from a depth range of 24 to 27 feet below grade. Slightly deeper samples (29-32 feet) in this same location did not have detectable levels of PCE.

Interim remedial action operations were conducted at the property in an attempt to reduce PCE concentrations in soil, soil vapor, and groundwater near the release zone. A vapor extraction/dual phase extraction system operated at the site from July 2014 to May 2017, when the system was shut down pending soil gas testing for the current work.

The objective of the current investigation was to meet the requirements of SARWQCB by completing a soil and soil gas assessment after several years of remediation by LJA. Twelve soil borings were installed in target locations including inside the former Crown Cleaners and adjoining suites, in outdoor locations north and south of the suites, and near the Montessori School located just northwest of the source area.

Results from soil sampling indicated just one location had detectable levels of VOC with up to 1,400 µg/Kg PCE and 4.9 µg/Kg TCE at 5 feet below grade in boring VP6, located in the outdoor treatment compound area. In addition, soil sample VP6-10 had 1,200 µg/Kg PCE, but none of the other samples (including the deepest sample in this boring, VP6-15) had detectable levels of VOC.

Results from soil gas sampling indicated probe VP6 had the highest concentrations of PCE in soil gas with 35 µg/L detected at 15 feet below grade and 16 µg/L PCE at 10 feet. This location has no 5-foot probe due to the saturated soil conditions observed during drilling, when standing water was observed in the open borehole. In addition to VP6, proximal probes VP4, VP7, and VP8 also had PCE concentrations greater than the DTSC soil gas screening level of 2.1 µg/L PCE. This distribution pattern suggests the area behind the dry cleaners may be a source of subsurface contamination that needs to be addressed further. This area has a surface water drain nearby and possibly a sanitary sewer line that could be contributing to the subsurface source. In addition, the very moist to saturated conditions identified in soil in this area (including VP4, VP6, VP7, VP8, and VP9) suggests a possible leaking plumbing system.

## **7.0 RECOMMENDATIONS**

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The results of vapor intrusion modeling suggest the soil gas conditions are within range of a favorable risk management decision by OEHHA for commercial applications. However, the soil and soil gas sampling data suggest that the area just outside the former Crown Cleaners suite to the north may be a secondary source of contamination that is impeding progress of the site remediation effort. Based on these results, GSA recommends installation of a new set of extraction wells in this area. Three wells are proposed including near MW1, probe VP6, and in-situ groundwater sample GW9. These wells will be installed to 25 feet below grade and will be screened to 5 feet below grade so that the upper soil zone can be effectively treated as well as the deeper sediments.

In addition, the site continues to have elevated concentrations of dissolved PCE that will require additional treatment using vapor and dual phase extraction. The current results suggest that the lateral extent of groundwater contamination is relatively limited and may have been hydraulically controlled by the DPE system operations conducted to date. However, data suggests the groundwater gradient may extend in a northeasterly direction, so an additional groundwater monitoring well may be needed to fully define the dissolved plume.

GSA recommends obtaining a fixed system permit through the SCAQMD to continue remedial efforts at the site.

**TABLE 1**  
**Well Construction Summary**

Well ID	Install Date	Drill Method	Casing Diameter	Total Depth	Screened Interval	Connected to System
MW1	06/27/11	HSA	2 in	40 ft	15-40 ft	Yes
MW2	06/28/11	HSA	2 in	40 ft	15-40 ft	No
MW3	06/28/11	Hand Auger	2 in	30 ft	15-30 ft	Yes
MW4	06/27/11	HSA	2 in	35 ft	15-35 ft	No
MW5	01/18/12	Hand Auger	2 in	30 ft	15-30 ft	Yes
MW6	01/18/12	Hand Auger	2 in	30 ft	15-30 ft	Yes
MW7	02/28/12	HSA	2 in	35 ft	15-35 ft	No
MW8	02/28/12	HSA	2 in	35 ft	15-35 ft	No
MW9	02/29/12	Hand Auger	2 in	30 ft	15-30 ft	Yes
MW10	03/01/12	Hand Auger	2 in	30 ft	15-30 ft	Yes

*Notes: HSA=Hollow Stem Auger. Wells Connected to System may be used for vapor and dual phase extraction. The Table depths are shown in feet below grade surface.*

**TABLE 2**  
**Summary of Soil Sampling Results (µg/Kg)**

Sample ID	PCE	TCE	Other VOC
Sampled November 2009			
GP1-1	<2.0	<2.0	ND
GP1-5	18	<2.0	ND
GP1-10	30	<2.0	ND
GP1-20	15	<2.0	ND
GP2-1	3.0	<2.0	ND
GP2-5	26	<2.0	ND
GP2-10	84	<2.0	ND
GP2-20	94	<2.0	ND
GP3-1	4.8	<2.0	ND
GP3-5	6.0	<2.0	ND
GP3-10	56	<2.0	ND
GP3-20	85	<2.0	ND
Sampled December 2010			
B1-15	<5	<5	ND
B1-20	18	<5	ND
B1-25	10	<5	ND
B1-30	6	<5	ND
B2-15	<5	<5	ND
B2-20	7	<5	ND
B2-25	58	<5	ND
B2-30	16	<5	ND
B3-20	<5	<5	ND
B3-25	<5	<5	ND
B4-20	5	<5	ND
B4-25	190	<5	ND
B4-30	9	<5	ND
Sampled June 2011			
MW1-25	<5	<5	ND
MW1-30	120	<5	ND
MW1-35	<5	<5	ND
MW1-40	<5	<5	ND
MW2-20	<5	<5	ND
MW2-30	19	<5	ND
MW2-35	34	<5	ND
MW2-40	<5	<5	ND
<b>Residential RSL</b>	<b>600*</b>	<b>940</b>	--
<b>Commercial RSL</b>	<b>2,700*</b>	<b>6,000</b>	--



**TABLE 2-Contd.**  
**Summary of Soil Sampling Results (µg/Kg)**

Sample ID	PCE	TCE	Other VOC
Sampled June 2011			
MW3-25	<5	<5	ND
MW3-30	220	<5	ND
MW3-35	96	<5	ND
MW4-25	170	<5	ND
MW4-30	14	<5	ND
MW4-35	5	<5	ND
MW4-40	6	<5	ND
Sampled January 2012			
MW5-20	<5	<5	ND
MW6-20	<5	7	ND
Sampled February 2012			
MW7-15	14	<5	ND
MW7-20	<5	<5	ND
MW8-15	<5	<5	ND
MW8-20	<5	<5	ND
MW9-20	<5	<5	ND
Sampled March 2012			
MW10-14	<5	<5	ND
MW10-20	<5	<5	ND
Sampled June 2017			
VP1-5	ND<5	ND<5	ND
VP1-10	ND<5	ND<5	ND
VP1-15	ND<5	ND<5	ND
VP2-5	ND<5	ND<5	ND
VP2-10	ND<5	ND<5	ND
VP2-15	ND<5	ND<5	ND
VP3-5	ND<5	ND<5	ND
VP3-10	ND<5	ND<5	ND
VP3-15	ND<5	ND<5	ND
VP4-5	ND<5	ND<5	ND
VP4-10	ND<5	ND<5	ND
VP4-15	ND<5	ND<5	ND
VP5-5	ND<5	ND<5	ND
VP5-10	ND<5	ND<5	ND
VP5-15	ND<5	ND<5	ND
<b>Residential RSL</b>	<b>600*</b>	<b>940</b>	<b>--</b>
<b>Commercial RSL</b>	<b>2,700*</b>	<b>6,000</b>	<b>--</b>

**TABLE 2-Contd.**  
**Summary of Soil Sampling Results (µg/Kg)**

Sample ID	PCE	TCE	Other VOC
Sampled June 2017			
VP6-5	1,400	4.9	ND
VP6-10	1,200	ND<5	ND
VP6-15	ND<5	ND<5	ND
VP7-5	ND<5	ND<5	ND
VP7-10	ND<5	ND<5	ND
VP7-15	ND<5	ND<5	ND
VP8-5	ND<5	ND<5	ND
VP8-10	ND<5	ND<5	ND
VP8-15	ND<5	ND<5	ND
VP9-5	ND<5	ND<5	ND
VP9-10	ND<5	ND<5	ND
VP9-15	ND<5	ND<5	ND
VP10-5	ND<5	ND<5	ND
VP10-10	ND<5	ND<5	ND
VP10-15	ND<5	ND<5	ND
VP11-5	ND<5	ND<5	ND
VP11-10	ND<5	ND<5	ND
VP11-15	ND<5	ND<5	ND
VP12-5	ND<5	ND<5	ND
VP12-10	ND<5	ND<5	ND
VP12-15	ND<5	ND<5	ND
<b>Residential RSL</b>	<b>600*</b>	<b>940</b>	<b>--</b>
<b>Commercial RSL</b>	<b>2,700*</b>	<b>6,000</b>	<b>--</b>

Notes: ND - Not Detected. EPA Regional Screening Levels (RSLs) are human health risk based screening levels used by EPA and DTSC to determine Health Risk in residential and commercial settings. \*-Values modified for California by DTSC HHRA Note 3. Please refer to laboratory reports for complete results.

**TABLE 3**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW1 402.87	07/07/11	21.23	381.64	39.50	13	<0.5	ND
	12/30/11	21.27	381.60	39.50	17	<0.5	ND
	03/22/12	22.47	380.40	39.50	510	<0.5	ND
	06/27/12	22.56	380.31	39.50	770	<0.5	ND
	09/28/12	22.54	380.33	39.50	310	<0.5	ND
	12/20/12	22.77	380.10	39.50	590	<0.5	ND
	03/19/13	23.03	379.84	39.50	310	1.2	ND
	06/12/13	22.52	380.35	39.50	210	<0.5	ND
	09/25/13	Not	Sampled		Inaccessible		
	03/21/14	23.41	379.46	39.50	300	<0.5	ND
	06/16/14	24.12	378.75	39.50	530	<0.5	ND
	09/26/14	23.78	379.09	39.50	340	<0.5	ND
	12/29/14	24.08	378.79	39.48	150	<0.5	ND
	03/26/15	24.10	378.77	39.50	200	<0.5	ND
	06/30/15	24.35	378.52	39.46	170	<0.5	ND
	09/29/15	24.67	378.2	39.45	150	0.51	ND
	12/29/15	24.22	378.65	39.46	300	<0.5	ND
	03/22/16	25.12	377.75	39.48	160	<0.5	ND
	06/21/16	25.20	377.67	39.45	200	<0.5	ND
	09/27/16	25.06	377.81	39.45	1.4	<0.5	ND
	12/29/16	25.70	377.17	39.45	84	<0.5	ND
	3/20/17	24.12	378.75	37.47	100	<0.5	ND
	6/20/17	24.43	378.44	38.04	77	<0.5	ND
MW2 403.11	07/07/11	21.45	381.66	39.78	140	<0.5	ND
	12/30/11	21.52	381.59	39.75	160	<0.5	ND
	03/22/12	22.71	380.40	39.74	880	<0.5	ND
	06/27/12	22.78	380.33	39.74	680	<0.5	ND
	09/28/12	Not	Sampled		Inaccessible		
	12/20/12	23.02	380.09	39.75	1800	<0.5	ND
	03/19/13	23.39	379.72	39.75	1400	2.5	ND
	06/12/13	23.65	379.46	39.75	1200	1.2	ND
	09/25/13	23.36	379.75	39.75	1100	1.6	ND
	03/21/14	23.64	379.47	39.74	1400	<0.5	ND
	06/16/14	23.87	379.24	39.75	990	<0.5	ND
	09/26/14	23.42	379.69	39.73	720	<0.5	ND
	12/29/14	Not	Sampled		Inaccessible	---	
	03/26/15	24.31	378.80	39.75	440	<0.5	ND
	06/30/15	24.50	378.61	39.72	470	<0.5	ND
	09/29/15	24.25	378.86	39.72	410	<1	ND
	12/29/15	24.08	379.03	39.71	370	<0.5	ND
	03/22/16	25.19	377.92	39.74	550	0.50	ND
	06/21/16	25.20	377.91	39.72	470	<1.0	ND
	09/27/16	25.01	378.10	39.70	270	<1.0	ND
	12/29/16	26.01	377.10	39.70	230	<1.0	ND
	3/20/17	24.34	378.77	39.20	84	<1.0	ND
	6/20/17	24.09	379.02	39.05	520	<0.5	ND

**TABLE 3-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW3 403.47	07/07/11	21.83	381.64	30.99	1200	1.2	ND
	12/30/11	21.94	381.53	30.05	1400	2.4	ND
	03/22/12	23.08	380.39	30.05	2100	8.8	ND
	06/27/12	23.14	380.33	30.06	1900	8.8	ND
	09/28/12	Not	Sampled		inaccessible		--
	12/20/12	23.38	380.09	30.05	2000	8.8	ND
	03/19/13	23.79	379.68	30.05	790	2.4	ND
	06/12/13	23.81	379.66	30.05	1300	3.8	ND
	09/25/13	23.45	380.02	30.06	2000	7.6	ND
	03/21/14	24.12	379.35	30.02	1100	5.2	ND
	06/16/14	24.37	379.10	30.00	2200	5.2	ND
	09/26/14	24.53	378.94	30.02	960	3.1	ND
	12/29/14	Not	Sampled	---	inaccessible	---	--
	03/26/15	24.60	378.87	30.00	590	<0.5	ND
	06/30/15	25.00	378.47	30.00	1600	1.5	ND
	09/29/15	24.40	379.07	30.00	1700	<2.5	ND
	12/29/15	24.47	379.00	30.00	1000	<2.5	ND
	03/22/16	25.61	377.86	30.00	950	<0.5	ND
	06/21/16	25.68	377.79	30.00	1200	<2.5	ND
	09/27/16	25.11	378.36	30.01	310	<1.0	ND
	12/29/16	26.25	377.22	30.00	540	<1.0	ND
	3/20/17	24.80	378.67	28.48	630	1.0	ND
	6/20/17	24.27	379.20	28.47	430	<1.0	ND
MW4 402.99	07/07/11	21.35	381.64	33.11	1300	<0.5	ND
	12/30/11	21.47	381.52	33.10	1600	6.4	ND
	03/22/12	22.58	380.41	33.12	3800	8.3	ND
	06/27/12	22.84	380.15	33.10	2400	2.6	ND
	09/28/12	22.58	380.41	33.11	970	1.2	ND
	12/20/12	22.90	380.09	33.10	3200	2.6	ND
	03/19/13	23.10	379.89	33.10	3800	3.2	ND
	06/12/13	23.15	379.84	33.10	3400	1.0	ND
	09/25/13	23.23	379.76	33.12	3300	1.6	ND
	03/21/14	23.40	379.59	33.10	4000	<0.5	ND
	06/16/14	23.78	379.21	33.09	4100	<0.5	ND
	09/26/14	24.01	378.98	33.08	3000	<0.5	ND
	12/29/14	Not	Sampled	---	Inaccessible	---	--
	03/26/15	24.10	378.89	33.10	3400	<0.5	ND
	06/30/15	24.35	378.64	33.08	1500	<0.5	ND
	09/29/15	24.24	378.75	33.05	1400	<2	ND
	12/29/15	24.17	378.82	33.09	1600	<2.5	ND
	03/22/16	24.15	378.84	33.09	1100	<0.5	ND
	06/21/16	24.28	378.71	33.05	1500	<2.5	ND
	09/27/16	24.18	378.81	33.06	490	<1.0	ND
	12/29/16	25.65	377.34	33.01	470	<1.0	ND
	3/20/17	24.11	378.88	30.37	280	<1.0	ND
	6/20/17	23.91	379.08	30.50	680	<1.0	ND



**TABLE 3-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW5 403.36	01/26/12	22.85	380.51	29.85	841	<0.5	ND
	03/22/12	22.96	380.40	29.85	1100	<0.5	ND
	06/27/12	23.01	380.35	29.85	1400	<0.5	ND
	09/28/12	23.00	380.36	29.84	510	2.2	ND
	12/20/12	23.29	380.07	29.85	820	<0.5	ND
	03/19/13	23.68	379.68	29.85	740	<0.5	ND
	06/12/13	23.78	379.58	29.83	780	4.7	ND
	09/25/13	23.89	379.47	29.81	620	5.1	ND
	03/21/14	23.96	379.40	29.80	790	4.4	ND
	06/16/14	23.90	379.46	29.80	830	4.4	ND
	09/26/14	23.98	379.38	27.54	610	2.7	ND
	12/29/14	24.62	378.74	28.56	520	1.7	ND
	03/26/15	24.54	378.82	28.60	300	<0.5	ND
	06/30/15	24.98	378.38	28.58	1400	<0.5	ND
	09/29/15	24.75	378.61	28.60	330	<0.5	ND
	12/29/15	24.68	378.68	28.75	390	<0.5	ND
	03/22/16	24.88	378.48	28.70	360	<0.5	ND
	06/21/16	25.01	378.35	28.75	390	<0.5	ND
	09/27/16	24.86	378.50	28.74	450	<0.5	ND
	12/29/16	24.98	378.38	28.73	170	<0.5	ND
	3/20/17	24.77	378.59	28.60	620	<0.5	ND
	6/20/17	24.48	378.88	27.76	470	<1.0	Chl-ethane=21
MW6 403.40	03/26/12	22.97	380.43	29.90	1400	1.8	ND
	03/22/12	22.99	380.41	29.91	2400	<0.5	ND
	06/27/12	23.02	380.38	29.90	2000	<0.5	ND
	09/28/12	23.10	380.30	29.89	260	4.0	ND
	12/20/12	23.41	379.99	29.90	1100	<0.5	ND
	03/19/13	23.69	379.71	29.90	710	20	ND
	06/13/13	23.70	379.70	29.89	810	36	ND
	09/25/13	23.81	379.59	29.90	770	61	ND
	03/21/14	23.93	379.47	29.75	1200	63	ND
	06/16/14	23.85	379.55	29.78	1400	63	ND
	09/26/14	23.75	379.65	29.70	1100	52	ND
	12/29/14	24.48	378.92	29.70	960	14	ND
	03/26/15	24.56	378.84	29.74	1200	2.5	ND
	06/30/15	24.70	378.70	29.75	1100	<0.5	ND
	09/29/15	24.67	378.73	29.75	530	<1	ND
	12/29/15	24.51	378.89	29.76	35	<0.5	ND
	03/22/16	---	---	25.80	Dry	---	--
	06/21/16	24.75	378.65	28.74	3.7	<0.5	ND
	09/27/16	24.66	378.74	28.77	<0.5	<0.5	ND
	12/29/16	24.80	378.60	28.75	0.61	<0.5	ND
	3/20/17	25.31	378.09	25.53	--	--	--
	6/20/17	24.34	379.06	25.47	140	<0.5	ND

**TABLE 3-Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW7 402.49	03/22/12	22.05	380.44	34.75	63	<0.5	ND
	06/27/12	22.06	380.43	34.75	120	<0.5	ND
	09/28/12	22.01	380.48	34.75	190	<0.5	ND
	12/20/12	22.27	380.22	34.75	340	<0.5	ND
	03/19/13	22.58	379.91	34.75	140	<0.5	ND
	06/12/13	23.52	378.97	34.75	270	<0.5	ND
	09/25/13	22.61	379.88	34.75	270	<0.5	ND
	03/21/14	22.89	379.60	34.75	310	<0.5	ND
	06/16/14	23.16	379.33	34.73	460	<0.5	ND
	09/26/14	23.39	379.10	34.75	270	<0.5	ND
	12/29/14	23.44	379.05	34.75	170	<0.5	ND
	03/26/15	23.42	379.07	34.75	85	<0.5	ND
	06/30/15	23.65	378.84	34.75	76	<0.5	ND
	09/29/15	23.92	378.57	34.75	72	<0.5	ND
	12/29/15	23.52	378.97	34.72	86	<0.5	ND
	03/22/16	24.38	378.11	37.75	71	<0.5	ND
	06/21/16	24.70	377.79	37.72	730	0.52	ND
	09/27/16	24.59	377.90	37.70	41	<0.5	ND
	12/29/16	25.06	377.43	37.70	43	<0.5	ND
	3/20/17	23.46	379.03	35.14	36	<0.5	ND
	6/20/17	23.26	379.23	35.15	57	<0.5	ND
MW8 403.35	03/22/12	22.98	380.37	34.84	20	<0.5	ND
	06/27/12	23.06	380.29	34.85	21	<0.5	ND
	09/28/12	23.02	380.33	34.85	55	<0.5	ND
	12/20/12	23.30	380.05	34.85	110	<0.5	ND
	03/19/13	23.52	379.83	34.85	71	<0.5	ND
	06/12/13	23.62	379.73	34.85	110	<0.5	ND
	09/25/13	23.70	379.65	34.82	180	1.3	ND
	03/21/14	23.91	379.44	34.80	150	<0.5	ND
	06/16/14	24.19	379.16	34.80	270	<0.5	ND
	09/26/14	24.44	378.91	34.79	160	6.3	ND
	12/29/14	24.60	378.75	34.75	75	<0.5	ND
	03/26/15	24.64	378.71	34.77	35	<0.5	ND
	06/30/15	24.55	378.80	34.74	32	<0.5	ND
	09/29/15	25.25	378.10	34.77	30	<0.5	ND
	12/29/15	24.77	378.58	34.75	470	<1	ND
	03/22/16	25.68	377.67	34.72	230	0.52	ND
	06/21/16	25.85	377.50	34.75	87	<0.5	ND
	09/27/16	25.44	377.91	34.70	97	<0.5	ND
	12/29/16	26.12	377.23	34.72	97	<0.5	ND
	3/20/17	24.79	378.56	34.92	120	<0.5	ND
	6/20/17	24.52	378.83	34.87	190	<0.5	ND

**TABLE 3 Contd.**  
**Summary of Historic Groundwater Sampling Data (µg/L)**

Sample ID	Date Sampled	DTW	GW Elev.	TD	PCE	TCE	Other VOC
MW9 403.52	03/22/12	23.19	380.33	29.71	650	<0.5	ND
	06/27/12	23.22	380.30	29.70	430	<0.5	ND
	09/28/12	23.35	380.17	29.71	49	<0.5	ND
	12/20/12	23.62	379.90	29.70	270	<0.5	ND
	03/19/13	23.84	379.68	29.70	160	1.8	ND
	06/12/13	23.46	380.06	29.69	250	2.9	ND
	09/25/13	23.88	379.64	29.68	290	4.7	ND
	03/21/14	23.59	379.93	29.68	320	3.2	ND
	06/16/14	24.52	379.00	29.70	590	<0.5	ND
	09/26/14	24.69	378.83	29.68	330	14	ND
	12/29/14	24.85	378.67	29.65	190	2.9	ND
	03/26/15	24.82	378.70	29.66	110	<0.5	ND
	06/30/15	25.08	378.44	29.64	110	1.5	ND
	09/29/15	24.98	378.54	29.70	94	2.7	ND
	12/29/15	24.92	378.60	29.69	61	0.77	ND
	03/22/16	25.78	377.74	29.70	53	1.5	ND
	06/21/16	24.98	378.54	29.70	65	<0.5	ND
	09/27/16	24.74	378.78	29.71	20	<0.5	ND
	12/29/16	26.54	376.98	29.70	9.6	<0.5	ND
	3/20/17	25.00	378.52	27.33	<0.5	<0.5	ND
	6/20/17	24.79	378.73	27.28	63	<0.5	ND
MW10 403.59	03/22/12	23.13	380.46	29.16	240	<0.5	ND
	06/27/12	23.24	380.35	29.15	1500	<0.5	ND
	09/28/12	23.26	380.33	29.15	840	<0.5	ND
	12/20/12	---	---	21.44	Dry	---	---
	03/19/13	---	---	21.48	Dry	---	---
	06/12/13	---	---	19.45	Dry	---	---
	09/25/13	---	---	19.48	Dry	---	---
	03/21/14	---	---	19.40	Dry	---	---
	06/16/14	---	---	21.51	Dry	---	---
	09/26/14	---	---	21.55	Dry	---	---
	12/29/14	---	---	21.53	Dry	---	---
	03/26/15	---	---	21.50	Dry	---	---
	06/30/15	---	---	21.48	Dry	---	---
	09/29/15	---	---	21.17	Dry	---	---
	12/29/15	---	---	21.20	Dry	---	---
	03/22/16	---	---	21.20	Dry	---	---
	06/21/16	---	---	21.18	Dry	---	---
	09/27/16	---	---	21.20	Dry	---	---
	12/29/16	---	---	21.20	Dry	---	---
	3/20/17	---	---	24.80	Dry	---	---
	6/20/17	---	---	24.62	Dry	---	---

**TABLE 4**  
**Summary of In-Situ Groundwater Sampling Results (µg/L)**

Probe ID	Screen Interval	BDCM	Bromoform	Chloroform	DBCM	CTC	PCE	TCE	Other VOC
Sampled May 2017									
GW1	29-32 ft	13	1.3	31	3.2	ND<0.5	ND<0.5	ND<0.5	ND
GW1	29-32 ft (Dup.)	10	0.65	21	3.0	ND<0.5	1.1	ND<0.5	ND
GW2	29-32 ft	5.5	ND<0.5	26	1.7	ND<0.5	ND<0.5	ND<0.5	ND
GW3	24-27 ft	13	ND<0.5	30	3.1	ND<0.5	ND<0.5	ND<0.5	ND
GW3	29-32 ft	15	ND<0.5	26	4.5	ND<0.5	ND<0.5	ND<0.5	ND
GW3	40-44 ft	13	0.99	25	4.1	ND<0.5	ND<0.5	ND<0.5	ND
GW4	29-32 ft	17	ND<0.5	31	4.8	0.56	ND<0.5	ND<0.5	ND
GW4	40-44 ft	13	ND<0.5	25	3.9	ND<0.5	ND<0.5	ND<0.5	ND
GW5	24-27 ft	12	ND<0.5	26	3.2	0.52	1.3	ND<0.5	ND
GW5	40-44 ft	14	ND<0.5	27	4.1	ND<0.5	ND<0.5	ND<0.5	ND
GW6	29-32 ft	16	0.53	31	4.6	0.56	1.1	ND<0.5	ND
GW6	40-44 ft	12	ND<0.5	21	3.3	ND<0.5	4.2	ND<0.5	ND
GW7	28-32 ft	13	ND<0.5	25	4.0	ND<0.5	ND<0.5	ND<0.5	ND
GW9	24-27 ft	10	0.53	20	3.0	ND<0.5	33	ND<0.5	ND
GW9	29-32 ft	15	ND<0.5	28	4.3	ND<0.5	ND<0.5	ND<0.5	ND
GW9	29-32 ft (Dup.)	14	ND<0.5	25	4.0	ND<0.5	ND<0.5	ND<0.5	ND
GW10	28-32 ft	13	ND<0.5	25	3.6	ND<0.5	ND<0.5	ND<0.5	ND
GW11	28-32 ft	13	ND<0.5	26	3.7	ND<0.5	ND<0.5	ND<0.5	ND
GW12	28-32 ft	13	ND<0.5	27	3.6	ND<0.5	ND<0.5	ND<0.5	ND
<b>MCL</b>		--	--	--	--	<b>0.5</b>	<b>5</b>	<b>5</b>	--

*Notes: ND - Not Detected. Maximum Contaminant Levels (MCL) based on California MCL List updated July 22, 2016. Disinfection products bromodichloromethane (BDCM), bromoform, chloroform, and dibromochloromethane (DBCM) do not have California MCLs. Please refer to laboratory report for complete results.*



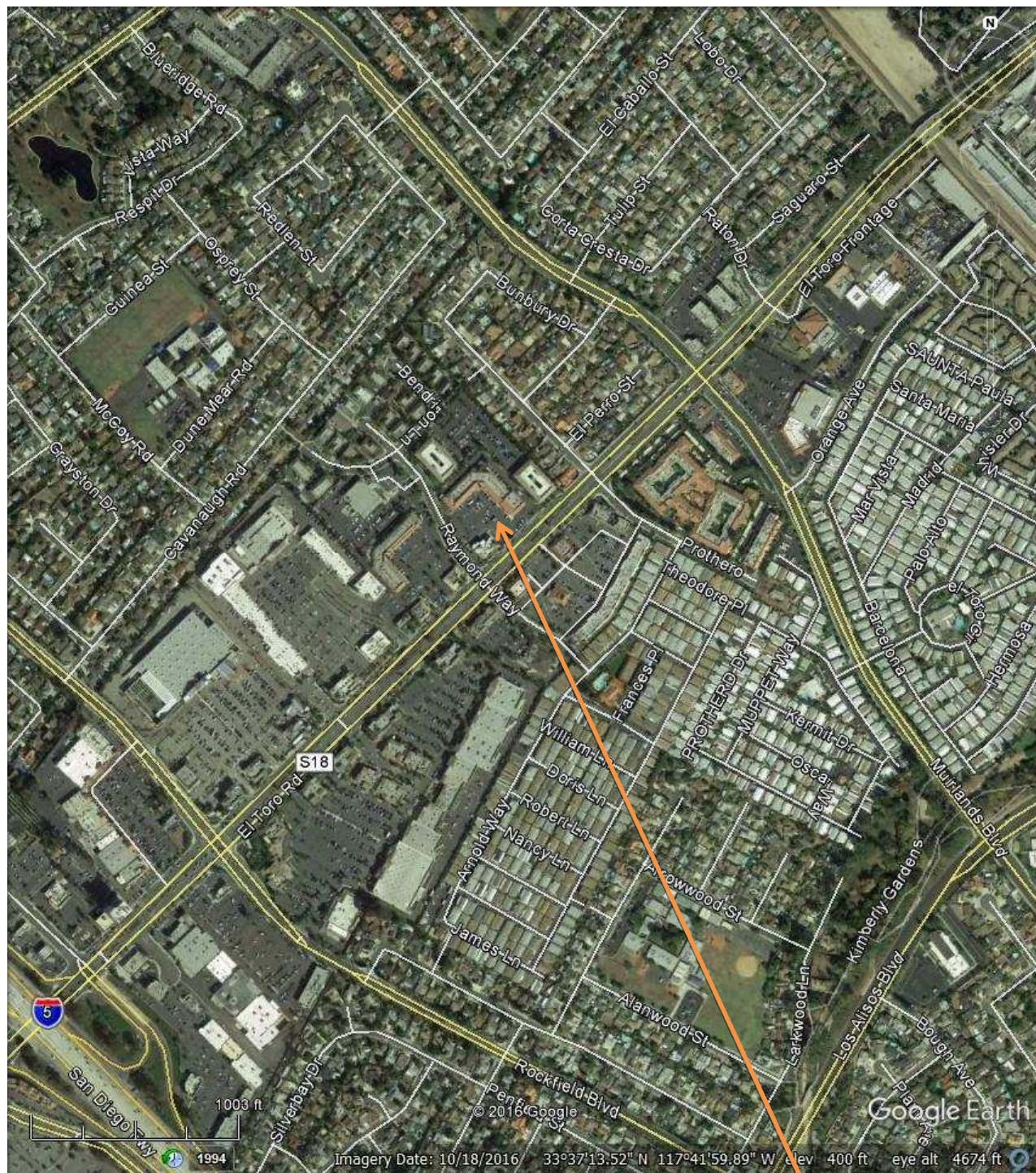
**TABLE 5**  
**Summary of Soil Gas Sampling Results (µg/L)**

Sample ID	Toluene	cis 1,2 DCE	TCE	PCE	Other VOC
Sampled June 28-30, 2017					
VP1-5	ND<0.05	ND<0.05	ND<0.05	0.16	ND
VP1-10	0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP1-15	ND<0.05	ND<0.05	ND<0.05	0.13	ND
VP2-5	ND<0.05	ND<0.05	ND<0.05	0.09	ND
VP2-10	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP2-15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP3-5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP3-10	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP3-15	ND<0.05	ND<0.05	ND<0.05	0.51	ND
VP4-5	ND<0.05	ND<0.05	ND<0.05	0.47	ND
VP4-10	ND<0.05	ND<0.05	ND<0.05	0.15	ND
VP4-15	ND<0.05	ND<0.05	ND<0.05	7.9	ND
VP5-5	ND<0.05	ND<0.05	ND<0.05	0.86	ND
VP5-10	0.28	ND<0.05	ND<0.05	ND<0.05	ND
VP5-15	ND<0.05	ND<0.05	ND<0.05	3.7	ND
VP6-5	No	Probe			
VP6-10	ND<0.05	ND<0.05	ND<0.05	16	ND
VP6-15	ND<0.05	ND<0.05	ND<0.05	35	ND
VP7-5	ND<0.05	0.33	0.60	13	ND
VP7-10	ND<0.05	0.10	0.23	0.57	ND
VP7-15	ND<0.05	0.09	0.08	4.1	ND
VP8-5	ND<0.05	ND<0.05	0.09	6.2	ND
VP8-10	ND<0.05	ND<0.05	ND<0.05	0.09	ND
VP8-15	ND<0.05	ND<0.05	ND<0.05	0.12	ND
VP9-5	0.15	ND<0.05	ND<0.05	1.1	ND
VP9-10	0.20	ND<0.05	ND<0.05	0.12	ND
VP9-15	ND<0.05	ND<0.05	ND<0.05	0.10	ND
VP10-5	ND<0.05	ND<0.05	ND<0.05	0.05	ND
VP10-10	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
VP10-15	ND<0.05	ND<0.05	ND<0.05	0.05	ND
VP11-5	ND<0.05	ND<0.05	ND<0.05	0.13	ND
VP11-10	ND<0.05	ND<0.05	ND<0.05	0.15	ND
VP11-15	ND<0.05	ND<0.05	ND<0.05	0.09	ND
VP12-5	0.12	ND<0.05	ND<0.05	ND<0.05	ND
VP12-10	0.36	ND<0.05	ND<0.05	0.15	ND
VP12-15	ND<0.05	ND<0.05	ND<0.05	0.21	ND
<b>Residential RSL</b>	<b>155*</b>	<b>4.15*</b>	<b>0.24</b>	<b>0.24*</b>	<b>--</b>
<b>Commercial RSL</b>	<b>1,300*</b>	<b>35*</b>	<b>3.0</b>	<b>2.1*</b>	<b>--</b>

Notes: ND - Not Detected. EPA Region 9 Regional Screening Levels (RSLs) are human health risk based screening levels used by EPA and DTSC to determine Health Risk in residential and commercial settings. \*-Values modified for California by DTSC HHRA Note 3. Screening levels for soil gas calculated using indoor air values and attenuation factors provided by DTSC. No Other VOC detected. Refer to laboratory report for complete results.

## FIGURES





**FIGURE 1**

**SITE**

**SITE VICINITY MAP**  
**CARLEN PLAZA SHOPPING CENTER**  
 24601 Raymond Way  
 Lake Forest, California



**GSA**  
 ENGINEERING, INC.



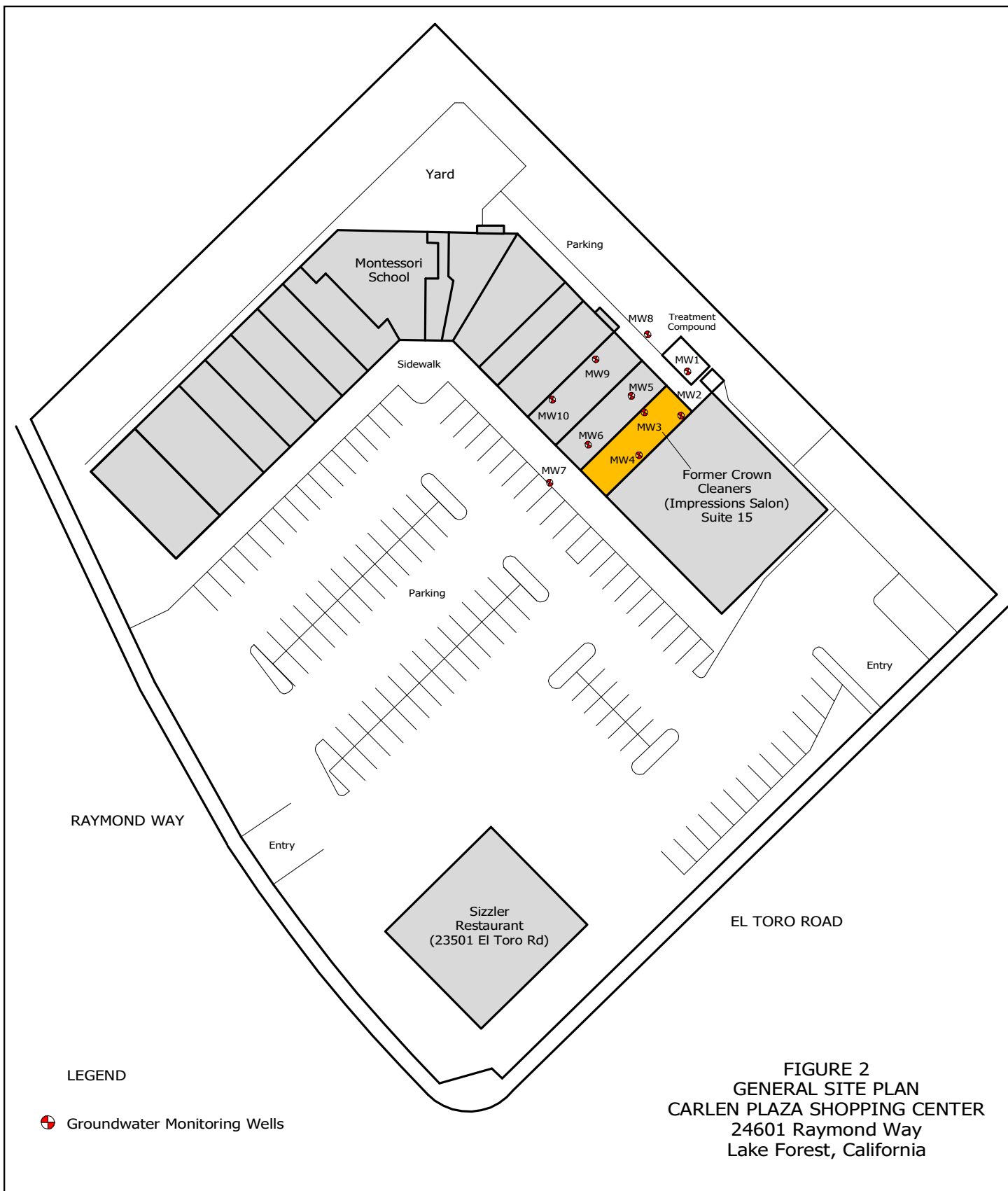


Approx. Scale: 1"=400'

**FIGURE 1A**

LOCATIONS OF DRY CLEANERS IN VICINITY  
FORMER CROWN CLEANERS SITE  
24601 Raymond Way  
Lake Forest, California

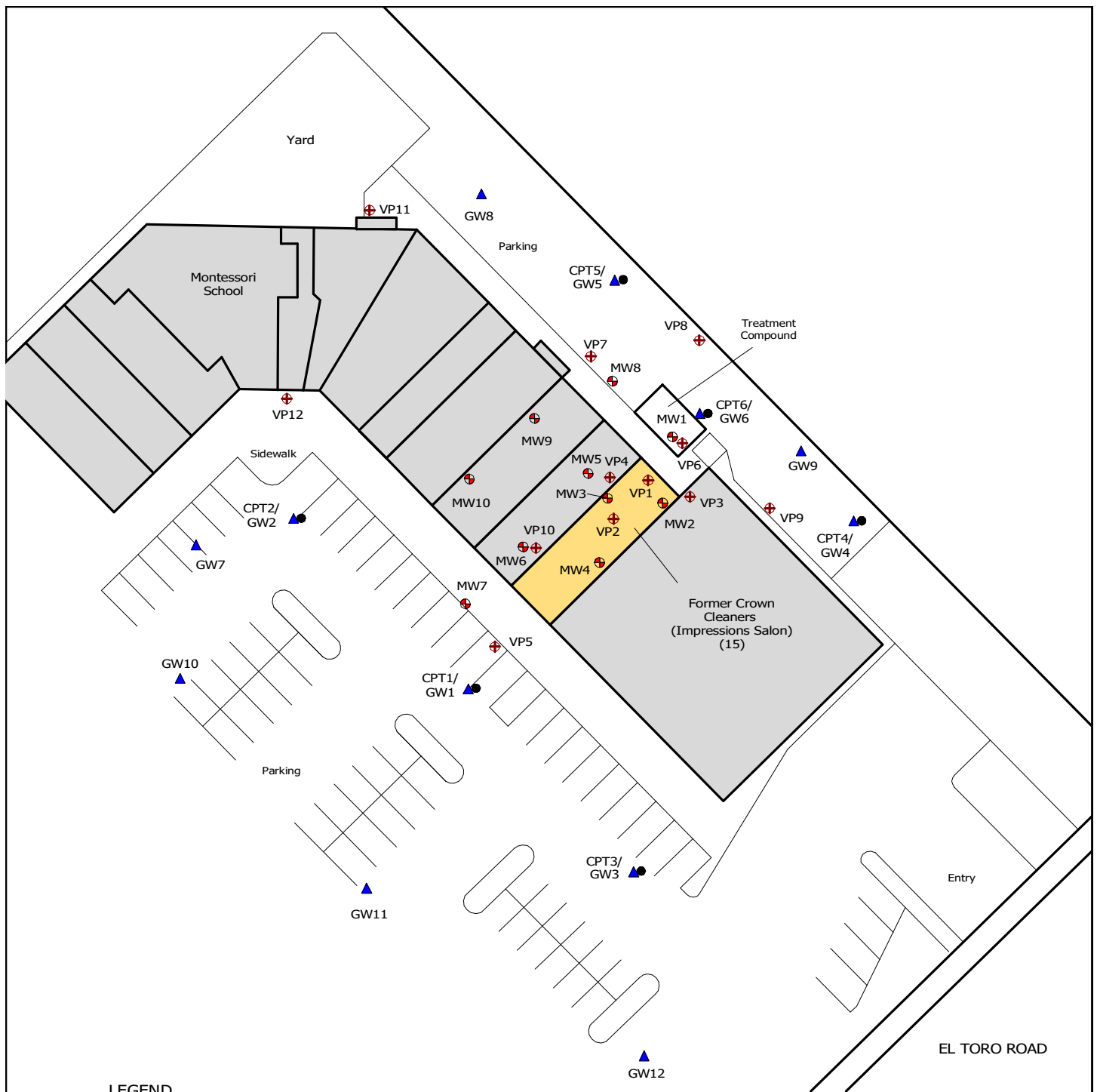








**GSA**  
ENGINEERING, INC.



APPROXIMATE SCALE IN FEET  
0 70 140



### LEGEND

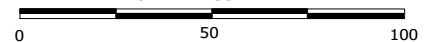
-  Groundwater Monitoring Wells
-  CPT Borings
-  In-Situ Groundwater Samples
-  Soil Gas Probes



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APPROXIMATE SCALE IN FEET





#### LEGEND

-  Groundwater Monitoring Wells
-  Soil Borings (LJA 2010)
-  Soil Borings (Avalon)
-  Soil Gas Probes/Borings (GSA 2017)

**FIGURE 3B**  
**AREA DETAIL**  
**FORMER CROWN CLEANERS**  
**24601 Raymond Way**  
**Lake Forest, California**



**GSA**  
 ENGINEERING, INC.



APPROXIMATE SCALE IN FEET  
 0 15 30

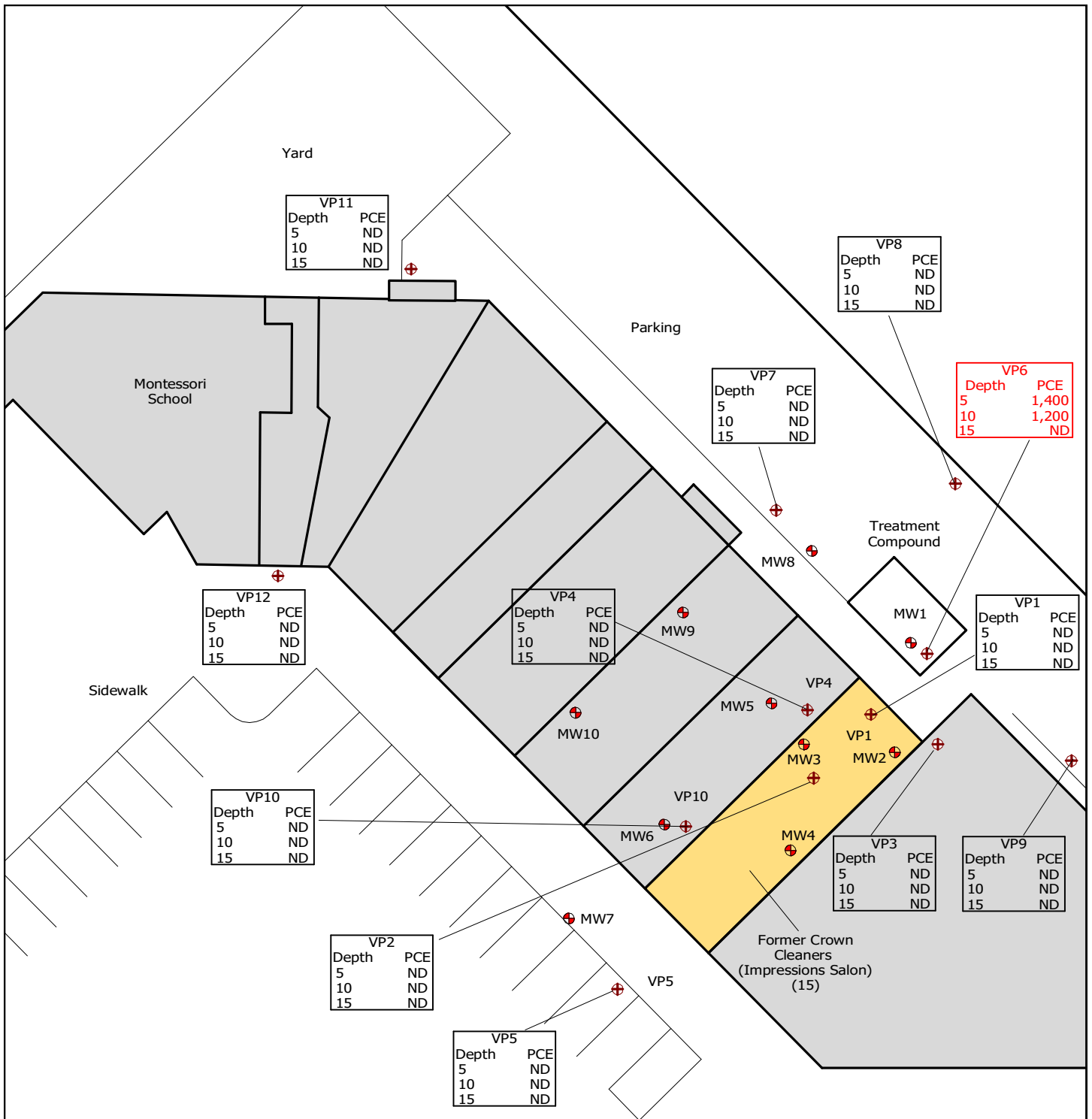


FIGURE 4  
CURRENT DISTRIBUTION OF PCE IN SOIL  
FORMER CROWN CLEANERS  
24601 Raymond Way  
Lake Forest, California

PCE Concentrations in Soil Media Shown in ug/Kg (June 2017).



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APPROXIMATE SCALE IN FEET  
0 30 60



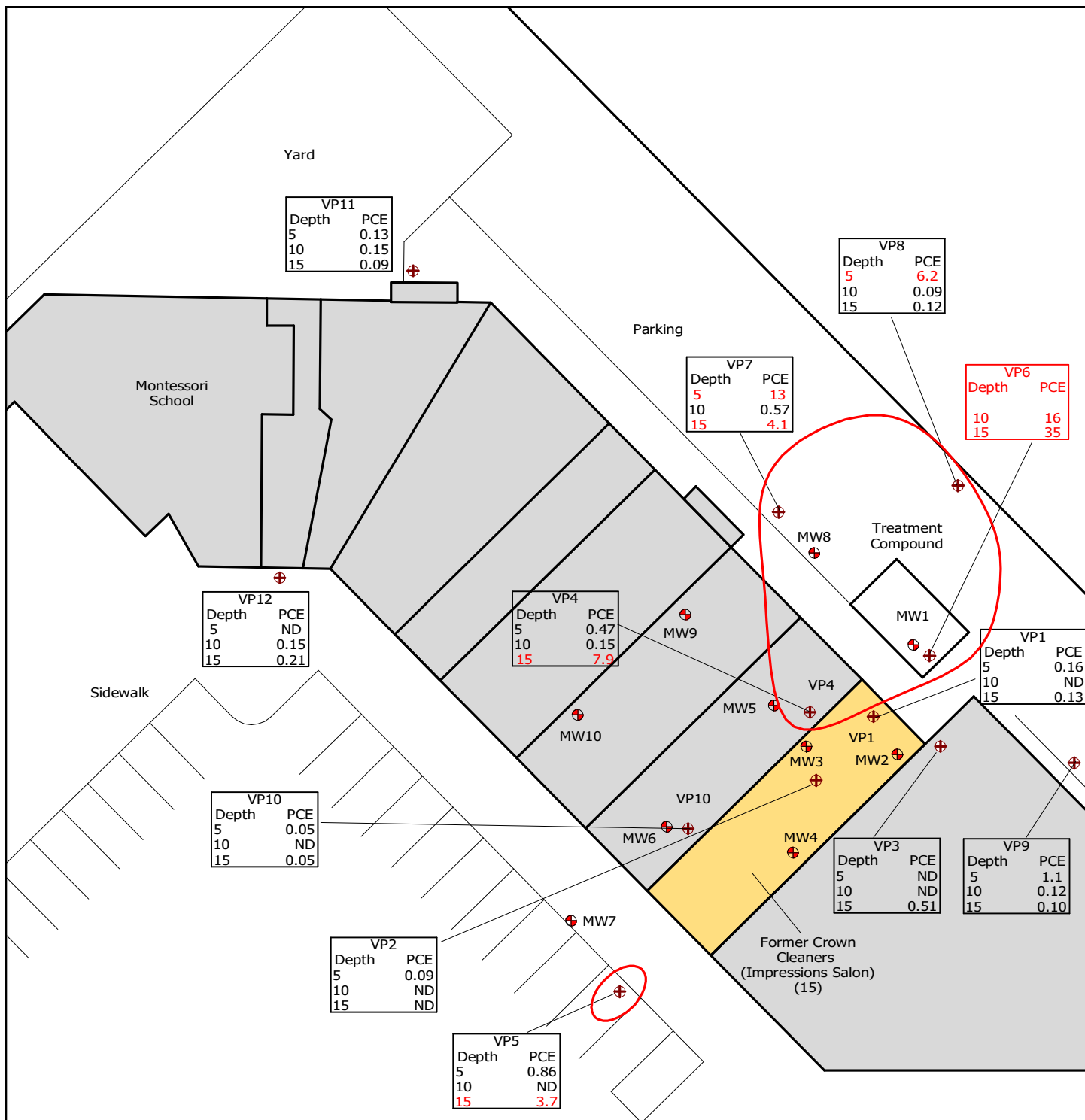


FIGURE 5  
CURRENT DISTRIBUTION OF PCE IN SOIL GAS  
FORMER CROWN CLEANERS  
24601 Raymond Way  
Lake Forest, California

PCE Concentrations in Soil Gas Media Shown in ug/L (June 2017).



**GSA**  
ENGINEERING, INC.

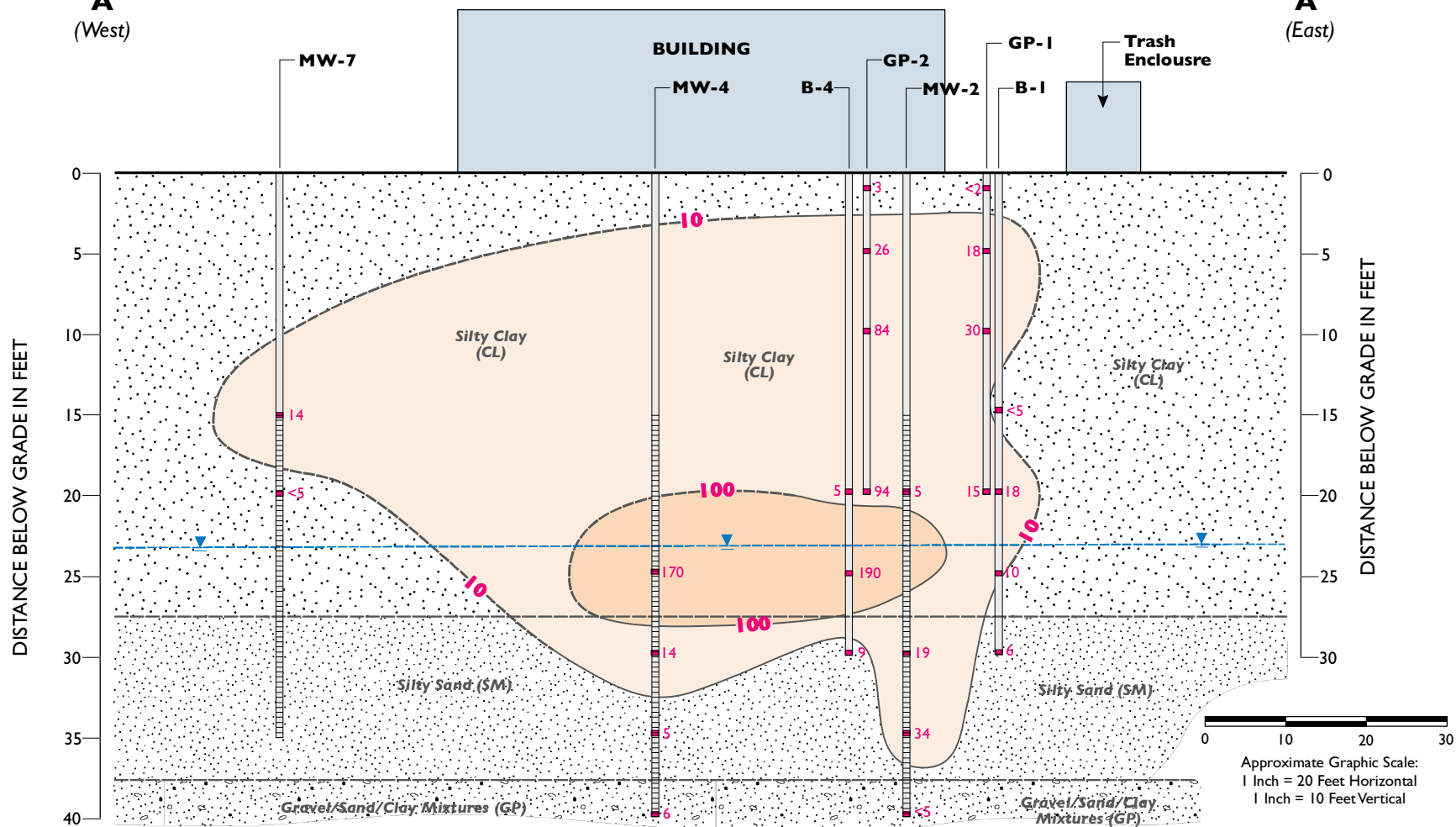


APPROXIMATE SCALE IN FEET  
0 30 60

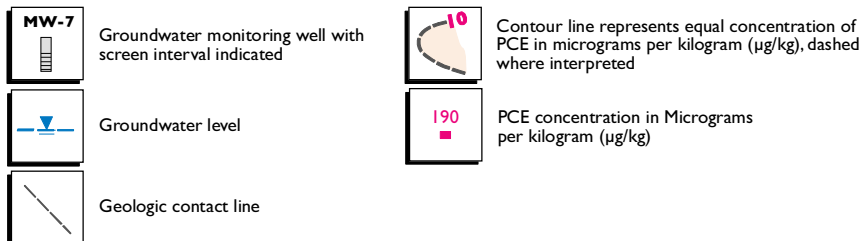
## **APPENDIX A**

**A**  
(West)

**A'**  
(East)



#### EXPLANATION



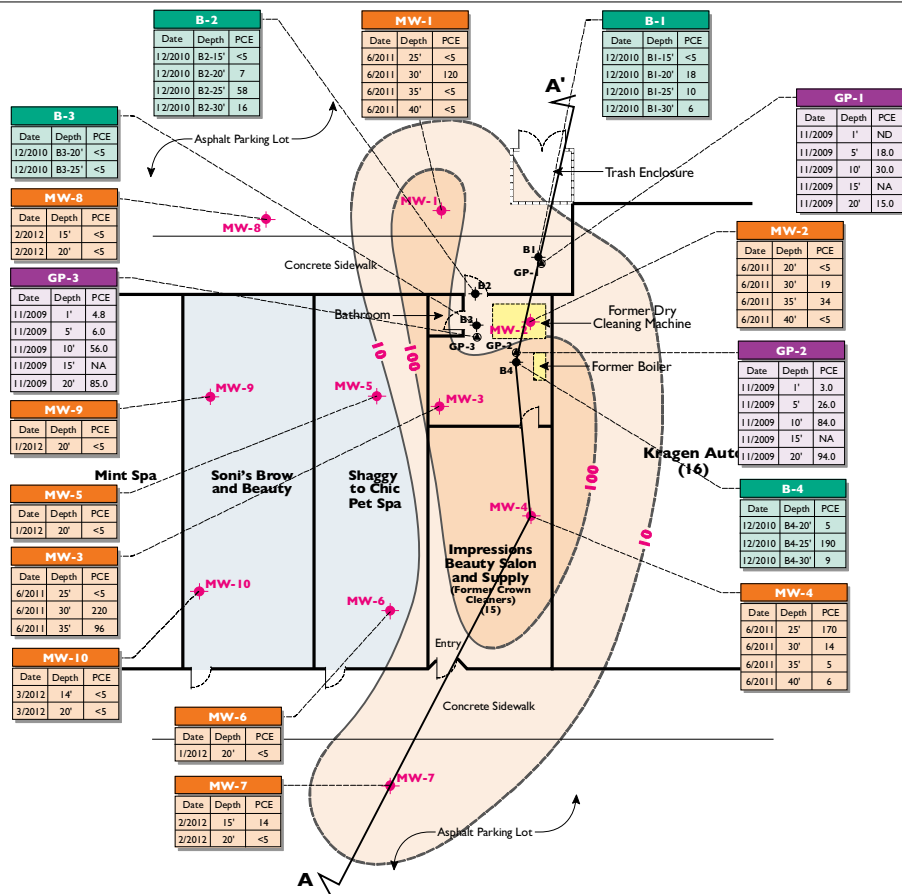
**L. JOSEPH ASSOCIATES, LLC**  
Environmental Consultants

Client:  
**Former Crown Cleaners**  
24601 Raymond Way, Suite 15  
Lake Forest, California

## GEOLOGIC CROSS SECTION A-A'

Plate 4

Drawn By: H.L. Approved By: H.H. Project Number: 01915 Date: November 2016



#### EXPLANATION



Location and designation of monitoring well by L. Joseph Associates, LLC.



Location and designation of soil boring by L. Joseph Associates, LLC, December 3, 2010.



Location and designation of previous soil boring by Avalon Environmental Consultants.



Contour of PCE concentration in micrograms per kilogram ( $\mu\text{g/kg}$ ). Dashed where inferred.



Geologic cross section (See figure 4)

Date	Depth	PCE
11/2009	1'	4.8
11/2009	5'	6.0
11/2009	10'	56.0
11/2009	15'	NA
11/2009	20'	85.0

Date	Depth	PCE
11/2009	1'	4.8
11/2009	5'	6.0
11/2009	10'	56.0
11/2009	15'	NA
11/2009	20'	85.0

Date	Depth	PCE
12/2010	B4-20'	5
12/2010	B4-25'	190
12/2010	B4-30'	9

Date	Depth	PCE
12/2010	B4-20'	5
12/2010	B4-25'	190
12/2010	B4-30'	9

Location and designation of analyte result as reported by Avalon Environmental Consultants, with PCE concentration at specified depth in parts per billion (ppb). ND indicates non-detect at laboratory detection level and NA indicates not analyzed.

Location and designation of analyte result as reported by L. Joseph Associates, LLC, with PCE concentration at specified depth in micrograms per kilogram ( $\mu\text{g/kg}$ ).

Date	Depth	PCE
3/2012	14'	<5
3/2012	20'	<5

Date	Depth	PCE
3/2012	14'	<5
3/2012	20'	<5

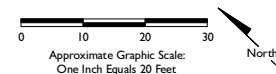
Date	Depth	PCE
3/2012	14'	<5
3/2012	20'	<5

Date	Depth	PCE
3/2012	14'	<5
3/2012	20'	<5

Notes:

1. All locations are approximate.
2. Base map is based on field visit on August 5, 2011.

Location and designation of analyte result as reported by L. Joseph Associates, LLC, with PCE concentration at specified depth in micrograms per kilogram ( $\mu\text{g/kg}$ ).



Client:  
**Former Crown Cleaners**  
24601 Raymond Way, Suite 15  
Lake Forest, California

## SITE PLAN WITH PCE RESULTS IN SOIL

Plate 3

Drawn By: H.L. | Approved By: H.H. | Project Number: 01915 | Date: November 2016



## **APPENDIX B**

# DRILL/LITHOLOGIC LOG



**BORING/WELL NUMBER** VP1

**PROJECT** Former Crown Cleaners

**OWNER** \_\_\_\_\_

**LOCATION** 24601 Raymond Way, Lake Forest, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** June 20, 2017

**TOTAL DEPTH OF HOLE** 15 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**DRILLING COMPANY** Interphase

**DRILL METHOD** GeoProbe

**DRILLER** \_\_\_\_\_

**LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5	Sample Tip			VP1-5	1400	CL	Silty CLAY; olive-brown, medium plasticity, no odor.
10	Sample Tip			VP1-10	1410	CL	Silty CLAY; olive-brown, medium plasticity, no odor.
15	Sample Tip			VP1-15	1425	SC	Clayey SAND; light brown, very fine grained, some silt, no odor.
							Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.

**DRILLER** \_\_\_\_\_ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5				VP2-5	0800	CL	Silty CLAY; brown, medium plasticity, trace very fine sand, no odor.
	Sample Tip						
10				VP2-10	0815	CL	Silty CLAY; brown, low plasticity, 10% very fine sand, no odor.
	Sample Tip						
15				VP2-15	0830	SM	Silty SAND; light brown, very fine grained, some clay, loose, no odor.  Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.
	Sample Tip						

**DRILLER** \_\_\_\_\_ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	
	PIPE	FILL		NUMBER	TIME			
5				VP3-5	0655	CL	Silty CLAY; brown, medium plasticity, stiff, trace very fine sand, no odor.	
	Sample Tip							
10				VP3-10	0720	CL		Silty CLAY; brown, low plasticity, trace very fine sand, stiff, no odor.
	Sample Tip							
15				VP3-15	0735	SM		Silty SAND; light brown, very fine grained, some clay, loose, no odor.
	Sample Tip							
Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.								



DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	
	PIPE	FILL		NUMBER	TIME			
5				VP4-5	0755	CL	Silty CLAY; tan, medium plasticity, very moist, no odor.	
	Sample Tip							
10	Sample Tip			VP4-10	0810	CL		Silty CLAY; gray-brown, medium plasticity, minor sand, no odor.
15	Sample Tip			VP4-15	0830	SC		
Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.								

# DRILL/LITHOLOGIC LOG



BORING/WELL NUMBER VP5

PROJECT Former Crown Cleaners

OWNER \_\_\_\_\_

LOCATION 24601 Raymond Way, Lake Forest, CA

PROJECT NUMBER \_\_\_\_\_

DATE DRILLED June 21, 2017

TOTAL DEPTH OF HOLE 15 Feet

SURFACE ELEVATION \_\_\_\_\_

DEPTH TO WATER \_\_\_\_\_

SCREEN: DIA. \_\_\_\_\_

LENGTH \_\_\_\_\_

SLOT SIZE \_\_\_\_\_

CASING: DIA. \_\_\_\_\_

LENGTH \_\_\_\_\_

TYPE \_\_\_\_\_

DRILLING COMPANY Interphase

DRILL METHOD GeoProbe

DRILLER \_\_\_\_\_

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5	Sample Tip			VP5-5	1200	CL	Silty CLAY; light brown, medium plasticity, no odor.
8						SC	Changes to Clayey SAND
10	Sample Tip			VP5-10	1210	CL/SC	Silty CLAY; dark brown, medium plasticity, minor sand, no odor. Changes to Clayey SAND; at 12 feet.
12						SC	Changes to Clayey SAND
15	Sample Tip			VP5-15	1230	SM/CL	Silty SAND; light brown, very fine sand, loose, dry, no odor. Changes to Silty CLAY with very fine sand at 15 feet.
							Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.

# DRILL/LITHOLOGIC LOG



**BORING/WELL NUMBER** VP6

**PROJECT** Former Crown Cleaners

**OWNER** \_\_\_\_\_

**LOCATION** 24601 Raymond Way, Lake Forest, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** June 20, 2017

**TOTAL DEPTH OF HOLE** 15 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**DRILLING COMPANY** Interphase

**DRILL METHOD** GeoProbe

**DRILLER** \_\_\_\_\_

**LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5	**			VP6-5	1435	CL	Silty CLAY; light brown, medium plasticity, wet, no odor.  Water standing in open borehole at 5 feet.
10	Sample Tip			VP6-10	1445	CL	Silty CLAY; dark brown, medium plasticity, very moist, no odor.
15	Sample Tip			VP6-15	1500	SC	Silty, Clayey SAND; light brown, very fine grained, dry, no odor.  Install soil gas probes at 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.  **-Probe not set at 5 feet due to saturated soil, possibly from nearby surface water drain or sewer line.

<b>DRILLER</b>	<b>LOG BY</b> Dan Louks
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DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	
	PIPE	FILL		NUMBER	TIME			
5				VP7-5	1030	CL	Silty CLAY; light brown, medium plasticity, very moist to wet, no odor.	
	Sample Tip							
10				VP7-10	1040	CL		Silty CLAY; dark brown, medium plasticity, dry, no odor.
	Sample Tip							
15				VP7-15	1055	SC		Clayey SAND; brown, very fine grained, some silt, dry, no odor.
	Sample Tip							
Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.								



# DRILL/LITHOLOGIC LOG



**BORING/WELL NUMBER** VP8

**PROJECT** Former Crown Cleaners

**OWNER** \_\_\_\_\_

**LOCATION** 24601 Raymond Way, Lake Forest, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** June 20, 2017

**TOTAL DEPTH OF HOLE** 15 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_

**LENGTH** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**DRILLING COMPANY** Interphase

**DRILL METHOD** GeoProbe

**DRILLER** \_\_\_\_\_

**LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5				VP8-5	1325	CL	Silty CLAY; light brown, medium plasticity, very moist, no odor.
	Sample Tip						
10				VP8-10	1335	CL	Silty CLAY; light brown, medium plasticity, moist, no odor.
	Sample Tip						
15				VP8-15	1355	CL/SM	Sandy CLAY; brown, low plasticity, 30-40% very fine sand, slightly moist, no odor, Thin 8" lens of brown silty sand.  Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.
	Sample Tip						

**DRILLER** \_\_\_\_\_ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	
	PIPE	FILL		NUMBER	TIME			
5  2-6  6-7  7-8  10   8-13  14  15				VP9-5	1550	SW	SAND; reddish brown, very fine to medium grained, poorly sorted with 10% fine gravel, dry, no odor.	
	Sample Tip							
					VP9-10	1600	SC	Clayey SAND; gray-brown, very fine grained, interbedded lenses of Silty CLAY; brown, dense, very moist, no odor.
	Sample Tip							
					VP9-15	1615	CL/SC	Silty CLAY; brown, low plasticity. Changes to Clayey SAND; brown, wet, no odor.
							Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.	

**DRILLER** \_\_\_\_\_ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	
	PIPE	FILL		NUMBER	TIME			
5				VP10-5	0905	CL	Silty CLAY; brown, medium plasticity, some very fine sand, moist, no odor.	
	Sample Tip							
10				VP10-10	0920	CL		Silty CLAY; brown, medium plasticity, some very fine sand, moist, no odor.
	Sample Tip							
15				VP10-15	0935	SM		Silty SAND; brown, very fine sand, loose, no odor.
	Sample Tip							
Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.								

# DRILL/LITHOLOGIC LOG



BORING/WELL NUMBER VP11

PROJECT Former Crown Cleaners

OWNER \_\_\_\_\_

LOCATION 24601 Raymond Way, Lake Forest, CA

PROJECT NUMBER \_\_\_\_\_

DATE DRILLED June 21, 2017

TOTAL DEPTH OF HOLE 15 Feet

SURFACE ELEVATION \_\_\_\_\_

DEPTH TO WATER \_\_\_\_\_

SCREEN: DIA. \_\_\_\_\_

LENGTH \_\_\_\_\_

SLOT SIZE \_\_\_\_\_

CASING: DIA. \_\_\_\_\_

LENGTH \_\_\_\_\_

TYPE \_\_\_\_\_

DRILLING COMPANY Interphase

DRILL METHOD GeoProbe

DRILLER \_\_\_\_\_

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TIME		
5	Sample Tip			VP11-5	1100	CL	Silty CLAY; light brown, medium plasticity, trace very fine sand, no odor.
10	Sample Tip			VP11-10	1110	CL	Silty CLAY; dark brown, medium plasticity, some very fine sand, no odor.
15	Sample Tip			VP11-15	1125	SM	Silty SAND; light brown, very fine sand, some clay, loose, moist, no odor.
							Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.



**DRILLER** \_\_\_\_\_ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)		
	PIPE	FILL		NUMBER	TIME				
5				VP12-5	0955	CL	Silty CLAY; light brown, medium plasticity, trace very fine sand, wet, no odor.		
	Sample Tip								
10				VP12-10	1005	CL		Silty CLAY; dark brown, medium plasticity, some very fine sand, slightly moist, no odor.	
	Sample Tip								
15				VP12-15	1015	SM			Silty SAND; light brown, very fine sand, some clay, loose, moist, no odor.
	Sample Tip								
							Install soil gas probes at 5, 10, and 15 feet. Filter pack 1-foot thick along sample tip, sealed with 0.5 feet dry bentonite, and hydrated bentonite. Probes labeled and set in traffic vault for future sampling.		

## **APPENDIX C**



June 28, 2017

Dan Louks  
GSA Engineering  
16950 Avenida De Santa Ynez  
Pacific Palisades, CA 90272  
Tel: (310) 459-7320  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003  
TCEQ No. : T104704502

Re: ATL Work Order Number : 1702373  
Client Reference : Former Crown Cleaners

Enclosed are the results for sample(s) received on June 20, 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", is positioned above the printed name.

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

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP1-5	1702373-01	Soil	6/20/17 14:00	6/20/17 18:05
VP1-10	1702373-02	Soil	6/20/17 14:10	6/20/17 18:05
VP1-15	1702373-03	Soil	6/20/17 14:25	6/20/17 18:05
VP2-5	1702373-04	Soil	6/20/17 8:00	6/20/17 18:05
VP2-10	1702373-05	Soil	6/20/17 8:15	6/20/17 18:05
VP2-15	1702373-06	Soil	6/20/17 8:30	6/20/17 18:05
VP3-5	1702373-07	Soil	6/20/17 6:55	6/20/17 18:05
VP3-10	1702373-08	Soil	6/20/17 7:20	6/20/17 18:05
VP3-15	1702373-09	Soil	6/20/17 7:35	6/20/17 18:05
VP6-5	1702373-10	Soil	6/20/17 14:35	6/20/17 18:05
VP6-10	1702373-11	Soil	6/20/17 14:45	6/20/17 18:05
VP6-15	1702373-12	Soil	6/20/17 15:00	6/20/17 18:05
VP7-5	1702373-13	Soil	6/20/17 10:30	6/20/17 18:05
VP7-10	1702373-14	Soil	6/20/17 10:40	6/20/17 18:05
VP7-15	1702373-15	Soil	6/20/17 10:55	6/20/17 18:05
VP8-5	1702373-16	Soil	6/20/17 13:25	6/20/17 18:05
VP8-10	1702373-17	Soil	6/20/17 13:35	6/20/17 18:05
VP8-15	1702373-18	Soil	6/20/17 13:55	6/20/17 18:05
VP9-5	1702373-19	Soil	6/20/17 15:50	6/20/17 18:05
VP9-10	1702373-20	Soil	6/20/17 16:00	6/20/17 18:05
VP9-15	1702373-21	Soil	6/20/17 16:15	6/20/17 18:05

### CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-5**

**Lab ID: 1702373-01**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1,1-Trichloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1,2-Trichloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1-Dichloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1-Dichloroethene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,1-Dichloropropene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2,3-Trichloropropane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2,3-Trichlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2,4-Trichlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2,4-Trimethylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2-Dibromoethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2-Dichlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2-Dichloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,2-Dichloropropane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,3,5-Trimethylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,3-Dichlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,3-Dichloropropane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
1,4-Dichlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
2,2-Dichloropropane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
2-Chlorotoluene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
4-Chlorotoluene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
4-Isopropyltoluene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Benzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Bromobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Bromochloromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Bromodichloromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Bromoform	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Bromomethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Carbon disulfide	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Carbon tetrachloride	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Chlorobenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Chloroethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Chloroform	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Chloromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
cis-1,2-Dichloroethene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-5**

**Lab ID: 1702373-01**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Di-isopropyl ether	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Dibromochloromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Dibromomethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Dichlorodifluoromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Ethyl Acetate	ND	41	1	B7F0438	06/21/2017	06/21/17 10:20	
Ethyl Ether	ND	41	1	B7F0438	06/21/2017	06/21/17 10:20	
Ethyl tert-butyl ether	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Ethylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Freon-113	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Hexachlorobutadiene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Isopropylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
m,p-Xylene	ND	8.2	1	B7F0438	06/21/2017	06/21/17 10:20	
Methylene chloride	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
MTBE	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
n-Butylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
n-Propylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Naphthalene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
o-Xylene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
sec-Butylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Styrene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
tert-Amyl methyl ether	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
tert-Butanol	ND	82	1	B7F0438	06/21/2017	06/21/17 10:20	
tert-Butylbenzene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Tetrachloroethene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Toluene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
trans-1,2-Dichloroethene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
trans-1,3-Dichloropropene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Trichloroethene	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Trichlorofluoromethane	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	
Vinyl acetate	ND	41	1	B7F0438	06/21/2017	06/21/17 10:20	
Vinyl chloride	ND	4.1	1	B7F0438	06/21/2017	06/21/17 10:20	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>96.2 %</i>	<i>12 - 186</i>		B7F0438	06/21/2017	06/21/17 10:20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.6 %</i>	<i>23 - 162</i>		B7F0438	06/21/2017	06/21/17 10:20
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>23 - 179</i>		B7F0438	06/21/2017	06/21/17 10:20
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>26 - 164</i>		B7F0438	06/21/2017	06/21/17 10:20



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-10**

**Lab ID: 1702373-02**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1,1-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1,2-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,1-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2,3-Trichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2,3-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2,4-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2,4-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2-Dibromo-3-chloropropane	ND	7.7	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2-Dibromoethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,3,5-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,3-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,3-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
1,4-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
2,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
2-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
4-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
4-Isopropyltoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Benzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Bromobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Bromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Bromodichloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Bromoform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Bromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Carbon disulfide	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Carbon tetrachloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Chlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Chloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Chloroform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Chloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
cis-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-10**

**Lab ID: 1702373-02**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Di-isopropyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Dibromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Dibromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Dichlorodifluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Ethyl Acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 10:39	
Ethyl Ether	ND	38	1	B7F0438	06/21/2017	06/21/17 10:39	
Ethyl tert-butyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Ethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Freon-113	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Hexachlorobutadiene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Isopropylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
m,p-Xylene	ND	7.7	1	B7F0438	06/21/2017	06/21/17 10:39	
Methylene chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
MTBE	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
n-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
n-Propylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Naphthalene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
o-Xylene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
sec-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Styrene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
tert-Amyl methyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
tert-Butanol	ND	77	1	B7F0438	06/21/2017	06/21/17 10:39	
tert-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Tetrachloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Toluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
trans-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
trans-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Trichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Trichlorofluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	
Vinyl acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 10:39	
Vinyl chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 10:39	

Surrogate: 1,2-Dichloroethane-d4	99.0 %	12 - 186	B7F0438	06/21/2017	06/21/17 10:39
Surrogate: 4-Bromofluorobenzene	94.6 %	23 - 162	B7F0438	06/21/2017	06/21/17 10:39
Surrogate: Dibromofluoromethane	107 %	23 - 179	B7F0438	06/21/2017	06/21/17 10:39
Surrogate: Toluene-d8	102 %	26 - 164	B7F0438	06/21/2017	06/21/17 10:39





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-15**

**Lab ID: 1702373-03**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1,1-Trichloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1,2-Trichloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1-Dichloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1-Dichloroethene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,1-Dichloropropene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2,3-Trichloropropane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2,3-Trichlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2,4-Trichlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2,4-Trimethylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2-Dibromoethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2-Dichlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2-Dichloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,2-Dichloropropane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,3,5-Trimethylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,3-Dichlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,3-Dichloropropane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
1,4-Dichlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
2,2-Dichloropropane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
2-Chlorotoluene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
4-Chlorotoluene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
4-Isopropyltoluene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Benzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Bromobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Bromochloromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Bromodichloromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Bromoform	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Bromomethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Carbon disulfide	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Carbon tetrachloride	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Chlorobenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Chloroethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Chloroform	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Chloromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
cis-1,2-Dichloroethene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP1-15**

**Lab ID: 1702373-03**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Di-isopropyl ether	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Dibromochloromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Dibromomethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Dichlorodifluoromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Ethyl Acetate	ND	47	1	B7F0438	06/21/2017	06/21/17 10:57	
Ethyl Ether	ND	47	1	B7F0438	06/21/2017	06/21/17 10:57	
Ethyl tert-butyl ether	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Ethylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Freon-113	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Hexachlorobutadiene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Isopropylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
m,p-Xylene	ND	9.5	1	B7F0438	06/21/2017	06/21/17 10:57	
Methylene chloride	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
MTBE	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
n-Butylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
n-Propylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Naphthalene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
o-Xylene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
sec-Butylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Styrene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
tert-Amyl methyl ether	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
tert-Butanol	ND	95	1	B7F0438	06/21/2017	06/21/17 10:57	
tert-Butylbenzene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Tetrachloroethene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Toluene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
trans-1,2-Dichloroethene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
trans-1,3-Dichloropropene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Trichloroethene	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Trichlorofluoromethane	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	
Vinyl acetate	ND	47	1	B7F0438	06/21/2017	06/21/17 10:57	
Vinyl chloride	ND	4.7	1	B7F0438	06/21/2017	06/21/17 10:57	

Surrogate: 1,2-Dichloroethane-d4	100 %	12 - 186	B7F0438	06/21/2017	06/21/17 10:57
Surrogate: 4-Bromofluorobenzene	93.0 %	23 - 162	B7F0438	06/21/2017	06/21/17 10:57
Surrogate: Dibromofluoromethane	105 %	23 - 179	B7F0438	06/21/2017	06/21/17 10:57
Surrogate: Toluene-d8	104 %	26 - 164	B7F0438	06/21/2017	06/21/17 10:57



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-5**

**Lab ID: 1702373-04**

**Volatile Organic Compounds by EPA 5035/EPA 8260B**

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1,1-Trichloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1,2-Trichloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1-Dichloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1-Dichloroethene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,1-Dichloropropene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2,3-Trichloropropane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2,3-Trichlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2,4-Trichlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2,4-Trimethylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2-Dibromoethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2-Dichlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2-Dichloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,2-Dichloropropane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,3,5-Trimethylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,3-Dichlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,3-Dichloropropane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
1,4-Dichlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
2,2-Dichloropropane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
2-Chlorotoluene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
4-Chlorotoluene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
4-Isopropyltoluene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Benzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Bromobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Bromochloromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Bromodichloromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Bromoform	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Bromomethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Carbon disulfide	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Carbon tetrachloride	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Chlorobenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Chloroethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Chloroform	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Chloromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
cis-1,2-Dichloroethene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-5**

**Lab ID: 1702373-04**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Di-isopropyl ether	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Dibromochloromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Dibromomethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Dichlorodifluoromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Ethyl Acetate	ND	36	1	B7F0438	06/21/2017	06/21/17 11:16	
Ethyl Ether	ND	36	1	B7F0438	06/21/2017	06/21/17 11:16	
Ethyl tert-butyl ether	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Ethylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Freon-113	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Hexachlorobutadiene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Isopropylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
m,p-Xylene	ND	7.3	1	B7F0438	06/21/2017	06/21/17 11:16	
Methylene chloride	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
MTBE	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
n-Butylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
n-Propylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Naphthalene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
o-Xylene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
sec-Butylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Styrene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
tert-Amyl methyl ether	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
tert-Butanol	ND	73	1	B7F0438	06/21/2017	06/21/17 11:16	
tert-Butylbenzene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Tetrachloroethene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Toluene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
trans-1,2-Dichloroethene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
trans-1,3-Dichloropropene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Trichloroethene	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Trichlorofluoromethane	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Vinyl acetate	ND	36	1	B7F0438	06/21/2017	06/21/17 11:16	
Vinyl chloride	ND	3.6	1	B7F0438	06/21/2017	06/21/17 11:16	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	12 - 186		B7F0438	06/21/2017	06/21/17 11:16	
Surrogate: 4-Bromofluorobenzene	92.0 %	23 - 162		B7F0438	06/21/2017	06/21/17 11:16	
Surrogate: Dibromofluoromethane	108 %	23 - 179		B7F0438	06/21/2017	06/21/17 11:16	
Surrogate: Toluene-d8	104 %	26 - 164		B7F0438	06/21/2017	06/21/17 11:16	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-10**

**Lab ID: 1702373-05**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1,1-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1,2-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,1-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2,3-Trichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2,3-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2,4-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2,4-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2-Dibromo-3-chloropropane	ND	7.5	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2-Dibromoethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,3,5-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,3-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,3-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
1,4-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
2,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
2-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
4-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
4-Isopropyltoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Benzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Bromobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Bromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Bromodichloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Bromoform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Bromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Carbon disulfide	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Carbon tetrachloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Chlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Chloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Chloroform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Chloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
cis-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-10**

**Lab ID: 1702373-05**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Di-isopropyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Dibromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Dibromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Dichlorodifluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Ethyl Acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 11:35	
Ethyl Ether	ND	38	1	B7F0438	06/21/2017	06/21/17 11:35	
Ethyl tert-butyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Ethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Freon-113	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Hexachlorobutadiene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Isopropylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
m,p-Xylene	ND	7.5	1	B7F0438	06/21/2017	06/21/17 11:35	
Methylene chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
MTBE	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
n-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
n-Propylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Naphthalene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
o-Xylene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
sec-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Styrene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
tert-Amyl methyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
tert-Butanol	ND	75	1	B7F0438	06/21/2017	06/21/17 11:35	
tert-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Tetrachloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Toluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
trans-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
trans-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Trichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Trichlorofluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	
Vinyl acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 11:35	
Vinyl chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 11:35	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>104 %</i>	<i>12 - 186</i>		B7F0438	06/21/2017	06/21/17 11:35
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.3 %</i>	<i>23 - 162</i>		B7F0438	06/21/2017	06/21/17 11:35
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>23 - 179</i>		B7F0438	06/21/2017	06/21/17 11:35
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>26 - 164</i>		B7F0438	06/21/2017	06/21/17 11:35



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-15**

**Lab ID: 1702373-06**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1,1-Trichloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1,2,2-Tetrachloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1,2-Trichloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1-Dichloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1-Dichloroethene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,1-Dichloropropene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2,3-Trichloropropane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2,3-Trichlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2,4-Trichlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2,4-Trimethylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2-Dibromoethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2-Dichlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2-Dichloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,2-Dichloropropane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,3,5-Trimethylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,3-Dichlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,3-Dichloropropane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
1,4-Dichlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
2,2-Dichloropropane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
2-Chlorotoluene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
4-Chlorotoluene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
4-Isopropyltoluene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Benzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Bromobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Bromochloromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Bromodichloromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Bromoform	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Bromomethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Carbon disulfide	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Carbon tetrachloride	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Chlorobenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Chloroethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Chloroform	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Chloromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
cis-1,2-Dichloroethene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP2-15**

**Lab ID: 1702373-06**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Di-isopropyl ether	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Dibromochloromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Dibromomethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Dichlorodifluoromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Ethyl Acetate	ND	52	1	B7F0438	06/21/2017	06/21/17 11:53	
Ethyl Ether	ND	52	1	B7F0438	06/21/2017	06/21/17 11:53	
Ethyl tert-butyl ether	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Ethylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Freon-113	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Hexachlorobutadiene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Isopropylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
m,p-Xylene	ND	10	1	B7F0438	06/21/2017	06/21/17 11:53	
Methylene chloride	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
MTBE	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
n-Butylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
n-Propylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Naphthalene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
o-Xylene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
sec-Butylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Styrene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
tert-Amyl methyl ether	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
tert-Butanol	ND	100	1	B7F0438	06/21/2017	06/21/17 11:53	
tert-Butylbenzene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Tetrachloroethene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Toluene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
trans-1,2-Dichloroethene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
trans-1,3-Dichloropropene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Trichloroethene	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Trichlorofluoromethane	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Vinyl acetate	ND	52	1	B7F0438	06/21/2017	06/21/17 11:53	
Vinyl chloride	ND	5.2	1	B7F0438	06/21/2017	06/21/17 11:53	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	12 - 186		B7F0438	06/21/2017	06/21/17 11:53	
Surrogate: 4-Bromofluorobenzene	91.3 %	23 - 162		B7F0438	06/21/2017	06/21/17 11:53	
Surrogate: Dibromofluoromethane	112 %	23 - 179		B7F0438	06/21/2017	06/21/17 11:53	
Surrogate: Toluene-d8	106 %	26 - 164		B7F0438	06/21/2017	06/21/17 11:53	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-5**

**Lab ID: 1702373-07**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1,1-Trichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1,2-Trichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1-Dichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,1-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2,3-Trichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2,3-Trichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2,4-Trichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2,4-Trimethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2-Dibromo-3-chloropropane	ND	7.0	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2-Dibromoethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2-Dichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,2-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,3,5-Trimethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,3-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,3-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
1,4-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
2,2-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
2-Chlorotoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
4-Chlorotoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
4-Isopropyltoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Benzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Bromobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Bromochloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Bromodichloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Bromoform	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Bromomethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Carbon disulfide	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Carbon tetrachloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Chlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Chloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Chloroform	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Chloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
cis-1,2-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-5**

**Lab ID: 1702373-07**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Di-isopropyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Dibromochloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Dibromomethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Dichlorodifluoromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Ethyl Acetate	ND	35	1	B7F0438	06/21/2017	06/21/17 12:12	
Ethyl Ether	ND	35	1	B7F0438	06/21/2017	06/21/17 12:12	
Ethyl tert-butyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Ethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Freon-113	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Hexachlorobutadiene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Isopropylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
m,p-Xylene	ND	7.0	1	B7F0438	06/21/2017	06/21/17 12:12	
Methylene chloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
MTBE	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
n-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
n-Propylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Naphthalene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
o-Xylene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
sec-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Styrene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
tert-Amyl methyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
tert-Butanol	ND	70	1	B7F0438	06/21/2017	06/21/17 12:12	
tert-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Tetrachloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Toluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
trans-1,2-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
trans-1,3-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Trichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Trichlorofluoromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	
Vinyl acetate	ND	35	1	B7F0438	06/21/2017	06/21/17 12:12	
Vinyl chloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:12	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>105 %</i>	<i>12 - 186</i>		B7F0438	06/21/2017	06/21/17 12:12
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.2 %</i>	<i>23 - 162</i>		B7F0438	06/21/2017	06/21/17 12:12
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>23 - 179</i>		B7F0438	06/21/2017	06/21/17 12:12
<i>Surrogate: Toluene-d8</i>	<i>95.9 %</i>	<i>26 - 164</i>		B7F0438	06/21/2017	06/21/17 12:12



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-10**

**Lab ID: 1702373-08**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1,1-Trichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1,2-Trichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1-Dichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,1-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2,3-Trichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2,3-Trichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2,4-Trichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2,4-Trimethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2-Dibromo-3-chloropropane	ND	7.1	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2-Dibromoethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2-Dichloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,2-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,3,5-Trimethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,3-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,3-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
1,4-Dichlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
2,2-Dichloropropane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
2-Chlorotoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
4-Chlorotoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
4-Isopropyltoluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Benzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Bromobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Bromochloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Bromodichloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Bromoform	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Bromomethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Carbon disulfide	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Carbon tetrachloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Chlorobenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Chloroethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Chloroform	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Chloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
cis-1,2-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-10**

**Lab ID: 1702373-08**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Di-isopropyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Dibromochloromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Dibromomethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Dichlorodifluoromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Ethyl Acetate	ND	35	1	B7F0438	06/21/2017	06/21/17 12:30	
Ethyl Ether	ND	35	1	B7F0438	06/21/2017	06/21/17 12:30	
Ethyl tert-butyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Ethylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Freon-113	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Hexachlorobutadiene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Isopropylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
m,p-Xylene	ND	7.1	1	B7F0438	06/21/2017	06/21/17 12:30	
Methylene chloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
MTBE	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
n-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
n-Propylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Naphthalene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
o-Xylene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
sec-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Styrene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
tert-Amyl methyl ether	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
tert-Butanol	ND	71	1	B7F0438	06/21/2017	06/21/17 12:30	
tert-Butylbenzene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Tetrachloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Toluene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
trans-1,2-Dichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
trans-1,3-Dichloropropene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Trichloroethene	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Trichlorofluoromethane	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	
Vinyl acetate	ND	35	1	B7F0438	06/21/2017	06/21/17 12:30	
Vinyl chloride	ND	3.5	1	B7F0438	06/21/2017	06/21/17 12:30	

Surrogate: 1,2-Dichloroethane-d4	105 %	12 - 186	B7F0438	06/21/2017	06/21/17 12:30
Surrogate: 4-Bromofluorobenzene	92.7 %	23 - 162	B7F0438	06/21/2017	06/21/17 12:30
Surrogate: Dibromofluoromethane	110 %	23 - 179	B7F0438	06/21/2017	06/21/17 12:30
Surrogate: Toluene-d8	104 %	26 - 164	B7F0438	06/21/2017	06/21/17 12:30



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-15**

**Lab ID: 1702373-09**

**Volatile Organic Compounds by EPA 5035/EPA 8260B**

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1,1-Trichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1,2-Trichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1-Dichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,1-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2,3-Trichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2,3-Trichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2,4-Trichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2,4-Trimethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2-Dibromoethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2-Dichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,2-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,3,5-Trimethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,3-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,3-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
1,4-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
2,2-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
2-Chlorotoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
4-Chlorotoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
4-Isopropyltoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Benzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Bromobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Bromochloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Bromodichloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Bromoform	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Bromomethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Carbon disulfide	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Carbon tetrachloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Chlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Chloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Chloroform	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Chloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
cis-1,2-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP3-15**

**Lab ID: 1702373-09**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Di-isopropyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Dibromochloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Dibromomethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Dichlorodifluoromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Ethyl Acetate	ND	44	1	B7F0438	06/21/2017	06/21/17 12:49	
Ethyl Ether	ND	44	1	B7F0438	06/21/2017	06/21/17 12:49	
Ethyl tert-butyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Ethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Freon-113	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Hexachlorobutadiene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Isopropylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
m,p-Xylene	ND	8.8	1	B7F0438	06/21/2017	06/21/17 12:49	
Methylene chloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
MTBE	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
n-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
n-Propylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Naphthalene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
o-Xylene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
sec-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Styrene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
tert-Amyl methyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
tert-Butanol	ND	88	1	B7F0438	06/21/2017	06/21/17 12:49	
tert-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Tetrachloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Toluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
trans-1,2-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
trans-1,3-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Trichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Trichlorofluoromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	
Vinyl acetate	ND	44	1	B7F0438	06/21/2017	06/21/17 12:49	
Vinyl chloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 12:49	

Surrogate: 1,2-Dichloroethane-d4	109 %	12 - 186	B7F0438	06/21/2017	06/21/17 12:49
Surrogate: 4-Bromofluorobenzene	92.2 %	23 - 162	B7F0438	06/21/2017	06/21/17 12:49
Surrogate: Dibromofluoromethane	108 %	23 - 179	B7F0438	06/21/2017	06/21/17 12:49
Surrogate: Toluene-d8	103 %	26 - 164	B7F0438	06/21/2017	06/21/17 12:49





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-5**

**Lab ID: 1702373-10**

**Volatile Organic Compounds by EPA 5035/EPA 8260B**

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1,1-Trichloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1,2-Trichloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1-Dichloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1-Dichloroethene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,1-Dichloropropene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2,3-Trichloropropane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2,3-Trichlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2,4-Trichlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2,4-Trimethylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2-Dibromoethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2-Dichlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2-Dichloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,2-Dichloropropane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,3,5-Trimethylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,3-Dichlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,3-Dichloropropane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
1,4-Dichlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
2,2-Dichloropropane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
2-Chlorotoluene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
4-Chlorotoluene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
4-Isopropyltoluene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Benzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Bromobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Bromochloromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Bromodichloromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Bromoform	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Bromomethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Carbon disulfide	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Carbon tetrachloride	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Chlorobenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Chloroethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Chloroform	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Chloromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
cis-1,2-Dichloroethene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-5**

**Lab ID: 1702373-10**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Di-isopropyl ether	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Dibromochloromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Dibromomethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Dichlorodifluoromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Ethyl Acetate	ND	40	1	B7F0438	06/21/2017	06/21/17 13:08	
Ethyl Ether	ND	40	1	B7F0438	06/21/2017	06/21/17 13:08	
Ethyl tert-butyl ether	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Ethylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Freon-113	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Hexachlorobutadiene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Isopropylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
m,p-Xylene	ND	7.9	1	B7F0438	06/21/2017	06/21/17 13:08	
Methylene chloride	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
MTBE	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
n-Butylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
n-Propylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Naphthalene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
o-Xylene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
sec-Butylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Styrene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
tert-Amyl methyl ether	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
tert-Butanol	ND	79	1	B7F0438	06/21/2017	06/21/17 13:08	
tert-Butylbenzene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
<b>Tetrachloroethene</b>	<b>1400</b>	190	50	B7F0457	06/21/2017	06/22/17 14:35	
Toluene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
trans-1,2-Dichloroethene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
trans-1,3-Dichloropropene	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
<b>Trichloroethene</b>	<b>4.9</b>	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Trichlorofluoromethane	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	
Vinyl acetate	ND	40	1	B7F0438	06/21/2017	06/21/17 13:08	
Vinyl chloride	ND	4.0	1	B7F0438	06/21/2017	06/21/17 13:08	

Surrogate: 1,2-Dichloroethane-d4	66.0 %	12 - 186	B7F0457	06/21/2017	06/22/17 14:35
Surrogate: 1,2-Dichloroethane-d4	99.5 %	12 - 186	B7F0438	06/21/2017	06/21/17 13:08
Surrogate: 4-Bromofluorobenzene	91.6 %	23 - 162	B7F0457	06/21/2017	06/22/17 14:35
Surrogate: 4-Bromofluorobenzene	93.6 %	23 - 162	B7F0438	06/21/2017	06/21/17 13:08
Surrogate: Dibromofluoromethane	118 %	23 - 179	B7F0438	06/21/2017	06/21/17 13:08



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-5**

**Lab ID: 1702373-10**

**Volatile Organic Compounds by EPA 5035/EPA 8260B**

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	82.4 %	23 - 179		B7F0457	06/21/2017	06/22/17 14:35	
<i>Surrogate: Toluene-d8</i>	104 %	26 - 164		B7F0438	06/21/2017	06/21/17 13:08	
<i>Surrogate: Toluene-d8</i>	99.0 %	26 - 164		B7F0457	06/21/2017	06/22/17 14:35	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-10**

**Lab ID: 1702373-11**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1,1-Trichloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1,2,2-Tetrachloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1,2-Trichloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1-Dichloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1-Dichloroethene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,1-Dichloropropene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2,3-Trichloropropane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2,3-Trichlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2,4-Trichlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2,4-Trimethylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2-Dibromo-3-chloropropane	ND	6.6	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2-Dibromoethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2-Dichlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2-Dichloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,2-Dichloropropane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,3,5-Trimethylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,3-Dichlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,3-Dichloropropane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
1,4-Dichlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
2,2-Dichloropropane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
2-Chlorotoluene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
4-Chlorotoluene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
4-Isopropyltoluene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Benzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Bromobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Bromochloromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Bromodichloromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Bromoform	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Bromomethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Carbon disulfide	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Carbon tetrachloride	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Chlorobenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Chloroethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Chloroform	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Chloromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
cis-1,2-Dichloroethene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-10**

**Lab ID: 1702373-11**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Di-isopropyl ether	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Dibromochloromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Dibromomethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Dichlorodifluoromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Ethyl Acetate	ND	33	1	B7F0438	06/21/2017	06/21/17 13:26	
Ethyl Ether	ND	33	1	B7F0438	06/21/2017	06/21/17 13:26	
Ethyl tert-butyl ether	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Ethylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Freon-113	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Hexachlorobutadiene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Isopropylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
m,p-Xylene	ND	6.6	1	B7F0438	06/21/2017	06/21/17 13:26	
Methylene chloride	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
MTBE	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
n-Butylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
n-Propylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Naphthalene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
o-Xylene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
sec-Butylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Styrene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
tert-Amyl methyl ether	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
tert-Butanol	ND	66	1	B7F0438	06/21/2017	06/21/17 13:26	
tert-Butylbenzene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
<b>Tetrachloroethene</b>	<b>1200</b>	180	50	B7F0457	06/21/2017	06/22/17 14:54	
Toluene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
trans-1,2-Dichloroethene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
trans-1,3-Dichloropropene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Trichloroethene	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Trichlorofluoromethane	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	
Vinyl acetate	ND	33	1	B7F0438	06/21/2017	06/21/17 13:26	
Vinyl chloride	ND	3.3	1	B7F0438	06/21/2017	06/21/17 13:26	

Surrogate: 1,2-Dichloroethane-d4	66.6 %	12 - 186	B7F0457	06/21/2017	06/22/17 14:54
Surrogate: 1,2-Dichloroethane-d4	114 %	12 - 186	B7F0438	06/21/2017	06/21/17 13:26
Surrogate: 4-Bromofluorobenzene	89.7 %	23 - 162	B7F0457	06/21/2017	06/22/17 14:54
Surrogate: 4-Bromofluorobenzene	90.5 %	23 - 162	B7F0438	06/21/2017	06/21/17 13:26
Surrogate: Dibromofluoromethane	114 %	23 - 179	B7F0438	06/21/2017	06/21/17 13:26





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-10**

**Lab ID: 1702373-11**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	82.7 %	23 - 179		B7F0457	06/21/2017	06/22/17 14:54	
<i>Surrogate: Toluene-d8</i>	102 %	26 - 164		B7F0457	06/21/2017	06/22/17 14:54	
<i>Surrogate: Toluene-d8</i>	99.1 %	26 - 164		B7F0438	06/21/2017	06/21/17 13:26	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-15**

**Lab ID: 1702373-12**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1,1-Trichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1,2-Trichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1-Dichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,1-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2,3-Trichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2,3-Trichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2,4-Trichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2,4-Trimethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2-Dibromoethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2-Dichloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,2-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,3,5-Trimethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,3-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,3-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
1,4-Dichlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
2,2-Dichloropropane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
2-Chlorotoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
4-Chlorotoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
4-Isopropyltoluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Benzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Bromobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Bromochloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Bromodichloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Bromoform	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Bromomethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Carbon disulfide	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Carbon tetrachloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Chlorobenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Chloroethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Chloroform	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Chloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
cis-1,2-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP6-15**

**Lab ID: 1702373-12**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Di-isopropyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Dibromochloromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Dibromomethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Dichlorodifluoromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Ethyl Acetate	ND	44	1	B7F0438	06/21/2017	06/21/17 13:45	
Ethyl Ether	ND	44	1	B7F0438	06/21/2017	06/21/17 13:45	
Ethyl tert-butyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Ethylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Freon-113	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Hexachlorobutadiene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Isopropylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
m,p-Xylene	ND	8.8	1	B7F0438	06/21/2017	06/21/17 13:45	
Methylene chloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
MTBE	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
n-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
n-Propylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Naphthalene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
o-Xylene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
sec-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Styrene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
tert-Amyl methyl ether	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
tert-Butanol	ND	88	1	B7F0438	06/21/2017	06/21/17 13:45	
tert-Butylbenzene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Tetrachloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Toluene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
trans-1,2-Dichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
trans-1,3-Dichloropropene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Trichloroethene	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Trichlorofluoromethane	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	
Vinyl acetate	ND	44	1	B7F0438	06/21/2017	06/21/17 13:45	
Vinyl chloride	ND	4.4	1	B7F0438	06/21/2017	06/21/17 13:45	

Surrogate: 1,2-Dichloroethane-d4	107 %	12 - 186	B7F0438	06/21/2017	06/21/17 13:45
Surrogate: 4-Bromofluorobenzene	88.8 %	23 - 162	B7F0438	06/21/2017	06/21/17 13:45
Surrogate: Dibromofluoromethane	113 %	23 - 179	B7F0438	06/21/2017	06/21/17 13:45
Surrogate: Toluene-d8	102 %	26 - 164	B7F0438	06/21/2017	06/21/17 13:45



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-5**

**Lab ID: 1702373-13**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1,1-Trichloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1,2-Trichloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1-Dichloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1-Dichloroethene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,1-Dichloropropene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2,3-Trichloropropane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2,3-Trichlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2,4-Trichlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2,4-Trimethylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2-Dibromoethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2-Dichlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2-Dichloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,2-Dichloropropane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,3,5-Trimethylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,3-Dichlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,3-Dichloropropane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
1,4-Dichlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
2,2-Dichloropropane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
2-Chlorotoluene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
4-Chlorotoluene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
4-Isopropyltoluene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Benzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Bromobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Bromochloromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Bromodichloromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Bromoform	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Bromomethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Carbon disulfide	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Carbon tetrachloride	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Chlorobenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Chloroethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Chloroform	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Chloromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
cis-1,2-Dichloroethene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-5**

**Lab ID: 1702373-13**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Di-isopropyl ether	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Dibromochloromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Dibromomethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Dichlorodifluoromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Ethyl Acetate	ND	43	1	B7F0438	06/21/2017	06/21/17 14:04	
Ethyl Ether	ND	43	1	B7F0438	06/21/2017	06/21/17 14:04	
Ethyl tert-butyl ether	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Ethylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Freon-113	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Hexachlorobutadiene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Isopropylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
m,p-Xylene	ND	8.6	1	B7F0438	06/21/2017	06/21/17 14:04	
Methylene chloride	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
MTBE	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
n-Butylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
n-Propylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Naphthalene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
o-Xylene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
sec-Butylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Styrene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
tert-Amyl methyl ether	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
tert-Butanol	ND	86	1	B7F0438	06/21/2017	06/21/17 14:04	
tert-Butylbenzene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Tetrachloroethene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Toluene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
trans-1,2-Dichloroethene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
trans-1,3-Dichloropropene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Trichloroethene	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Trichlorofluoromethane	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	
Vinyl acetate	ND	43	1	B7F0438	06/21/2017	06/21/17 14:04	
Vinyl chloride	ND	4.3	1	B7F0438	06/21/2017	06/21/17 14:04	

Surrogate: 1,2-Dichloroethane-d4	108 %	12 - 186	B7F0438	06/21/2017	06/21/17 14:04
Surrogate: 4-Bromofluorobenzene	89.5 %	23 - 162	B7F0438	06/21/2017	06/21/17 14:04
Surrogate: Dibromofluoromethane	105 %	23 - 179	B7F0438	06/21/2017	06/21/17 14:04
Surrogate: Toluene-d8	101 %	26 - 164	B7F0438	06/21/2017	06/21/17 14:04





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-10**

**Lab ID: 1702373-14**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1,1-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1,2-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,1-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2,3-Trichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2,3-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2,4-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2,4-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2-Dibromo-3-chloropropane	ND	7.5	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2-Dibromoethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,3,5-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,3-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,3-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
1,4-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
2,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
2-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
4-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
4-Isopropyltoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Benzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Bromobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Bromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Bromodichloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Bromoform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Bromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Carbon disulfide	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Carbon tetrachloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Chlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Chloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Chloroform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Chloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
cis-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-10**

**Lab ID: 1702373-14**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Di-isopropyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Dibromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Dibromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Dichlorodifluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Ethyl Acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 14:23	
Ethyl Ether	ND	37	1	B7F0438	06/21/2017	06/21/17 14:23	
Ethyl tert-butyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Ethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Freon-113	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Hexachlorobutadiene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Isopropylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
m,p-Xylene	ND	7.5	1	B7F0438	06/21/2017	06/21/17 14:23	
Methylene chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
MTBE	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
n-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
n-Propylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Naphthalene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
o-Xylene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
sec-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Styrene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
tert-Amyl methyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
tert-Butanol	ND	75	1	B7F0438	06/21/2017	06/21/17 14:23	
tert-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Tetrachloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Toluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
trans-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
trans-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Trichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Trichlorofluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	
Vinyl acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 14:23	
Vinyl chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:23	

Surrogate: 1,2-Dichloroethane-d4	117 %	12 - 186	B7F0438	06/21/2017	06/21/17 14:23
Surrogate: 4-Bromofluorobenzene	96.9 %	23 - 162	B7F0438	06/21/2017	06/21/17 14:23
Surrogate: Dibromofluoromethane	116 %	23 - 179	B7F0438	06/21/2017	06/21/17 14:23
Surrogate: Toluene-d8	108 %	26 - 164	B7F0438	06/21/2017	06/21/17 14:23



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-15**

**Lab ID: 1702373-15**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1,1-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1,2-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,1-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2,3-Trichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2,3-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2,4-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2,4-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2-Dibromo-3-chloropropane	ND	7.5	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2-Dibromoethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,3,5-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,3-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,3-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
1,4-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
2,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
2-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
4-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
4-Isopropyltoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Benzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Bromobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Bromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Bromodichloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Bromoform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Bromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Carbon disulfide	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Carbon tetrachloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Chlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Chloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Chloroform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Chloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
cis-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP7-15**

**Lab ID: 1702373-15**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Di-isopropyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Dibromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Dibromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Dichlorodifluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Ethyl Acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 14:41	
Ethyl Ether	ND	37	1	B7F0438	06/21/2017	06/21/17 14:41	
Ethyl tert-butyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Ethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Freon-113	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Hexachlorobutadiene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Isopropylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
m,p-Xylene	ND	7.5	1	B7F0438	06/21/2017	06/21/17 14:41	
Methylene chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
MTBE	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
n-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
n-Propylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Naphthalene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
o-Xylene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
sec-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Styrene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
tert-Amyl methyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
tert-Butanol	ND	75	1	B7F0438	06/21/2017	06/21/17 14:41	
tert-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Tetrachloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Toluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
trans-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
trans-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Trichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Trichlorofluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	
Vinyl acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 14:41	
Vinyl chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 14:41	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>108 %</i>	<i>12 - 186</i>		B7F0438	06/21/2017	06/21/17 14:41
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>23 - 162</i>		B7F0438	06/21/2017	06/21/17 14:41
<i>Surrogate: Dibromofluoromethane</i>	<i>113 %</i>	<i>23 - 179</i>		B7F0438	06/21/2017	06/21/17 14:41
<i>Surrogate: Toluene-d8</i>	<i>106 %</i>	<i>26 - 164</i>		B7F0438	06/21/2017	06/21/17 14:41



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-5**

**Lab ID: 1702373-16**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1,1-Trichloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1,2-Trichloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1-Dichloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1-Dichloroethene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,1-Dichloropropene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2,3-Trichloropropane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2,3-Trichlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2,4-Trichlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2,4-Trimethylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2-Dibromoethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2-Dichlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2-Dichloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,2-Dichloropropane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,3,5-Trimethylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,3-Dichlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,3-Dichloropropane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
1,4-Dichlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
2,2-Dichloropropane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
2-Chlorotoluene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
4-Chlorotoluene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
4-Isopropyltoluene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Benzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Bromobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Bromochloromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Bromodichloromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Bromoform	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Bromomethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Carbon disulfide	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Carbon tetrachloride	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Chlorobenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Chloroethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Chloroform	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Chloromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
cis-1,2-Dichloroethene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-5**

**Lab ID: 1702373-16**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Di-isopropyl ether	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Dibromochloromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Dibromomethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Dichlorodifluoromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Ethyl Acetate	ND	42	1	B7F0438	06/21/2017	06/21/17 15:00	
Ethyl Ether	ND	42	1	B7F0438	06/21/2017	06/21/17 15:00	
Ethyl tert-butyl ether	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Ethylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Freon-113	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Hexachlorobutadiene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Isopropylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
m,p-Xylene	ND	8.4	1	B7F0438	06/21/2017	06/21/17 15:00	
Methylene chloride	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
MTBE	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
n-Butylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
n-Propylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Naphthalene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
o-Xylene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
sec-Butylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Styrene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
tert-Amyl methyl ether	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
tert-Butanol	ND	84	1	B7F0438	06/21/2017	06/21/17 15:00	
tert-Butylbenzene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Tetrachloroethene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Toluene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
trans-1,2-Dichloroethene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
trans-1,3-Dichloropropene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Trichloroethene	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Trichlorofluoromethane	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Vinyl acetate	ND	42	1	B7F0438	06/21/2017	06/21/17 15:00	
Vinyl chloride	ND	4.2	1	B7F0438	06/21/2017	06/21/17 15:00	
Surrogate: 1,2-Dichloroethane-d4	111 %	12 - 186		B7F0438	06/21/2017	06/21/17 15:00	
Surrogate: 4-Bromofluorobenzene	97.5 %	23 - 162		B7F0438	06/21/2017	06/21/17 15:00	
Surrogate: Dibromofluoromethane	115 %	23 - 179		B7F0438	06/21/2017	06/21/17 15:00	
Surrogate: Toluene-d8	104 %	26 - 164		B7F0438	06/21/2017	06/21/17 15:00	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-10**

**Lab ID: 1702373-17**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1,1-Trichloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1,2-Trichloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1-Dichloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1-Dichloroethene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,1-Dichloropropene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2,3-Trichloropropane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2,3-Trichlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2,4-Trichlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2,4-Trimethylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2-Dibromoethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2-Dichlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2-Dichloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,2-Dichloropropane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,3,5-Trimethylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,3-Dichlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,3-Dichloropropane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
1,4-Dichlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
2,2-Dichloropropane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
2-Chlorotoluene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
4-Chlorotoluene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
4-Isopropyltoluene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Benzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Bromobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Bromochloromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Bromodichloromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Bromoform	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Bromomethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Carbon disulfide	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Carbon tetrachloride	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Chlorobenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Chloroethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Chloroform	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Chloromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
cis-1,2-Dichloroethene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-10**

**Lab ID: 1702373-17**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Di-isopropyl ether	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Dibromochloromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Dibromomethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Dichlorodifluoromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Ethyl Acetate	ND	39	1	B7F0438	06/21/2017	06/21/17 15:19	
Ethyl Ether	ND	39	1	B7F0438	06/21/2017	06/21/17 15:19	
Ethyl tert-butyl ether	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Ethylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Freon-113	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Hexachlorobutadiene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Isopropylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
m,p-Xylene	ND	7.8	1	B7F0438	06/21/2017	06/21/17 15:19	
Methylene chloride	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
MTBE	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
n-Butylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
n-Propylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Naphthalene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
o-Xylene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
sec-Butylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Styrene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
tert-Amyl methyl ether	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
tert-Butanol	ND	78	1	B7F0438	06/21/2017	06/21/17 15:19	
tert-Butylbenzene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Tetrachloroethene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Toluene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
trans-1,2-Dichloroethene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
trans-1,3-Dichloropropene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Trichloroethene	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Trichlorofluoromethane	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	
Vinyl acetate	ND	39	1	B7F0438	06/21/2017	06/21/17 15:19	
Vinyl chloride	ND	3.9	1	B7F0438	06/21/2017	06/21/17 15:19	

Surrogate: 1,2-Dichloroethane-d4	113 %	12 - 186	B7F0438	06/21/2017	06/21/17 15:19
Surrogate: 4-Bromofluorobenzene	99.2 %	23 - 162	B7F0438	06/21/2017	06/21/17 15:19
Surrogate: Dibromofluoromethane	107 %	23 - 179	B7F0438	06/21/2017	06/21/17 15:19
Surrogate: Toluene-d8	109 %	26 - 164	B7F0438	06/21/2017	06/21/17 15:19



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-15**

**Lab ID: 1702373-18**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1,1-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1,2-Trichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,1-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2,3-Trichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2,3-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2,4-Trichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2,4-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2-Dibromo-3-chloropropane	ND	7.5	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2-Dibromoethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2-Dichloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,3,5-Trimethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,3-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,3-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
1,4-Dichlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
2,2-Dichloropropane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
2-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
4-Chlorotoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
4-Isopropyltoluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Benzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Bromobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Bromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Bromodichloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Bromoform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Bromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Carbon disulfide	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Carbon tetrachloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Chlorobenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Chloroethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Chloroform	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Chloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
cis-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP8-15**

**Lab ID: 1702373-18**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Di-isopropyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Dibromochloromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Dibromomethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Dichlorodifluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Ethyl Acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 15:37	
Ethyl Ether	ND	37	1	B7F0438	06/21/2017	06/21/17 15:37	
Ethyl tert-butyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Ethylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Freon-113	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Hexachlorobutadiene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Isopropylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
m,p-Xylene	ND	7.5	1	B7F0438	06/21/2017	06/21/17 15:37	
Methylene chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
MTBE	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
n-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
n-Propylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Naphthalene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
o-Xylene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
sec-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Styrene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
tert-Amyl methyl ether	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
tert-Butanol	ND	75	1	B7F0438	06/21/2017	06/21/17 15:37	
tert-Butylbenzene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Tetrachloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Toluene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
trans-1,2-Dichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
trans-1,3-Dichloropropene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Trichloroethene	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Trichlorofluoromethane	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	
Vinyl acetate	ND	37	1	B7F0438	06/21/2017	06/21/17 15:37	
Vinyl chloride	ND	3.7	1	B7F0438	06/21/2017	06/21/17 15:37	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>119 %</i>	<i>12 - 186</i>	B7F0438	06/21/2017	06/21/17 15:37
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.5 %</i>	<i>23 - 162</i>	B7F0438	06/21/2017	06/21/17 15:37
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>23 - 179</i>	B7F0438	06/21/2017	06/21/17 15:37
<i>Surrogate: Toluene-d8</i>	<i>108 %</i>	<i>26 - 164</i>	B7F0438	06/21/2017	06/21/17 15:37





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-5**

**Lab ID: 1702373-19**

**Volatile Organic Compounds by EPA 5035/EPA 8260B**

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1,1-Trichloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1,2,2-Tetrachloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1,2-Trichloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1-Dichloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1-Dichloroethene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,1-Dichloropropene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2,3-Trichloropropane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2,3-Trichlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2,4-Trichlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2,4-Trimethylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2-Dibromo-3-chloropropane	ND	11	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2-Dibromoethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2-Dichlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2-Dichloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,2-Dichloropropane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,3,5-Trimethylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,3-Dichlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,3-Dichloropropane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
1,4-Dichlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
2,2-Dichloropropane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
2-Chlorotoluene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
4-Chlorotoluene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
4-Isopropyltoluene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Benzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Bromobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Bromochloromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Bromodichloromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Bromoform	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Bromomethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Carbon disulfide	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Carbon tetrachloride	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Chlorobenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Chloroethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Chloroform	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Chloromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
cis-1,2-Dichloroethene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-5**

**Lab ID: 1702373-19**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Di-isopropyl ether	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Dibromochloromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Dibromomethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Dichlorodifluoromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Ethyl Acetate	ND	53	1	B7F0438	06/21/2017	06/21/17 15:56	
Ethyl Ether	ND	53	1	B7F0438	06/21/2017	06/21/17 15:56	
Ethyl tert-butyl ether	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Ethylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Freon-113	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Hexachlorobutadiene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Isopropylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
m,p-Xylene	ND	11	1	B7F0438	06/21/2017	06/21/17 15:56	
Methylene chloride	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
MTBE	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
n-Butylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
n-Propylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Naphthalene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
o-Xylene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
sec-Butylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Styrene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
tert-Amyl methyl ether	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
tert-Butanol	ND	110	1	B7F0438	06/21/2017	06/21/17 15:56	
tert-Butylbenzene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Tetrachloroethene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Toluene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
trans-1,2-Dichloroethene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
trans-1,3-Dichloropropene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Trichloroethene	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Trichlorofluoromethane	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	
Vinyl acetate	ND	53	1	B7F0438	06/21/2017	06/21/17 15:56	
Vinyl chloride	ND	5.3	1	B7F0438	06/21/2017	06/21/17 15:56	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>109 %</i>	<i>12 - 186</i>	B7F0438	06/21/2017	06/21/17 15:56
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.2 %</i>	<i>23 - 162</i>	B7F0438	06/21/2017	06/21/17 15:56
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>23 - 179</i>	B7F0438	06/21/2017	06/21/17 15:56
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>26 - 164</i>	B7F0438	06/21/2017	06/21/17 15:56



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-10**

**Lab ID: 1702373-20**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1,1-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1,2-Trichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,1-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2,3-Trichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2,3-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2,4-Trichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2,4-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2-Dibromo-3-chloropropane	ND	7.5	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2-Dibromoethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2-Dichloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,3,5-Trimethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,3-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,3-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
1,4-Dichlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
2,2-Dichloropropane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
2-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
4-Chlorotoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
4-Isopropyltoluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Benzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Bromobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Bromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Bromodichloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Bromoform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Bromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Carbon disulfide	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Carbon tetrachloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Chlorobenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Chloroethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Chloroform	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Chloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
cis-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-10**

**Lab ID: 1702373-20**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Di-isopropyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Dibromochloromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Dibromomethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Dichlorodifluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Ethyl Acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 16:15	
Ethyl Ether	ND	38	1	B7F0438	06/21/2017	06/21/17 16:15	
Ethyl tert-butyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Ethylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Freon-113	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Hexachlorobutadiene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Isopropylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
m,p-Xylene	ND	7.5	1	B7F0438	06/21/2017	06/21/17 16:15	
Methylene chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
MTBE	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
n-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
n-Propylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Naphthalene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
o-Xylene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
sec-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Styrene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
tert-Amyl methyl ether	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
tert-Butanol	ND	75	1	B7F0438	06/21/2017	06/21/17 16:15	
tert-Butylbenzene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Tetrachloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Toluene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
trans-1,2-Dichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
trans-1,3-Dichloropropene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Trichloroethene	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Trichlorofluoromethane	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	
Vinyl acetate	ND	38	1	B7F0438	06/21/2017	06/21/17 16:15	
Vinyl chloride	ND	3.8	1	B7F0438	06/21/2017	06/21/17 16:15	

Surrogate: 1,2-Dichloroethane-d4	108 %	12 - 186	B7F0438	06/21/2017	06/21/17 16:15
Surrogate: 4-Bromofluorobenzene	91.2 %	23 - 162	B7F0438	06/21/2017	06/21/17 16:15
Surrogate: Dibromofluoromethane	110 %	23 - 179	B7F0438	06/21/2017	06/21/17 16:15
Surrogate: Toluene-d8	107 %	26 - 164	B7F0438	06/21/2017	06/21/17 16:15



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-15**

**Lab ID: 1702373-21**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

**Analyst: AG**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1,1-Trichloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1,2,2-Tetrachloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1,2-Trichloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1-Dichloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1-Dichloroethene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,1-Dichloropropene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2,3-Trichloropropane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2,3-Trichlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2,4-Trichlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2,4-Trimethylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2-Dibromo-3-chloropropane	ND	6.5	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2-Dibromoethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2-Dichlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2-Dichloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,2-Dichloropropane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,3,5-Trimethylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,3-Dichlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,3-Dichloropropane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
1,4-Dichlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
2,2-Dichloropropane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
2-Chlorotoluene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
4-Chlorotoluene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
4-Isopropyltoluene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Benzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Bromobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Bromochloromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Bromodichloromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Bromoform	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Bromomethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Carbon disulfide	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Carbon tetrachloride	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Chlorobenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Chloroethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Chloroform	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Chloromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
cis-1,2-Dichloroethene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP9-15**

**Lab ID: 1702373-21**

### Volatile Organic Compounds by EPA 5035/EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Di-isopropyl ether	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Dibromochloromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Dibromomethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Dichlorodifluoromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Ethyl Acetate	ND	33	1	B7F0457	06/22/2017	06/22/17 14:17	
Ethyl Ether	ND	33	1	B7F0457	06/22/2017	06/22/17 14:17	
Ethyl tert-butyl ether	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Ethylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Freon-113	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Hexachlorobutadiene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Isopropylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
m,p-Xylene	ND	6.5	1	B7F0457	06/22/2017	06/22/17 14:17	
Methylene chloride	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
MTBE	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
n-Butylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
n-Propylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Naphthalene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
o-Xylene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
sec-Butylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Styrene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
tert-Amyl methyl ether	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
tert-Butanol	ND	65	1	B7F0457	06/22/2017	06/22/17 14:17	
tert-Butylbenzene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Tetrachloroethene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Toluene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
trans-1,2-Dichloroethene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
trans-1,3-Dichloropropene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Trichloroethene	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Trichlorofluoromethane	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
Vinyl acetate	ND	33	1	B7F0457	06/22/2017	06/22/17 14:17	
Vinyl chloride	ND	3.3	1	B7F0457	06/22/2017	06/22/17 14:17	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>84.6 %</i>	<i>12 - 186</i>		B7F0457	06/22/2017	06/22/17 14:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.5 %</i>	<i>23 - 162</i>		B7F0457	06/22/2017	06/22/17 14:17	
<i>Surrogate: Dibromofluoromethane</i>	<i>88.0 %</i>	<i>23 - 179</i>		B7F0457	06/22/2017	06/22/17 14:17	
<i>Surrogate: Toluene-d8</i>	<i>99.9 %</i>	<i>26 - 164</i>		B7F0457	06/22/2017	06/22/17 14:17	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### QUALITY CONTROL SECTION

#### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B7F0438 - MSVOA\_S

##### Blank (B7F0438-BLK1)

Prepared: 6/21/2017 Analyzed: 6/21/2017

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



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

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### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0438 - MSVOA\_S (continued)

##### Blank (B7F0438-BLK1) - Continued

Prepared: 6/21/2017 Analyzed: 6/21/2017

Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	0.99
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	40.61		50.0000	81.2	12 - 186
Surrogate: 4-Bromofluorobenzene	44.31		50.0000	88.6	23 - 162
Surrogate: Dibromofluoromethane	47.45		50.0000	94.9	23 - 179
Surrogate: Toluene-d8	50.32		50.0000	101	26 - 164

##### LCS (B7F0438-BS1)

Prepared: 6/21/2017 Analyzed: 6/21/2017

1,1,1,2-Tetrachloroethane	54.2200	5.0	0.63	50.0000	108	78 - 119
1,1,1-Trichloroethane	53.5300	5.0	0.63	50.0000	107	75 - 123
1,1,2,2-Tetrachloroethane	46.7800	5.0	0.92	50.0000	93.6	65 - 117
1,1,2-Trichloroethane	54.3200	5.0	1.4	50.0000	109	79 - 108
1,1-Dichloroethane	48.4700	5.0	1.5	50.0000	96.9	69 - 120

L4



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

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Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0438 - MSVOA\_S (continued)

#### LCS (B7F0438-BS1) - Continued

Prepared: 6/21/2017 Analyzed: 6/21/2017

1,1-Dichloroethene	45.3000	5.0	0.69	50.0000		90.6	59 - 126		
1,1-Dichloropropene	50.6600	5.0	2.4	50.0000		101	76 - 121		
1,2,3-Trichloropropane	44.4200	5.0	1.2	50.0000		88.8	66 - 118		
1,2,3-Trichlorobenzene	53.9100	5.0	1.1	50.0000		108	75 - 116		
1,2,4-Trichlorobenzene	54.7500	5.0	0.96	50.0000		110	79 - 121		
1,2,4-Trimethylbenzene	48.6300	5.0	0.53	50.0000		97.3	80 - 118		
1,2-Dibromo-3-chloropropane	47.3700	10	1.1	50.0000		94.7	65 - 122		
1,2-Dibromoethane	53.0400	5.0	0.80	50.0000		106	77 - 115		
1,2-Dichlorobenzene	52.4600	5.0	0.51	50.0000		105	81 - 115		
1,2-Dichloroethane	47.0500	5.0	0.53	50.0000		94.1	70 - 122		
1,2-Dichloropropane	46.9300	5.0	0.76	50.0000		93.9	77 - 110		
1,3,5-Trimethylbenzene	49.0900	5.0	0.58	50.0000		98.2	79 - 119		
1,3-Dichlorobenzene	52.6300	5.0	0.63	50.0000		105	81 - 116		
1,3-Dichloropropane	48.4700	5.0	0.59	50.0000		96.9	79 - 113		
1,4-Dichlorobenzene	51.7400	5.0	0.73	50.0000		103	80 - 117		
2,2-Dichloropropane	45.5800	5.0	0.68	50.0000		91.2	70 - 129		
2-Chlorotoluene	48.4100	5.0	0.68	50.0000		96.8	76 - 119		
4-Chlorotoluene	47.2300	5.0	0.62	50.0000		94.5	79 - 119		
4-Isopropyltoluene	49.9300	5.0	0.63	50.0000		99.9	80 - 122		
Benzene	99.8400	5.0	0.59	100.000		99.8	79 - 111		
Bromobenzene	51.7200	5.0	1.9	50.0000		103	77 - 114		
Bromochloromethane	56.8200	5.0	3.1	50.0000		114	69 - 117		
Bromodichloromethane	49.2900	5.0	1.0	50.0000		98.6	79 - 114		
Bromoform	57.3400	5.0	0.70	50.0000		115	72 - 122		
Bromomethane	54.0500	5.0	4.2	50.0000		108	47 - 176		
Carbon disulfide	50.8700	5.0	1.2	50.0000		102	50 - 133		
Carbon tetrachloride	55.4200	5.0	1.1	50.0000		111	68 - 143		
Chlorobenzene	51.1200	5.0	0.64	50.0000		102	81 - 113		
Chloroethane	54.5200	5.0	1.9	50.0000		109	47 - 148		
Chloroform	52.2900	5.0	1.4	50.0000		105	77 - 116		
Chloromethane	39.2400	5.0	1.9	50.0000		78.5	39 - 141		
cis-1,2-Dichloroethene	54.1800	5.0	0.87	50.0000		108	68 - 120		
cis-1,3-Dichloropropene	52.0500	5.0	0.79	50.0000		104	74 - 113		
Di-isopropyl ether	47.0100	5.0	0.51	50.0000		94.0	62 - 124		
Dibromochloromethane	52.6100	5.0	1.0	50.0000		105	78 - 114		
Dibromomethane	44.6400	5.0	0.99	50.0000		89.3	74 - 112		
Dichlorodifluoromethane	40.0200	5.0	2.2	50.0000		80.0	49 - 138		
Ethyl Acetate	512.980	50	9.7	500.000		103	63 - 131		
Ethyl Ether	424.810	50	7.3	500.000		85.0	56 - 123		
Ethyl tert-butyl ether	54.3500	5.0	1.4	50.0000		109	68 - 121		
Ethylbenzene	98.7900	5.0	0.65	100.000		98.8	82 - 112		
Freon-113	49.5200	5.0	1.0	50.0000		99.0	65 - 133		



## Certificate of Analysis

GSA Engineering

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Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0438 - MSVOA\_S (continued)

##### LCS (B7F0438-BS1) - Continued

Prepared: 6/21/2017 Analyzed: 6/21/2017

Hexachlorobutadiene	56.2000	5.0	0.78	50.0000		112	76 - 131		
Isopropylbenzene	49.0800	5.0	0.59	50.0000		98.2	77 - 122		
m,p-Xylene	96.4700	10	1.2	100.000		96.5	80 - 116		
Methylene chloride	53.4500	5.0	1.4	50.0000		107	67 - 144		
MTBE	49.0000	5.0	0.50	50.0000		98.0	62 - 120		
n-Butylbenzene	48.9000	5.0	0.75	50.0000		97.8	78 - 134		
n-Propylbenzene	48.2900	5.0	0.55	50.0000		96.6	77 - 125		
Naphthalene	50.9400	5.0	1.2	50.0000		102	66 - 125		
o-Xylene	96.7300	5.0	0.86	100.000		96.7	80 - 113		
sec-Butylbenzene	50.0100	5.0	0.79	50.0000		100	79 - 124		
Styrene	52.8900	5.0	0.82	50.0000		106	82 - 117		
tert-Amyl methyl ether	47.5900	5.0	1.5	50.0000		95.2	62 - 118		
tert-Butanol	237.710	100	5.9	250.000		95.1	35 - 127		
tert-Butylbenzene	49.2900	5.0	0.57	50.0000		98.6	78 - 121		
Tetrachloroethene	52.9100	5.0	0.65	50.0000		106	75 - 124		
Toluene	106.060	5.0	0.80	100.000		106	79 - 115		
trans-1,2-Dichloroethene	52.4400	5.0	1.5	50.0000		105	65 - 127		
trans-1,3-Dichloropropene	46.1800	5.0	0.63	50.0000		92.4	73 - 115		
Trichloroethene	52.3000	5.0	1.1	50.0000		105	77 - 119		
Trichlorofluoromethane	45.4900	5.0	0.89	50.0000		91.0	57 - 134		
Vinyl acetate	520.350	50	5.7	500.000		104	62 - 147		
Vinyl chloride	39.6700	5.0	2.0	50.0000		79.3	53 - 133		

Surrogate: 1,2-Dichloroethane-d4	43.46			50.0000		86.9	12 - 186		
Surrogate: 4-Bromofluorobenzene	45.61			50.0000		91.2	23 - 162		
Surrogate: Dibromofluoromethane	51.43			50.0000		103	23 - 179		
Surrogate: Toluene-d8	49.92			50.0000		99.8	26 - 164		

##### LCS Dup (B7F0438-BSD1)

Prepared: 6/21/2017 Analyzed: 6/21/2017

1,1,1,2-Tetrachloroethane	54.5100	5.0	0.63	50.0000		109	78 - 119	0.533	20
1,1,1-Trichloroethane	49.7000	5.0	0.63	50.0000		99.4	75 - 123	7.42	20
1,1,2,2-Tetrachloroethane	44.2900	5.0	0.92	50.0000		88.6	65 - 117	5.47	20
1,1,2-Trichloroethane	50.7900	5.0	1.4	50.0000		102	79 - 108	6.72	20
1,1-Dichloroethane	46.6100	5.0	1.5	50.0000		93.2	69 - 120	3.91	20
1,1-Dichloroethene	42.2800	5.0	0.69	50.0000		84.6	59 - 126	6.90	20
1,1-Dichloropropene	50.0400	5.0	2.4	50.0000		100	76 - 121	1.23	20
1,2,3-Trichloropropane	43.1800	5.0	1.2	50.0000		86.4	66 - 118	2.83	20
1,2,3-Trichlorobenzene	54.0700	5.0	1.1	50.0000		108	75 - 116	0.296	20
1,2,4-Trichlorobenzene	54.6000	5.0	0.96	50.0000		109	79 - 121	0.274	20
1,2,4-Trimethylbenzene	44.7000	5.0	0.53	50.0000		89.4	80 - 118	8.42	20
1,2-Dibromo-3-chloropropane	47.3700	10	1.1	50.0000		94.7	65 - 122	0.00	20
1,2-Dibromoethane	53.9800	5.0	0.80	50.0000		108	77 - 115	1.76	20





## Certificate of Analysis

GSA Engineering

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Pacific Palisades , CA 90272

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### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0438 - MSVOA\_S (continued)

#### LCS Dup (B7F0438-BSD1) - Continued

Prepared: 6/21/2017 Analyzed: 6/21/2017

1,2-Dichlorobenzene	50.4000	5.0	0.51	50.0000		101	81 - 115	4.01	20	
1,2-Dichloroethane	46.2800	5.0	0.53	50.0000		92.6	70 - 122	1.65	20	
1,2-Dichloropropane	47.3200	5.0	0.76	50.0000		94.6	77 - 110	0.828	20	
1,3,5-Trimethylbenzene	45.0100	5.0	0.58	50.0000		90.0	79 - 119	8.67	20	
1,3-Dichlorobenzene	50.0100	5.0	0.63	50.0000		100	81 - 116	5.11	20	
1,3-Dichloropropane	48.8300	5.0	0.59	50.0000		97.7	79 - 113	0.740	20	
1,4-Dichlorobenzene	49.1100	5.0	0.73	50.0000		98.2	80 - 117	5.22	20	
2,2-Dichloropropane	43.2800	5.0	0.68	50.0000		86.6	70 - 129	5.18	20	
2-Chlorotoluene	44.9100	5.0	0.68	50.0000		89.8	76 - 119	7.50	20	
4-Chlorotoluene	44.4500	5.0	0.62	50.0000		88.9	79 - 119	6.06	20	
4-Isopropyltoluene	46.5300	5.0	0.63	50.0000		93.1	80 - 122	7.05	20	
Benzene	96.4400	5.0	0.59	100.000		96.4	79 - 111	3.46	20	
Bromobenzene	48.6700	5.0	1.9	50.0000		97.3	77 - 114	6.08	20	
Bromochloromethane	53.9400	5.0	3.1	50.0000		108	69 - 117	5.20	20	
Bromodichloromethane	49.9300	5.0	1.0	50.0000		99.9	79 - 114	1.29	20	
Bromoform	56.9000	5.0	0.70	50.0000		114	72 - 122	0.770	20	
Bromomethane	45.3900	5.0	4.2	50.0000		90.8	47 - 176	17.4	20	
Carbon disulfide	45.1400	5.0	1.2	50.0000		90.3	50 - 133	11.9	20	
Carbon tetrachloride	52.9400	5.0	1.1	50.0000		106	68 - 143	4.58	20	
Chlorobenzene	50.1000	5.0	0.64	50.0000		100	81 - 113	2.02	20	
Chloroethane	38.4000	5.0	1.9	50.0000		76.8	47 - 148	34.7	20	R
Chloroform	50.8400	5.0	1.4	50.0000		102	77 - 116	2.81	20	
Chloromethane	36.5700	5.0	1.9	50.0000		73.1	39 - 141	7.04	20	
cis-1,2-Dichloroethene	54.0300	5.0	0.87	50.0000		108	68 - 120	0.277	20	
cis-1,3-Dichloropropene	50.4300	5.0	0.79	50.0000		101	74 - 113	3.16	20	
Di-isopropyl ether	45.1900	5.0	0.51	50.0000		90.4	62 - 124	3.95	20	
Dibromochloromethane	52.8800	5.0	1.0	50.0000		106	78 - 114	0.512	20	
Dibromomethane	51.6800	5.0	0.99	50.0000		103	74 - 112	14.6	20	
Dichlorodifluoromethane	36.5700	5.0	2.2	50.0000		73.1	49 - 138	9.01	20	
Ethyl Acetate	496.840	50	9.7	500.000		99.4	63 - 131	3.20	20	
Ethyl Ether	408.000	50	7.3	500.000		81.6	56 - 123	4.04	20	
Ethyl tert-butyl ether	53.1400	5.0	1.4	50.0000		106	68 - 121	2.25	20	
Ethylbenzene	95.8300	5.0	0.65	100.000		95.8	82 - 112	3.04	20	
Freon-113	47.7000	5.0	1.0	50.0000		95.4	65 - 133	3.74	20	
Hexachlorobutadiene	51.6800	5.0	0.78	50.0000		103	76 - 131	8.38	20	
Isopropylbenzene	46.2500	5.0	0.59	50.0000		92.5	77 - 122	5.94	20	
m,p-Xylene	94.5100	10	1.2	100.000		94.5	80 - 116	2.05	20	
Methylene chloride	49.1500	5.0	1.4	50.0000		98.3	67 - 144	8.38	20	
MTBE	49.2200	5.0	0.50	50.0000		98.4	62 - 120	0.448	20	
n-Butylbenzene	45.2700	5.0	0.75	50.0000		90.5	78 - 134	7.71	20	
n-Propylbenzene	45.3100	5.0	0.55	50.0000		90.6	77 - 125	6.37	20	
Naphthalene	51.1500	5.0	1.2	50.0000		102	66 - 125	0.411	20	



## Certificate of Analysis

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Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0438 - MSVOA\_S (continued)

#### LCS Dup (B7F0438-BSD1) - Continued

Prepared: 6/21/2017 Analyzed: 6/21/2017

o-Xylene	93.6000	5.0	0.86	100.000		93.6	80 - 113	3.29	20	
sec-Butylbenzene	46.6700	5.0	0.79	50.0000		93.3	79 - 124	6.91	20	
Styrene	51.3200	5.0	0.82	50.0000		103	82 - 117	3.01	20	
tert-Amyl methyl ether	47.8900	5.0	1.5	50.0000		95.8	62 - 118	0.628	20	
tert-Butanol	247.070	100	5.9	250.000		98.8	35 - 127	3.86	20	
tert-Butylbenzene	46.3000	5.0	0.57	50.0000		92.6	78 - 121	6.26	20	
Tetrachloroethene	50.9200	5.0	0.65	50.0000		102	75 - 124	3.83	20	
Toluene	103.500	5.0	0.80	100.000		104	79 - 115	2.44	20	
trans-1,2-Dichloroethene	50.2500	5.0	1.5	50.0000		100	65 - 127	4.27	20	
trans-1,3-Dichloropropene	47.3100	5.0	0.63	50.0000		94.6	73 - 115	2.42	20	
Trichloroethene	54.2300	5.0	1.1	50.0000		108	77 - 119	3.62	20	
Trichlorofluoromethane	49.3800	5.0	0.89	50.0000		98.8	57 - 134	8.20	20	
Vinyl acetate	486.780	50	5.7	500.000		97.4	62 - 147	6.67	20	
Vinyl chloride	36.5000	5.0	2.0	50.0000		73.0	53 - 133	8.32	20	
Surrogate: 1,2-Dichloroethane-d4	43.97			50.0000		87.9	12 - 186			
Surrogate: 4-Bromofluorobenzene	43.90			50.0000		87.8	23 - 162			
Surrogate: Dibromofluoromethane	51.94			50.0000		104	23 - 179			
Surrogate: Toluene-d8	48.88			50.0000		97.8	26 - 164			



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0457 - MSVOA\_S

##### Blank (B7F0457-BLK1)

Prepared: 6/22/2017 Analyzed: 6/22/2017

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



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0457 - MSVOA\_S (continued)

##### Blank (B7F0457-BLK1) - Continued

Prepared: 6/22/2017 Analyzed: 6/22/2017

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	40.54		50.0000	81.1	12 - 186
Surrogate: 4-Bromofluorobenzene	44.92		50.0000	89.8	23 - 162
Surrogate: Dibromofluoromethane	46.68		50.0000	93.4	23 - 179
Surrogate: Toluene-d8	50.20		50.0000	100	26 - 164

##### LCS (B7F0457-BS1)

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,1,1,2-Tetrachloroethane	53.4700	5.0	0.63	50.0000	107	78 - 119
1,1,1-Trichloroethane	57.3400	5.0	0.63	50.0000	115	75 - 123
1,1,2,2-Tetrachloroethane	45.4700	5.0	0.92	50.0000	90.9	65 - 117
1,1,2-Trichloroethane	54.3600	5.0	1.4	50.0000	109	79 - 108
1,1-Dichloroethane	52.2700	5.0	1.5	50.0000	105	69 - 120
1,1-Dichloroethene	47.8300	5.0	0.69	50.0000	95.7	59 - 126
1,1-Dichloropropene	52.1700	5.0	2.4	50.0000	104	76 - 121

L4



## Certificate of Analysis

GSA Engineering

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Pacific Palisades , CA 90272

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Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0457 - MSVOA\_S (continued)

#### LCS (B7F0457-BS1) - Continued

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,2,3-Trichloropropane	43.9400	5.0	1.2	50.0000		87.9	66 - 118		
1,2,3-Trichlorobenzene	50.4800	5.0	1.1	50.0000		101	75 - 116		
1,2,4-Trichlorobenzene	50.3500	5.0	0.96	50.0000		101	79 - 121		
1,2,4-Trimethylbenzene	48.0000	5.0	0.53	50.0000		96.0	80 - 118		
1,2-Dibromo-3-chloropropane	46.1500	10	1.1	50.0000		92.3	65 - 122		
1,2-Dibromoethane	52.5200	5.0	0.80	50.0000		105	77 - 115		
1,2-Dichlorobenzene	50.6200	5.0	0.51	50.0000		101	81 - 115		
1,2-Dichloroethane	50.6800	5.0	0.53	50.0000		101	70 - 122		
1,2-Dichloropropane	50.4400	5.0	0.76	50.0000		101	77 - 110		
1,3,5-Trimethylbenzene	48.6800	5.0	0.58	50.0000		97.4	79 - 119		
1,3-Dichlorobenzene	50.5400	5.0	0.63	50.0000		101	81 - 116		
1,3-Dichloropropane	47.2300	5.0	0.59	50.0000		94.5	79 - 113		
1,4-Dichlorobenzene	50.1100	5.0	0.73	50.0000		100	80 - 117		
2,2-Dichloropropane	48.6100	5.0	0.68	50.0000		97.2	70 - 129		
2-Chlorotoluene	47.9900	5.0	0.68	50.0000		96.0	76 - 119		
4-Chlorotoluene	48.0100	5.0	0.62	50.0000		96.0	79 - 119		
4-Isopropyltoluene	49.4900	5.0	0.63	50.0000		99.0	80 - 122		
Benzene	101.560	5.0	0.59	100.000		102	79 - 111		
Bromobenzene	48.0000	5.0	1.9	50.0000		96.0	77 - 114		
Bromochloromethane	54.3800	5.0	3.1	50.0000		109	69 - 117		
Bromodichloromethane	52.1800	5.0	1.0	50.0000		104	79 - 114		
Bromoform	51.9500	5.0	0.70	50.0000		104	72 - 122		
Bromomethane	76.3900	5.0	4.2	50.0000		153	47 - 176		
Carbon disulfide	50.9900	5.0	1.2	50.0000		102	50 - 133		
Carbon tetrachloride	56.2700	5.0	1.1	50.0000		113	68 - 143		
Chlorobenzene	49.6200	5.0	0.64	50.0000		99.2	81 - 113		
Chloroethane	44.9800	5.0	1.9	50.0000		90.0	47 - 148		
Chloroform	55.4700	5.0	1.4	50.0000		111	77 - 116		
Chloromethane	44.0800	5.0	1.9	50.0000		88.2	39 - 141		
cis-1,2-Dichloroethene	54.7800	5.0	0.87	50.0000		110	68 - 120		
cis-1,3-Dichloropropene	52.2300	5.0	0.79	50.0000		104	74 - 113		
Di-isopropyl ether	50.5600	5.0	0.51	50.0000		101	62 - 124		
Dibromochloromethane	50.5300	5.0	1.0	50.0000		101	78 - 114		
Dibromomethane	52.6200	5.0	0.99	50.0000		105	74 - 112		
Dichlorodifluoromethane	44.6000	5.0	2.2	50.0000		89.2	49 - 138		
Ethyl Acetate	537.300	50	9.7	500.000		107	63 - 131		
Ethyl Ether	462.410	50	7.3	500.000		92.5	56 - 123		
Ethyl tert-butyl ether	56.7400	5.0	1.4	50.0000		113	68 - 121		
Ethylbenzene	99.2100	5.0	0.65	100.000		99.2	82 - 112		
Freon-113	52.9900	5.0	1.0	50.0000		106	65 - 133		
Hexachlorobutadiene	53.0000	5.0	0.78	50.0000		106	76 - 131		
Isopropylbenzene	47.6900	5.0	0.59	50.0000		95.4	77 - 122		





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### Volatile Organic Compounds by EPA 5035/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 B7F0457 - MSVOA\_S (continued)

##### LCS (B7F0457-BS1) - Continued

Prepared: 6/22/2017 Analyzed: 6/22/2017

m,p-Xylene	97.9400	10	1.2	100.000		97.9	80 - 116		
Methylene chloride	54.6100	5.0	1.4	50.0000		109	67 - 144		
MTBE	49.7500	5.0	0.50	50.0000		99.5	62 - 120		
n-Butylbenzene	49.8000	5.0	0.75	50.0000		99.6	78 - 134		
n-Propylbenzene	49.2400	5.0	0.55	50.0000		98.5	77 - 125		
Naphthalene	47.2200	5.0	1.2	50.0000		94.4	66 - 125		
o-Xylene	99.0800	5.0	0.86	100.000		99.1	80 - 113		
sec-Butylbenzene	50.2700	5.0	0.79	50.0000		101	79 - 124		
Styrene	52.3500	5.0	0.82	50.0000		105	82 - 117		
tert-Amyl methyl ether	48.7300	5.0	1.5	50.0000		97.5	62 - 118		
tert-Butanol	128.160	100	5.9	250.000		51.3	35 - 127		
tert-Butylbenzene	49.1700	5.0	0.57	50.0000		98.3	78 - 121		
Tetrachloroethene	47.3800	5.0	0.65	50.0000		94.8	75 - 124		
Toluene	107.330	5.0	0.80	100.000		107	79 - 115		
trans-1,2-Dichloroethene	52.3600	5.0	1.5	50.0000		105	65 - 127		
trans-1,3-Dichloropropene	47.5200	5.0	0.63	50.0000		95.0	73 - 115		
Trichloroethene	51.2400	5.0	1.1	50.0000		102	77 - 119		
Trichlorofluoromethane	50.3100	5.0	0.89	50.0000		101	57 - 134		
Vinyl acetate	559.470	50	5.7	500.000		112	62 - 147		
Vinyl chloride	44.3900	5.0	2.0	50.0000		88.8	53 - 133		
Surrogate: 1,2-Dichloroethane-d4	51.25			50.0000		102	12 - 186		
Surrogate: 4-Bromofluorobenzene	45.82			50.0000		91.6	23 - 162		
Surrogate: Dibromofluoromethane	55.43			50.0000		111	23 - 179		
Surrogate: Toluene-d8	51.84			50.0000		104	26 - 164		

##### Duplicate (B7F0457-DUP1)

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,1,1,2-Tetrachloroethane	ND	5.0	0.63	ND			20
1,1,1-Trichloroethane	ND	5.0	0.63	ND			20
1,1,2,2-Tetrachloroethane	ND	5.0	0.92	ND			20
1,1,2-Trichloroethane	ND	5.0	1.4	ND			20
1,1-Dichloroethane	ND	5.0	1.5	ND			20
1,1-Dichloroethene	ND	5.0	0.69	ND			20
1,1-Dichloropropene	ND	5.0	2.4	ND			20
1,2,3-Trichloropropane	ND	5.0	1.2	ND			20
1,2,3-Trichlorobenzene	ND	5.0	1.1	ND			20
1,2,4-Trichlorobenzene	ND	5.0	0.96	ND			20
1,2,4-Trimethylbenzene	ND	5.0	0.53	ND			20
1,2-Dibromo-3-chloropropane	ND	10	1.1	ND			20
1,2-Dibromoethane	ND	5.0	0.80	ND			20
1,2-Dichlorobenzene	ND	5.0	0.51	ND			20
1,2-Dichloroethane	ND	5.0	0.53	ND			20



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Pacific Palisades , CA 90272

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### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B7F0457 - MSVOA\_S (continued)

##### Duplicate (B7F0457-DUP1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,2-Dichloropropane	ND	5.0	0.76		ND				20	
1,3,5-Trimethylbenzene	ND	5.0	0.58		ND				20	
1,3-Dichlorobenzene	ND	5.0	0.63		ND				20	
1,3-Dichloropropane	ND	5.0	0.59		ND				20	
1,4-Dichlorobenzene	ND	5.0	0.73		ND				20	
2,2-Dichloropropane	ND	5.0	0.68		ND				20	
2-Chlorotoluene	ND	5.0	0.68		ND				20	
4-Chlorotoluene	ND	5.0	0.62		ND				20	
4-Isopropyltoluene	ND	5.0	0.63		ND				20	
Benzene	ND	5.0	0.59		ND				20	
Bromobenzene	ND	5.0	1.9		ND				20	
Bromochloromethane	ND	5.0	3.1		ND				20	
Bromodichloromethane	ND	5.0	1.0		ND				20	
Bromoform	ND	5.0	0.70		ND				20	
Bromomethane	ND	5.0	4.2		ND				20	
Carbon disulfide	ND	5.0	1.2		ND				20	
Carbon tetrachloride	ND	5.0	1.1		ND				20	
Chlorobenzene	ND	5.0	0.64		ND				20	
Chloroethane	ND	5.0	1.9		ND				20	
Chloroform	ND	5.0	1.4		ND				20	
Chloromethane	ND	5.0	1.9		ND				20	
cis-1,2-Dichloroethene	ND	5.0	0.87		ND				20	
cis-1,3-Dichloropropene	ND	5.0	0.79		ND				20	
Di-isopropyl ether	ND	5.0	0.51		ND				20	
Dibromochloromethane	ND	5.0	1.0		ND				20	
Dibromomethane	ND	5.0	0.99		ND				20	
Dichlorodifluoromethane	ND	5.0	2.2		ND				20	
Ethyl Acetate	ND	50	9.7		ND				20	
Ethyl Ether	ND	50	7.3		ND				20	
Ethyl tert-butyl ether	ND	5.0	1.4		ND				20	
Ethylbenzene	ND	5.0	0.65		ND				20	
Freon-113	ND	5.0	1.0		ND				20	
Hexachlorobutadiene	ND	5.0	0.78		ND				20	
Isopropylbenzene	ND	5.0	0.59		ND				20	
m,p-Xylene	ND	10	1.2		ND				20	
Methylene chloride	ND	5.0	1.4		ND				20	
MTBE	ND	5.0	0.50		ND				20	
n-Butylbenzene	ND	5.0	0.75		ND				20	
n-Propylbenzene	ND	5.0	0.55		ND				20	
Naphthalene	ND	5.0	1.2		ND				20	
o-Xylene	ND	5.0	0.86		ND				20	
sec-Butylbenzene	ND	5.0	0.79		ND				20	



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### Volatile Organic Compounds by EPA 5035/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 B7F0457 - MSVOA\_S (continued)

##### Duplicate (B7F0457-DUP1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

Styrene	ND	5.0	0.82		ND			20	
tert-Amyl methyl ether	ND	5.0	1.5		ND			20	
tert-Butanol	ND	100	5.9		ND			20	
tert-Butylbenzene	ND	5.0	0.57		ND			20	
Tetrachloroethene	1.84000	5.0	0.65		2.34000		23.9	20	R
Toluene	ND	5.0	0.80		ND			20	
trans-1,2-Dichloroethene	ND	5.0	1.5		ND			20	
trans-1,3-Dichloropropene	ND	5.0	0.63		ND			20	
Trichloroethene	ND	5.0	1.1		ND			20	
Trichlorofluoromethane	ND	5.0	0.89		ND			20	
Vinyl acetate	ND	50	5.7		ND			20	
Vinyl chloride	ND	5.0	2.0		ND			20	

Surrogate: 1,2-Dichloroethane-d4	43.19			50.0000		86.4	12 - 186		
Surrogate: 4-Bromofluorobenzene	46.38			50.0000		92.8	23 - 162		
Surrogate: Dibromofluoromethane	48.42			50.0000		96.8	23 - 179		
Surrogate: Toluene-d8	50.99			50.0000		102	26 - 164		

##### Matrix Spike (B7F0457-MS1)

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,1,1,2-Tetrachloroethane	41.0400	5.0	0.63	50.0000	ND	82.1	45 - 124		
1,1,1-Trichloroethane	47.5500	5.0	0.63	50.0000	ND	95.1	53 - 125		
1,1,2,2-Tetrachloroethane	36.9700	5.0	0.92	50.0000	ND	73.9	42 - 117		
1,1,2-Trichloroethane	40.4400	5.0	1.4	50.0000	ND	80.9	48 - 120		
1,1-Dichloroethane	41.5400	5.0	1.5	50.0000	ND	83.1	54 - 116		
1,1-Dichloroethene	41.5800	5.0	0.69	50.0000	ND	83.2	47 - 123		
1,1-Dichloropropene	43.0200	5.0	2.4	50.0000	ND	86.0	48 - 126		
1,2,3-Trichloropropane	36.0600	5.0	1.2	50.0000	ND	72.1	46 - 118		
1,2,3-Trichlorobenzene	24.9300	5.0	1.1	50.0000	ND	49.9	1 - 132		
1,2,4-Trichlorobenzene	26.0700	5.0	0.96	50.0000	ND	52.1	2 - 138		
1,2,4-Trimethylbenzene	36.7400	5.0	0.53	50.0000	ND	73.5	32 - 129		
1,2-Dibromo-3-chloropropane	36.4800	10	1.1	50.0000	ND	73.0	34 - 130		
1,2-Dibromoethane	39.3100	5.0	0.80	50.0000	ND	78.6	45 - 125		
1,2-Dichlorobenzene	35.1500	5.0	0.51	50.0000	ND	70.3	25 - 130		
1,2-Dichloroethane	38.1200	5.0	0.53	50.0000	ND	76.2	51 - 119		
1,2-Dichloropropane	38.0400	5.0	0.76	50.0000	ND	76.1	54 - 113		
1,3,5-Trimethylbenzene	38.4000	5.0	0.58	50.0000	ND	76.8	34 - 128		
1,3-Dichlorobenzene	35.7800	5.0	0.63	50.0000	ND	71.6	26 - 130		
1,3-Dichloropropane	37.6600	5.0	0.59	50.0000	ND	75.3	53 - 117		
1,4-Dichlorobenzene	36.1900	5.0	0.73	50.0000	ND	72.4	26 - 130		
2,2-Dichloropropane	41.0800	5.0	0.68	50.0000	ND	82.2	52 - 128		
2-Chlorotoluene	37.6500	5.0	0.68	50.0000	ND	75.3	34 - 126		
4-Chlorotoluene	36.3100	5.0	0.62	50.0000	ND	72.6	32 - 128		



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0457 - MSVOA\_S (continued)

##### Matrix Spike (B7F0457-MS1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

4-Isopropyltoluene	36.9100	5.0	0.63	50.0000	ND	73.8	28 - 133		
Benzene	82.7700	5.0	0.59	100.000	ND	82.8	55 - 113		
Bromobenzene	37.2400	5.0	1.9	50.0000	ND	74.5	36 - 122		
Bromochloromethane	42.7600	5.0	3.1	50.0000	ND	85.5	50 - 118		
Bromodichloromethane	38.8500	5.0	1.0	50.0000	ND	77.7	51 - 117		
Bromoform	39.4300	5.0	0.70	50.0000	ND	78.9	39 - 130		
Bromomethane	50.0200	5.0	4.2	50.0000	ND	100	38 - 151		
Carbon disulfide	41.0800	5.0	1.2	50.0000	ND	82.2	38 - 126		
Carbon tetrachloride	49.5900	5.0	1.1	50.0000	ND	99.2	43 - 141		
Chlorobenzene	38.2500	5.0	0.64	50.0000	ND	76.5	42 - 122		
Chloroethane	45.4300	5.0	1.9	50.0000	ND	90.9	42 - 129		
Chloroform	43.9600	5.0	1.4	50.0000	ND	87.9	56 - 117		
Chloromethane	36.8100	5.0	1.9	50.0000	ND	73.6	35 - 127		
cis-1,2-Dichloroethene	44.8300	5.0	0.87	50.0000	ND	89.7	50 - 118		
cis-1,3-Dichloropropene	41.4800	5.0	0.79	50.0000	ND	83.0	45 - 118		
Di-isopropyl ether	39.3500	5.0	0.51	50.0000	ND	78.7	51 - 119		
Dibromochloromethane	39.2100	5.0	1.0	50.0000	ND	78.4	47 - 120		
Dibromomethane	39.9900	5.0	0.99	50.0000	ND	80.0	48 - 118		
Dichlorodifluoromethane	39.3900	5.0	2.2	50.0000	ND	78.8	43 - 126		
Ethyl Acetate	404.840	50	9.7	500.000	ND	81.0	22 - 145		
Ethyl Ether	373.820	50	7.3	500.000	ND	74.8	49 - 114		
Ethyl tert-butyl ether	44.3400	5.0	1.4	50.0000	ND	88.7	54 - 120		
Ethylbenzene	79.6000	5.0	0.65	100.000	ND	79.6	42 - 123		
Freon-113	47.2400	5.0	1.0	50.0000	ND	94.5	45 - 132		
Hexachlorobutadiene	28.2700	5.0	0.78	50.0000	ND	56.5	4 - 135		
Isopropylbenzene	40.1200	5.0	0.59	50.0000	ND	80.2	40 - 127		
m,p-Xylene	76.7500	10	1.2	100.000	ND	76.8	39 - 127		
Methylene chloride	40.9100	5.0	1.4	50.0000	ND	81.8	51 - 140		
MTBE	38.7100	5.0	0.50	50.0000	ND	77.4	52 - 120		
n-Butylbenzene	34.9000	5.0	0.75	50.0000	ND	69.8	19 - 141		
n-Propylbenzene	38.7700	5.0	0.55	50.0000	ND	77.5	34 - 131		
Naphthalene	26.5300	5.0	1.2	50.0000	ND	53.1	11 - 136		
o-Xylene	76.9900	5.0	0.86	100.000	ND	77.0	40 - 124		
sec-Butylbenzene	38.0300	5.0	0.79	50.0000	ND	76.1	29 - 132		
Styrene	39.1300	5.0	0.82	50.0000	ND	78.3	36 - 130		
tert-Amyl methyl ether	37.5200	5.0	1.5	50.0000	ND	75.0	49 - 119		
tert-Butanol	165.510	100	5.9	250.000	ND	66.2	29 - 138		
tert-Butylbenzene	38.7900	5.0	0.57	50.0000	ND	77.6	34 - 129		
Tetrachloroethene	42.4000	5.0	0.65	50.0000	2.34000	80.1	37 - 132		
Toluene	88.3400	5.0	0.80	100.000	ND	88.3	48 - 122		
trans-1,2-Dichloroethene	43.6600	5.0	1.5	50.0000	ND	87.3	51 - 123		
trans-1,3-Dichloropropene	34.9700	5.0	0.63	50.0000	ND	69.9	38 - 125		



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0457 - MSVOA\_S (continued)

##### Matrix Spike (B7F0457-MS1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

Trichloroethene	42.5100	5.0	1.1	50.0000	ND	85.0	41 - 136		
Trichlorofluoromethane	44.6700	5.0	0.89	50.0000	ND	89.3	44 - 126		
Vinyl acetate	354.480	50	5.7	500.000	ND	70.9	0 - 154		
Vinyl chloride	39.9100	5.0	2.0	50.0000	ND	79.8	47 - 122		
Surrogate: 1,2-Dichloroethane-d4	55.17			50.0000		110	12 - 186		
Surrogate: 4-Bromofluorobenzene	45.81			50.0000		91.6	23 - 162		
Surrogate: Dibromofluoromethane	52.08			50.0000		104	23 - 179		
Surrogate: Toluene-d8	49.95			50.0000		99.9	26 - 164		

##### Matrix Spike Dup (B7F0457-MSD1)

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

1,1,1,2-Tetrachloroethane	39.7600	5.0	0.63	50.0000	ND	79.5	45 - 124	3.17	20
1,1,1-Trichloroethane	44.0500	5.0	0.63	50.0000	ND	88.1	53 - 125	7.64	20
1,1,2,2-Tetrachloroethane	32.1500	5.0	0.92	50.0000	ND	64.3	42 - 117	13.9	20
1,1,2-Trichloroethane	40.2900	5.0	1.4	50.0000	ND	80.6	48 - 120	0.372	20
1,1-Dichloroethane	39.7300	5.0	1.5	50.0000	ND	79.5	54 - 116	4.45	20
1,1-Dichloroethene	39.5100	5.0	0.69	50.0000	ND	79.0	47 - 123	5.11	20
1,1-Dichloropropene	42.2400	5.0	2.4	50.0000	ND	84.5	48 - 126	1.83	20
1,2,3-Trichloropropane	32.4300	5.0	1.2	50.0000	ND	64.9	46 - 118	10.6	20
1,2,3-Trichlorobenzene	24.3400	5.0	1.1	50.0000	ND	48.7	1 - 132	2.39	20
1,2,4-Trichlorobenzene	25.8800	5.0	0.96	50.0000	ND	51.8	2 - 138	0.731	20
1,2,4-Trimethylbenzene	34.3400	5.0	0.53	50.0000	ND	68.7	32 - 129	6.75	20
1,2-Dibromo-3-chloropropane	30.8300	10	1.1	50.0000	ND	61.7	34 - 130	16.8	20
1,2-Dibromoethane	38.0700	5.0	0.80	50.0000	ND	76.1	45 - 125	3.20	20
1,2-Dichlorobenzene	33.6500	5.0	0.51	50.0000	ND	67.3	25 - 130	4.36	20
1,2-Dichloroethane	36.1700	5.0	0.53	50.0000	ND	72.3	51 - 119	5.25	20
1,2-Dichloropropane	38.0500	5.0	0.76	50.0000	ND	76.1	54 - 113	0.0263	20
1,3,5-Trimethylbenzene	35.4500	5.0	0.58	50.0000	ND	70.9	34 - 128	7.99	20
1,3-Dichlorobenzene	33.8200	5.0	0.63	50.0000	ND	67.6	26 - 130	5.63	20
1,3-Dichloropropane	35.8400	5.0	0.59	50.0000	ND	71.7	53 - 117	4.95	20
1,4-Dichlorobenzene	33.4000	5.0	0.73	50.0000	ND	66.8	26 - 130	8.02	20
2,2-Dichloropropane	37.1600	5.0	0.68	50.0000	ND	74.3	52 - 128	10.0	20
2-Chlorotoluene	34.1500	5.0	0.68	50.0000	ND	68.3	34 - 126	9.75	20
4-Chlorotoluene	33.9000	5.0	0.62	50.0000	ND	67.8	32 - 128	6.87	20
4-Isopropyltoluene	35.4200	5.0	0.63	50.0000	ND	70.8	28 - 133	4.12	20
Benzene	79.0800	5.0	0.59	100.000	ND	79.1	55 - 113	4.56	20
Bromobenzene	34.4900	5.0	1.9	50.0000	ND	69.0	36 - 122	7.67	20
Bromochloromethane	41.3200	5.0	3.1	50.0000	ND	82.6	50 - 118	3.43	20
Bromodichloromethane	38.8400	5.0	1.0	50.0000	ND	77.7	51 - 117	0.0257	20
Bromoform	37.9100	5.0	0.70	50.0000	ND	75.8	39 - 130	3.93	20
Bromomethane	42.6600	5.0	4.2	50.0000	ND	85.3	38 - 151	15.9	20
Carbon disulfide	37.4500	5.0	1.2	50.0000	ND	74.9	38 - 126	9.24	20





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0457 - MSVOA\_S (continued)

##### Matrix Spike Dup (B7F0457-MSD1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

Carbon tetrachloride	46.3800	5.0	1.1	50.0000	ND	92.8	43 - 141	6.69	20	
Chlorobenzene	37.4200	5.0	0.64	50.0000	ND	74.8	42 - 122	2.19	20	
Chloroethane	39.0900	5.0	1.9	50.0000	ND	78.2	42 - 129	15.0	20	
Chloroform	39.7700	5.0	1.4	50.0000	ND	79.5	56 - 117	10.0	20	
Chloromethane	33.1600	5.0	1.9	50.0000	ND	66.3	35 - 127	10.4	20	
cis-1,2-Dichloroethene	42.9900	5.0	0.87	50.0000	ND	86.0	50 - 118	4.19	20	
cis-1,3-Dichloropropene	36.5200	5.0	0.79	50.0000	ND	73.0	45 - 118	12.7	20	
Di-isopropyl ether	38.0300	5.0	0.51	50.0000	ND	76.1	51 - 119	3.41	20	
Dibromochloromethane	37.8500	5.0	1.0	50.0000	ND	75.7	47 - 120	3.53	20	
Dibromomethane	39.1600	5.0	0.99	50.0000	ND	78.3	48 - 118	2.10	20	
Dichlorodifluoromethane	35.2200	5.0	2.2	50.0000	ND	70.4	43 - 126	11.2	20	
Ethyl Acetate	376.840	50	9.7	500.000	ND	75.4	22 - 145	7.16	20	
Ethyl Ether	348.940	50	7.3	500.000	ND	69.8	49 - 114	6.88	20	
Ethyl tert-butyl ether	41.5800	5.0	1.4	50.0000	ND	83.2	54 - 120	6.42	20	
Ethylbenzene	78.3800	5.0	0.65	100.000	ND	78.4	42 - 123	1.54	20	
Freon-113	43.5700	5.0	1.0	50.0000	ND	87.1	45 - 132	8.08	20	
Hexachlorobutadiene	29.8800	5.0	0.78	50.0000	ND	59.8	4 - 135	5.54	20	
Isopropylbenzene	36.6700	5.0	0.59	50.0000	ND	73.3	40 - 127	8.99	20	
m,p-Xylene	76.2100	10	1.2	100.000	ND	76.2	39 - 127	0.706	20	
Methylene chloride	39.3400	5.0	1.4	50.0000	ND	78.7	51 - 140	3.91	20	
MTBE	37.0600	5.0	0.50	50.0000	ND	74.1	52 - 120	4.36	20	
n-Butylbenzene	33.4000	5.0	0.75	50.0000	ND	66.8	19 - 141	4.39	20	
n-Propylbenzene	36.4200	5.0	0.55	50.0000	ND	72.8	34 - 131	6.25	20	
Naphthalene	25.2200	5.0	1.2	50.0000	ND	50.4	11 - 136	5.06	20	
o-Xylene	74.9700	5.0	0.86	100.000	ND	75.0	40 - 124	2.66	20	
sec-Butylbenzene	36.0300	5.0	0.79	50.0000	ND	72.1	29 - 132	5.40	20	
Styrene	38.0400	5.0	0.82	50.0000	ND	76.1	36 - 130	2.82	20	
tert-Amyl methyl ether	35.2700	5.0	1.5	50.0000	ND	70.5	49 - 119	6.18	20	
tert-Butanol	196.160	100	5.9	250.000	ND	78.5	29 - 138	16.9	20	
tert-Butylbenzene	36.1200	5.0	0.57	50.0000	ND	72.2	34 - 129	7.13	20	
Tetrachloroethene	41.3600	5.0	0.65	50.0000	2.34000	78.0	37 - 132	2.48	20	
Toluene	85.8000	5.0	0.80	100.000	ND	85.8	48 - 122	2.92	20	
trans-1,2-Dichloroethene	41.3900	5.0	1.5	50.0000	ND	82.8	51 - 123	5.34	20	
trans-1,3-Dichloropropene	36.2600	5.0	0.63	50.0000	ND	72.5	38 - 125	3.62	20	
Trichloroethene	40.7500	5.0	1.1	50.0000	ND	81.5	41 - 136	4.23	20	
Trichlorofluoromethane	39.7000	5.0	0.89	50.0000	ND	79.4	44 - 126	11.8	20	
Vinyl acetate	282.660	50	5.7	500.000	ND	56.5	0 - 154	22.5	20	R
Vinyl chloride	35.6000	5.0	2.0	50.0000	ND	71.2	47 - 122	11.4	20	
Surrogate: 1,2-Dichloroethane-d4	50.14			50.0000		100	12 - 186			
Surrogate: 4-Bromofluorobenzene	45.43			50.0000		90.9	23 - 162			
Surrogate: Dibromofluoromethane	52.64			50.0000		105	23 - 179			



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0457 - MSVOA\_S (continued)

Matrix Spike Dup (B7F0457-MSD1) - Continued

Source: 1702384-01

Prepared: 6/22/2017 Analyzed: 6/22/2017

Surrogate: Toluene-d8

51.61

50.0000

103

26 - 164



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
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.



Company: <b>GSA ENGINEERING, INC.</b>		Address:		Tel: <b>310-567-5743</b>	
City:		State:		Fax:	
Zip:		City:		Zip:	
SEND REPORT TO:		Email:		SEND INVOICE TO:	
Attn: <b>DAN LOWE</b>		Attn: <b>MICHAEL ANSELMO</b>		Email: <b>joseph11c@gmail.com</b>	
Company: <b>GSA ENGINEERING</b>		Company: <b>LJA</b>			
Address: <b>16950 AVENIDA DE SANTA YNEZ</b>		Address: <b>P.O. BOX 4832</b>			
City: <b>PACIFIC PALISADES</b>		City: <b>OCEANSIDE</b>		State: <b>CA</b>	
State: <b>CA</b>		Zip: <b>90272</b>		Zip: <b>92052</b>	

Project Name:		Quote No:		Special Instructions/Comments:	
Project No.:		PO #:			
Sampler:					
Lab No.		Sample ID / Location		Sample Description	
ITEM	Lab No.	Sample ID / Location	Date	Time	
1	1702373 - 10	VP6-5	6/20/17	14:35	
2	-11	VP6-10		14:45	
3	-12	VP6-15		15:00	
4	-13	VP7-5		10:30	
5	-14	VP7-10		10:40	
6	-15	VP7-15		10:55	
7	-16	VP8-5		13:25	
8	-17	VP8-10		13:35	
9	-18	VP8-15		13:55	
10					

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.		Signature 		Date: 6/20/17		Time: 1:50	
Submitter: Print Name		Signature		Date:		Time:	
Received by: (Signature and Printed Name)		Received by: (Signature and Printed Name)		Date:		Time:	
Received by: (Signature and Printed Name)		Received by: (Signature and Printed Name)		Date:		Time:	

samples will be disposed of after 14 calendar days after receipt of samples.

7. Electronic records maintained for five (5) years from report date.

8. Hard copy reports will be disposed of after 45 calendar days from report date.

9. Storage and Report Fees:

- Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
- Liquid & solid samples: \$20/ sample/week if extended storage is requested.
- Complimentary storage for ten (10) calendar days from receipt of samples; \$500/month if extended storage or hold is requested.
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$500.00 per regenerated/reforma? ed report; \$35 per reproccessed EDD.

10. Rush TCP/STLC samples: add 2 days to analysis TAT for extraction on procedure.

11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.

2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.

3. The following receiving times and times are the SAME BUSINESS DAY if received by 9:00 AM

- TAT = 1: 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
- TAT = 2: 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
- TAT = 3: 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
- TAT = 4: 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
- TAT = 5: 10% Surcharge 5TH BUSINESS DAY (COB 5:00 PM)

4. Weekend, holiday, after-hours work - ask for quote.

5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab ---ask for quote.

6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air

Relinquished by: (Signature and Printed Name)	Date: 6/20/17	Time: 19:05	Received by: (Signature and Printed Name)
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)



# CHAIN OF CUSTODY RECORD

Page 3 of 3

Instruction: Complete all shaded areas.

Method of Transport		Sample Conditions Upon Receipt	
<input checked="" type="checkbox"/> Client	<input type="checkbox"/> ATL	Condition	Y N
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	1. CHILLED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> GSO	<input type="checkbox"/> GSO	2. HEADSPACE (VDA)	<input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	3. CONTAINER INTACT	<input type="checkbox"/> Y <input type="checkbox"/> N
		4. SEALED	<input type="checkbox"/> Y <input type="checkbox"/> N

Company: <b>GSA ENGINEERING</b>	Address:	City:	State:	Zip:	Tel:	Fax:
Attn: <b>DAN LOUKS</b>	Attn: <b>MICHAEL ANSELMO</b>	Attn: <b>LTA</b>	Attn: <b>P.O. Box 4832</b>	Attn: <b>OCEANSIDE</b>	Attn: <b>CA</b>	Attn: <b>92052</b>

SEND REPORT TO: Email: **Josephic@gmail.com**

SEND INVOICE TO: Email: **Josephic@gmail.com**

Project Name: **Former Crown Cleaned**

Project No.: **VP9-5**

Sampler: **DAN LOUKS**

Lab No. **1702373-19**

Sample ID / Location **VP9-5**

Date **6/20/17**

Time **15:30**

Special Instructions/Comments:

Quote No.:

PO #:

Encircle or Write Requested Analysis

Encircle Sample Matrix

Container

OA/QC

REMARKS

5-Zn (LAD); 6-NH<sub>4</sub>; 7-MA2503

Preservative: 1-HCl; 2-HNO<sub>3</sub>; 3-H<sub>2</sub>SO<sub>4</sub>; 4-AC

Material: 1-Glass; 2-Plastic; 3-Metal

5-Liter; 6-Tedlar; 7-Canister

Type: 1-Tube; 2-Vial; 3-Liter; 4-Pint;

SOIL / SEDIMENT / SLUDGE

WATER - DRINKING / GROUND

WATER - STORM / WASTE

AQUEOUS / LAYERED - OIL

TO-15

8015(GRO)

8015(DRO)

8270(Semi-volatiles)

8081(Organochlorine Pesticides)

8082(PCBs)

6010 / 7000(Total 22 Metals)

8260 / 624 (Volatiles)

8260 / 624 (Volatiles)

8260 / 624 (Volatiles)

8260 / 624 (Volatiles)

8260 / 624 (Volatiles)

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1. Samples reaching hours: 7:30 AM to 7:00 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.  
2. Samples Submitted AFTER 5:00 PM, are considered received the following Business day at 8:00 AM.  
3. The following turnaround time conditions apply:  
TAT = 1: 100% Surcharge SAME BUSINESS DAY (received by 9:00 AM)  
TAT = 2: 50% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)  
TAT = 3: 25% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)  
TAT = 4: 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)  
TAT = 5: NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)  
4. Weekend, holiday, after-hours work - ask for quote.  
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge.  
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples, air requested.  
7. Electronic records maintained for 1 year from receipt of samples.  
8. Hard copy records maintained for 1 year from receipt of samples.  
9. Storage and Report Fees:  
- Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.  
- Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/sample/week if extended storage is requested.  
- Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformat ed report; \$35 per reproprocessed EDD.  
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.  
11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name \_\_\_\_\_ Signature \_\_\_\_\_

Date: **6/20/17** Time: **18:05**

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature and Printed Name) **DAN R. LOUKS** Date: **6/20/17** Time: **18:05**

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



June 28, 2017

Dan Louks  
GSA Engineering  
16950 Avenida De Santa Ynez  
Pacific Palisades, CA 90272  
Tel: (310) 459-7320  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003  
TCEQ No. : T104704502

Re: ATL Work Order Number : 1702387  
Client Reference : Former Crown Cleaners

Enclosed are the results for sample(s) received on June 21, 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", is written over a light gray horizontal line.

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

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP4-5	1702387-01	Soil	6/21/17 7:55	6/21/17 14:15
VP4-10	1702387-02	Soil	6/21/17 8:10	6/21/17 14:15
VP4-15	1702387-03	Soil	6/21/17 8:30	6/21/17 14:15
VP5-5	1702387-04	Soil	6/21/17 12:00	6/21/17 14:15
VP5-10	1702387-05	Soil	6/21/17 12:10	6/21/17 14:15
VP5-15	1702387-06	Soil	6/21/17 12:25	6/21/17 14:15
VP10-5	1702387-07	Soil	6/21/17 9:05	6/21/17 14:15
VP10-10	1702387-08	Soil	6/21/17 9:20	6/21/17 14:15
VP10-15	1702387-09	Soil	6/21/17 9:35	6/21/17 14:15
VP11-5	1702387-10	Soil	6/21/17 11:00	6/21/17 14:15
VP11-10	1702387-11	Soil	6/21/17 11:10	6/21/17 14:15
VP11-15	1702387-12	Soil	6/21/17 11:25	6/21/17 14:15
VP12-5	1702387-13	Soil	6/21/17 9:55	6/21/17 14:15
VP12-10	1702387-14	Soil	6/21/17 10:05	6/21/17 14:15
VP12-15	1702387-15	Soil	6/21/17 10:15	6/21/17 14:15

### CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-5**

**Lab ID: 1702387-01**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 11:44	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-5**

**Lab ID: 1702387-01**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 11:44	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 11:44	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 11:44	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 11:44	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 11:44	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 11:44	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 11:44	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>74.8 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	<i>06/23/17 11:44</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.1 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	<i>06/23/17 11:44</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>90.2 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	<i>06/23/17 11:44</i>	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	<i>06/23/17 11:44</i>	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-10**

**Lab ID: 1702387-02**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:02	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-10**

**Lab ID: 1702387-02**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:02	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:02	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 12:02	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 12:02	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 12:02	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:02	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:02	

Surrogate: 1,2-Dichloroethane-d4	82.8 %	12 - 186	B7F0479	06/23/2017	06/23/17 12:02
Surrogate: 4-Bromofluorobenzene	92.2 %	23 - 162	B7F0479	06/23/2017	06/23/17 12:02
Surrogate: Dibromofluoromethane	92.6 %	23 - 179	B7F0479	06/23/2017	06/23/17 12:02
Surrogate: Toluene-d8	99.6 %	26 - 164	B7F0479	06/23/2017	06/23/17 12:02



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-15**

**Lab ID: 1702387-03**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:21	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP4-15**

**Lab ID: 1702387-03**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:21	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:21	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 12:21	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 12:21	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 12:21	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:21	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:21	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>81.1 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	06/23/17 12:21
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.7 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	06/23/17 12:21
<i>Surrogate: Dibromofluoromethane</i>	<i>94.0 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	06/23/17 12:21
<i>Surrogate: Toluene-d8</i>	<i>94.9 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	06/23/17 12:21



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-5**

**Lab ID: 1702387-04**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:40	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-5**

**Lab ID: 1702387-04**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:40	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:40	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 12:40	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 12:40	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 12:40	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:40	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:40	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>82.2 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	<i>06/23/17 12:40</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.3 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	<i>06/23/17 12:40</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>95.7 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	<i>06/23/17 12:40</i>	
<i>Surrogate: Toluene-d8</i>	<i>98.8 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	<i>06/23/17 12:40</i>	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-10**

**Lab ID: 1702387-05**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:58	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-10**

**Lab ID: 1702387-05**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 12:58	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:58	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 12:58	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 12:58	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 12:58	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 12:58	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 12:58	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>84.8 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	06/23/17 12:58
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.5 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	06/23/17 12:58
<i>Surrogate: Dibromofluoromethane</i>	<i>96.7 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	06/23/17 12:58
<i>Surrogate: Toluene-d8</i>	<i>98.0 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	06/23/17 12:58



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-15**

**Lab ID: 1702387-06**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:17	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP5-15**

**Lab ID: 1702387-06**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:17	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:17	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 13:17	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 13:17	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 13:17	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:17	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:17	

Surrogate: 1,2-Dichloroethane-d4	86.4 %	12 - 186	B7F0479	06/23/2017	06/23/17 13:17
Surrogate: 4-Bromofluorobenzene	93.4 %	23 - 162	B7F0479	06/23/2017	06/23/17 13:17
Surrogate: Dibromofluoromethane	97.5 %	23 - 179	B7F0479	06/23/2017	06/23/17 13:17
Surrogate: Toluene-d8	99.3 %	26 - 164	B7F0479	06/23/2017	06/23/17 13:17





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-5**

**Lab ID: 1702387-07**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:36	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-5**

**Lab ID: 1702387-07**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:36	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:36	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 13:36	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 13:36	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 13:36	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:36	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:36	

Surrogate: 1,2-Dichloroethane-d4	84.5 %	12 - 186	B7F0479	06/23/2017	06/23/17 13:36
Surrogate: 4-Bromofluorobenzene	93.3 %	23 - 162	B7F0479	06/23/2017	06/23/17 13:36
Surrogate: Dibromofluoromethane	93.5 %	23 - 179	B7F0479	06/23/2017	06/23/17 13:36
Surrogate: Toluene-d8	102 %	26 - 164	B7F0479	06/23/2017	06/23/17 13:36



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-10**

**Lab ID: 1702387-08**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:54	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-10**

**Lab ID: 1702387-08**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 13:54	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:54	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 13:54	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 13:54	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 13:54	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 13:54	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 13:54	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>85.6 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	06/23/17 13:54
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.7 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	06/23/17 13:54
<i>Surrogate: Dibromofluoromethane</i>	<i>95.9 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	06/23/17 13:54
<i>Surrogate: Toluene-d8</i>	<i>99.1 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	06/23/17 13:54



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-15**

**Lab ID: 1702387-09**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 14:13	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP10-15**

**Lab ID: 1702387-09**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 14:13	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 14:13	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 14:13	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 14:13	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 14:13	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 14:13	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:13	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>85.3 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	<i>06/23/17 14:13</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.1 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	<i>06/23/17 14:13</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>101 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	<i>06/23/17 14:13</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.8 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	<i>06/23/17 14:13</i>	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-5**

**Lab ID: 1702387-10**

### Volatile Organic Compounds by EPA 5035/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	B7F0506	06/26/2017	06/26/17 17:55	
1,1,1-Trichloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,1,2-Trichloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,1-Dichloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,1-Dichloroethene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,1-Dichloropropene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2,3-Trichloropropane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2-Dibromoethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2-Dichlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2-Dichloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,2-Dichloropropane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,3-Dichlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,3-Dichloropropane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
1,4-Dichlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
2,2-Dichloropropane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
2-Chlorotoluene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
4-Chlorotoluene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
4-Isopropyltoluene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Benzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Bromobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Bromochloromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Bromodichloromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Bromoform	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Bromomethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Carbon disulfide	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Carbon tetrachloride	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Chlorobenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Chloroethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Chloroform	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Chloromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-5**

**Lab ID: 1702387-10**

### Volatile Organic Compounds by EPA 5035/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	B7F0506	06/26/2017	06/26/17 17:55	
Di-isopropyl ether	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Dibromochloromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Dibromomethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Dichlorodifluoromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Ethyl Acetate	ND	50	1	B7F0506	06/26/2017	06/26/17 17:55	
Ethyl Ether	ND	50	1	B7F0506	06/26/2017	06/26/17 17:55	
Ethyl tert-butyl ether	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Ethylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Freon-113	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Hexachlorobutadiene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Isopropylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
m,p-Xylene	ND	10	1	B7F0506	06/26/2017	06/26/17 17:55	
Methylene chloride	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
MTBE	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
n-Butylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
n-Propylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Naphthalene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
o-Xylene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
sec-Butylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Styrene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
tert-Amyl methyl ether	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
tert-Butanol	ND	100	1	B7F0506	06/26/2017	06/26/17 17:55	
tert-Butylbenzene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Tetrachloroethene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Toluene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Trichloroethene	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Trichlorofluoromethane	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Vinyl acetate	ND	50	1	B7F0506	06/26/2017	06/26/17 17:55	
Vinyl chloride	ND	5.0	1	B7F0506	06/26/2017	06/26/17 17:55	
Surrogate: 1,2-Dichloroethane-d4	118 %	12 - 186		B7F0506	06/26/2017	06/26/17 17:55	
Surrogate: 4-Bromofluorobenzene	91.0 %	23 - 162		B7F0506	06/26/2017	06/26/17 17:55	
Surrogate: Dibromofluoromethane	115 %	23 - 179		B7F0506	06/26/2017	06/26/17 17:55	
Surrogate: Toluene-d8	108 %	26 - 164		B7F0506	06/26/2017	06/26/17 17:55	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-10**

**Lab ID: 1702387-11**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 14:50	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-10**

**Lab ID: 1702387-11**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 14:50	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 14:50	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 14:50	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 14:50	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 14:50	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 14:50	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 14:50	

Surrogate: 1,2-Dichloroethane-d4	84.1 %	12 - 186	B7F0479	06/23/2017	06/23/17 14:50
Surrogate: 4-Bromofluorobenzene	89.8 %	23 - 162	B7F0479	06/23/2017	06/23/17 14:50
Surrogate: Dibromofluoromethane	102 %	23 - 179	B7F0479	06/23/2017	06/23/17 14:50
Surrogate: Toluene-d8	99.9 %	26 - 164	B7F0479	06/23/2017	06/23/17 14:50





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-15**

**Lab ID: 1702387-12**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:09	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP11-15**

**Lab ID: 1702387-12**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:09	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:09	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 15:09	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 15:09	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 15:09	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:09	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:09	
Surrogate: 1,2-Dichloroethane-d4	81.1 %	12 - 186		B7F0479	06/23/2017	06/23/17 15:09	
Surrogate: 4-Bromofluorobenzene	89.9 %	23 - 162		B7F0479	06/23/2017	06/23/17 15:09	
Surrogate: Dibromofluoromethane	93.4 %	23 - 179		B7F0479	06/23/2017	06/23/17 15:09	
Surrogate: Toluene-d8	99.5 %	26 - 164		B7F0479	06/23/2017	06/23/17 15:09	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-5**

**Lab ID: 1702387-13**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:27	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-5**

**Lab ID: 1702387-13**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:27	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:27	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 15:27	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 15:27	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 15:27	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:27	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:27	
Surrogate: 1,2-Dichloroethane-d4	84.2 %	12 - 186		B7F0479	06/23/2017	06/23/17 15:27	
Surrogate: 4-Bromofluorobenzene	91.7 %	23 - 162		B7F0479	06/23/2017	06/23/17 15:27	
Surrogate: Dibromofluoromethane	94.8 %	23 - 179		B7F0479	06/23/2017	06/23/17 15:27	
Surrogate: Toluene-d8	99.3 %	26 - 164		B7F0479	06/23/2017	06/23/17 15:27	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-10**

**Lab ID: 1702387-14**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:46	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-10**

**Lab ID: 1702387-14**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 15:46	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:46	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 15:46	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 15:46	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 15:46	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 15:46	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 15:46	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	12 - 186		B7F0479	06/23/2017	06/23/17 15:46	
Surrogate: 4-Bromofluorobenzene	90.5 %	23 - 162		B7F0479	06/23/2017	06/23/17 15:46	
Surrogate: Dibromofluoromethane	100 %	23 - 179		B7F0479	06/23/2017	06/23/17 15:46	
Surrogate: Toluene-d8	103 %	26 - 164		B7F0479	06/23/2017	06/23/17 15:46	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-15**

**Lab ID: 1702387-15**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 16:04	
1,1,1-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,1,2-Trichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,1-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,1-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,1-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2,3-Trichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2,3-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2,4-Trichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2,4-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2-Dibromo-3-chloropropane	ND	10	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2-Dibromoethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2-Dichloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,3,5-Trimethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,3-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,3-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
1,4-Dichlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
2,2-Dichloropropane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
2-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
4-Chlorotoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
4-Isopropyltoluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Benzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Bromobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Bromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Bromodichloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Bromoform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Bromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Carbon disulfide	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Carbon tetrachloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Chlorobenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Chloroethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Chloroform	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Chloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
cis-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

**Client Sample ID VP12-15**

**Lab ID: 1702387-15**

### Volatile Organic Compounds by EPA 5035/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	B7F0479	06/23/2017	06/23/17 16:04	
Di-isopropyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Dibromochloromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Dibromomethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Dichlorodifluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Ethyl Acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 16:04	
Ethyl Ether	ND	50	1	B7F0479	06/23/2017	06/23/17 16:04	
Ethyl tert-butyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Ethylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Freon-113	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Hexachlorobutadiene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Isopropylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
m,p-Xylene	ND	10	1	B7F0479	06/23/2017	06/23/17 16:04	
Methylene chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
MTBE	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
n-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
n-Propylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Naphthalene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
o-Xylene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
sec-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Styrene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
tert-Amyl methyl ether	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
tert-Butanol	ND	100	1	B7F0479	06/23/2017	06/23/17 16:04	
tert-Butylbenzene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Tetrachloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Toluene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
trans-1,2-Dichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
trans-1,3-Dichloropropene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Trichloroethene	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Trichlorofluoromethane	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
Vinyl acetate	ND	50	1	B7F0479	06/23/2017	06/23/17 16:04	
Vinyl chloride	ND	5.0	1	B7F0479	06/23/2017	06/23/17 16:04	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>91.4 %</i>	<i>12 - 186</i>		B7F0479	06/23/2017	<i>06/23/17 16:04</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.7 %</i>	<i>23 - 162</i>		B7F0479	06/23/2017	<i>06/23/17 16:04</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>97.1 %</i>	<i>23 - 179</i>		B7F0479	06/23/2017	<i>06/23/17 16:04</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.7 %</i>	<i>26 - 164</i>		B7F0479	06/23/2017	<i>06/23/17 16:04</i>	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### QUALITY CONTROL SECTION

#### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S

##### Blank (B7F0479-BLK1)

Prepared: 6/23/2017 Analyzed: 6/23/2017

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



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

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### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0479 - MSVOA\_S (continued)

##### Blank (B7F0479-BLK1) - Continued

Prepared: 6/23/2017 Analyzed: 6/23/2017

Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	0.99
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	31.57		50.0000	63.1	12 - 186
Surrogate: 4-Bromofluorobenzene	44.27		50.0000	88.5	23 - 162
Surrogate: Dibromofluoromethane	42.45		50.0000	84.9	23 - 179
Surrogate: Toluene-d8	50.49		50.0000	101	26 - 164

##### LCS (B7F0479-BS1)

Prepared: 6/23/2017 Analyzed: 6/23/2017

1,1,1,2-Tetrachloroethane	55.4400	5.0	0.63	50.0000	111	78 - 119
1,1,1-Trichloroethane	52.5200	5.0	0.63	50.0000	105	75 - 123
1,1,2,2-Tetrachloroethane	42.6600	5.0	0.92	50.0000	85.3	65 - 117
1,1,2-Trichloroethane	49.3700	5.0	1.4	50.0000	98.7	79 - 108
1,1-Dichloroethane	48.5900	5.0	1.5	50.0000	97.2	69 - 120





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S (continued)

#### LCS (B7F0479-BS1) - Continued

Prepared: 6/23/2017 Analyzed: 6/23/2017

1,1-Dichloroethene	46.9600	5.0	0.69	50.0000		93.9	59 - 126		
1,1-Dichloropropene	56.5000	5.0	2.4	50.0000		113	76 - 121		
1,2,3-Trichloropropane	39.6800	5.0	1.2	50.0000		79.4	66 - 118		
1,2,3-Trichlorobenzene	53.1900	5.0	1.1	50.0000		106	75 - 116		
1,2,4-Trichlorobenzene	54.9700	5.0	0.96	50.0000		110	79 - 121		
1,2,4-Trimethylbenzene	49.1700	5.0	0.53	50.0000		98.3	80 - 118		
1,2-Dibromo-3-chloropropane	42.8300	10	1.1	50.0000		85.7	65 - 122		
1,2-Dibromoethane	50.1000	5.0	0.80	50.0000		100	77 - 115		
1,2-Dichlorobenzene	53.3100	5.0	0.51	50.0000		107	81 - 115		
1,2-Dichloroethane	44.4400	5.0	0.53	50.0000		88.9	70 - 122		
1,2-Dichloropropane	48.2000	5.0	0.76	50.0000		96.4	77 - 110		
1,3,5-Trimethylbenzene	50.0100	5.0	0.58	50.0000		100	79 - 119		
1,3-Dichlorobenzene	54.4500	5.0	0.63	50.0000		109	81 - 116		
1,3-Dichloropropane	46.2000	5.0	0.59	50.0000		92.4	79 - 113		
1,4-Dichlorobenzene	53.2600	5.0	0.73	50.0000		107	80 - 117		
2,2-Dichloropropane	45.4400	5.0	0.68	50.0000		90.9	70 - 129		
2-Chlorotoluene	48.6800	5.0	0.68	50.0000		97.4	76 - 119		
4-Chlorotoluene	48.3200	5.0	0.62	50.0000		96.6	79 - 119		
4-Isopropyltoluene	51.4000	5.0	0.63	50.0000		103	80 - 122		
Benzene	104.710	5.0	0.59	100.000		105	79 - 111		
Bromobenzene	52.9300	5.0	1.9	50.0000		106	77 - 114		
Bromochloromethane	54.9500	5.0	3.1	50.0000		110	69 - 117		
Bromodichloromethane	49.5600	5.0	1.0	50.0000		99.1	79 - 114		
Bromoform	56.1900	5.0	0.70	50.0000		112	72 - 122		
Bromomethane	55.5300	5.0	4.2	50.0000		111	47 - 176		
Carbon disulfide	56.2700	5.0	1.2	50.0000		113	50 - 133		
Carbon tetrachloride	59.2800	5.0	1.1	50.0000		119	68 - 143		
Chlorobenzene	53.1600	5.0	0.64	50.0000		106	81 - 113		
Chloroethane	47.0100	5.0	1.9	50.0000		94.0	47 - 148		
Chloroform	50.5800	5.0	1.4	50.0000		101	77 - 116		
Chloromethane	46.5000	5.0	1.9	50.0000		93.0	39 - 141		
cis-1,2-Dichloroethene	56.5300	5.0	0.87	50.0000		113	68 - 120		
cis-1,3-Dichloropropene	49.7800	5.0	0.79	50.0000		99.6	74 - 113		
Di-isopropyl ether	43.1500	5.0	0.51	50.0000		86.3	62 - 124		
Dibromochloromethane	53.2400	5.0	1.0	50.0000		106	78 - 114		
Dibromomethane	51.3100	5.0	0.99	50.0000		103	74 - 112		
Dichlorodifluoromethane	49.4900	5.0	2.2	50.0000		99.0	49 - 138		
Ethyl Acetate	398.660	50	9.7	500.000		79.7	63 - 131		
Ethyl Ether	383.650	50	7.3	500.000		76.7	56 - 123		
Ethyl tert-butyl ether	49.7200	5.0	1.4	50.0000		99.4	68 - 121		
Ethylbenzene	101.750	5.0	0.65	100.000		102	82 - 112		
Freon-113	53.0300	5.0	1.0	50.0000		106	65 - 133		



## Certificate of Analysis

GSA Engineering

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Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S (continued)

##### LCS (B7F0479-BS1) - Continued

Prepared: 6/23/2017 Analyzed: 6/23/2017

Hexachlorobutadiene	59.6100	5.0	0.78	50.0000		119	76 - 131		
Isopropylbenzene	50.1500	5.0	0.59	50.0000		100	77 - 122		
m,p-Xylene	100.740	10	1.2	100.000		101	80 - 116		
Methylene chloride	47.6600	5.0	1.4	50.0000		95.3	67 - 144		
MTBE	44.3000	5.0	0.50	50.0000		88.6	62 - 120		
n-Butylbenzene	49.2500	5.0	0.75	50.0000		98.5	78 - 134		
n-Propylbenzene	49.0100	5.0	0.55	50.0000		98.0	77 - 125		
Naphthalene	46.0500	5.0	1.2	50.0000		92.1	66 - 125		
o-Xylene	98.8500	5.0	0.86	100.000		98.8	80 - 113		
sec-Butylbenzene	50.9000	5.0	0.79	50.0000		102	79 - 124		
Styrene	54.3700	5.0	0.82	50.0000		109	82 - 117		
tert-Amyl methyl ether	43.5100	5.0	1.5	50.0000		87.0	62 - 118		
tert-Butanol	197.260	100	5.9	250.000		78.9	35 - 127		
tert-Butylbenzene	50.7900	5.0	0.57	50.0000		102	78 - 121		
Tetrachloroethene	58.2400	5.0	0.65	50.0000		116	75 - 124		
Toluene	109.570	5.0	0.80	100.000		110	79 - 115		
trans-1,2-Dichloroethene	54.0900	5.0	1.5	50.0000		108	65 - 127		
trans-1,3-Dichloropropene	45.5100	5.0	0.63	50.0000		91.0	73 - 115		
Trichloroethene	58.2800	5.0	1.1	50.0000		117	77 - 119		
Trichlorofluoromethane	48.8800	5.0	0.89	50.0000		97.8	57 - 134		
Vinyl acetate	441.650	50	5.7	500.000		88.3	62 - 147		
Vinyl chloride	44.6600	5.0	2.0	50.0000		89.3	53 - 133		

Surrogate: 1,2-Dichloroethane-d4	42.65			50.0000		85.3	12 - 186
Surrogate: 4-Bromofluorobenzene	45.24			50.0000		90.5	23 - 162
Surrogate: Dibromofluoromethane	46.94			50.0000		93.9	23 - 179
Surrogate: Toluene-d8	47.54			50.0000		95.1	26 - 164

##### Matrix Spike (B7F0479-MS1)

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

1,1,1,2-Tetrachloroethane	41.9200	5.0	0.63	50.0000	ND	83.8	45 - 124
1,1,1-Trichloroethane	42.3700	5.0	0.63	50.0000	ND	84.7	53 - 125
1,1,2,2-Tetrachloroethane	23.1500	5.0	0.92	50.0000	ND	46.3	42 - 117
1,1,2-Trichloroethane	39.2700	5.0	1.4	50.0000	ND	78.5	48 - 120
1,1-Dichloroethane	37.5500	5.0	1.5	50.0000	ND	75.1	54 - 116
1,1-Dichloroethene	42.3600	5.0	0.69	50.0000	ND	84.7	47 - 123
1,1-Dichloropropene	46.5300	5.0	2.4	50.0000	ND	93.1	48 - 126
1,2,3-Trichloropropane	35.3900	5.0	1.2	50.0000	ND	70.8	46 - 118
1,2,3-Trichlorobenzene	24.5500	5.0	1.1	50.0000	ND	49.1	1 - 132
1,2,4-Trichlorobenzene	22.6400	5.0	0.96	50.0000	ND	45.3	2 - 138
1,2,4-Trimethylbenzene	32.3400	5.0	0.53	50.0000	ND	64.7	32 - 129
1,2-Dibromo-3-chloropropane	35.3300	10	1.1	50.0000	ND	70.7	34 - 130
1,2-Dibromoethane	40.0900	5.0	0.80	50.0000	ND	80.2	45 - 125



## Certificate of Analysis

GSA Engineering

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Pacific Palisades , CA 90272

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### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S (continued)

##### Matrix Spike (B7F0479-MS1) - Continued

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

1,2-Dichlorobenzene	34.5500	5.0	0.51	50.0000	ND	69.1	25 - 130		
1,2-Dichloroethane	34.6200	5.0	0.53	50.0000	ND	69.2	51 - 119		
1,2-Dichloropropane	35.9600	5.0	0.76	50.0000	ND	71.9	54 - 113		
1,3,5-Trimethylbenzene	31.7600	5.0	0.58	50.0000	ND	63.5	34 - 128		
1,3-Dichlorobenzene	35.6000	5.0	0.63	50.0000	ND	71.2	26 - 130		
1,3-Dichloropropane	37.3700	5.0	0.59	50.0000	ND	74.7	53 - 117		
1,4-Dichlorobenzene	35.2700	5.0	0.73	50.0000	ND	70.5	26 - 130		
2,2-Dichloropropane	35.7200	5.0	0.68	50.0000	ND	71.4	52 - 128		
2-Chlorotoluene	33.6500	5.0	0.68	50.0000	ND	67.3	34 - 126		
4-Chlorotoluene	33.3800	5.0	0.62	50.0000	ND	66.8	32 - 128		
4-Isopropyltoluene	29.5100	5.0	0.63	50.0000	ND	59.0	28 - 133		
Benzene	81.0900	5.0	0.59	100.000	ND	81.1	55 - 113		
Bromobenzene	39.0100	5.0	1.9	50.0000	ND	78.0	36 - 122		
Bromochloromethane	40.3200	5.0	3.1	50.0000	ND	80.6	50 - 118		
Bromodichloromethane	35.7900	5.0	1.0	50.0000	ND	71.6	51 - 117		
Bromoform	44.1500	5.0	0.70	50.0000	ND	88.3	39 - 130		
Bromomethane	47.3100	5.0	4.2	50.0000	ND	94.6	38 - 151		
Carbon disulfide	41.0600	5.0	1.2	50.0000	ND	82.1	38 - 126		
Carbon tetrachloride	47.5000	5.0	1.1	50.0000	ND	95.0	43 - 141		
Chlorobenzene	38.7800	5.0	0.64	50.0000	ND	77.6	42 - 122		
Chloroethane	43.4400	5.0	1.9	50.0000	ND	86.9	42 - 129		
Chloroform	39.0700	5.0	1.4	50.0000	ND	78.1	56 - 117		
Chloromethane	37.7900	5.0	1.9	50.0000	ND	75.6	35 - 127		
cis-1,2-Dichloroethene	41.5100	5.0	0.87	50.0000	ND	83.0	50 - 118		
cis-1,3-Dichloropropene	37.7800	5.0	0.79	50.0000	ND	75.6	45 - 118		
Di-isopropyl ether	33.2400	5.0	0.51	50.0000	ND	66.5	51 - 119		
Dibromochloromethane	41.6800	5.0	1.0	50.0000	ND	83.4	47 - 120		
Dibromomethane	39.1300	5.0	0.99	50.0000	ND	78.3	48 - 118		
Dichlorodifluoromethane	43.0600	5.0	2.2	50.0000	ND	86.1	43 - 126		
Ethyl Acetate	337.700	50	9.7	500.000	ND	67.5	22 - 145		
Ethyl Ether	322.530	50	7.3	500.000	ND	64.5	49 - 114		
Ethyl tert-butyl ether	37.3800	5.0	1.4	50.0000	ND	74.8	54 - 120		
Ethylbenzene	72.7100	5.0	0.65	100.000	ND	72.7	42 - 123		
Freon-113	42.3900	5.0	1.0	50.0000	ND	84.8	45 - 132		
Hexachlorobutadiene	15.9000	5.0	0.78	50.0000	ND	31.8	4 - 135		
Isopropylbenzene	34.8100	5.0	0.59	50.0000	ND	69.6	40 - 127		
m,p-Xylene	69.9300	10	1.2	100.000	ND	69.9	39 - 127		
Methylene chloride	35.4200	5.0	1.4	50.0000	ND	70.8	51 - 140		
MTBE	36.1600	5.0	0.50	50.0000	ND	72.3	52 - 120		
n-Butylbenzene	25.5300	5.0	0.75	50.0000	ND	51.1	19 - 141		
n-Propylbenzene	33.1600	5.0	0.55	50.0000	ND	66.3	34 - 131		
Naphthalene	28.8500	5.0	1.2	50.0000	ND	57.7	11 - 136		



## Certificate of Analysis

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Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S (continued)

##### Matrix Spike (B7F0479-MS1) - Continued

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

o-Xylene	68.9700	5.0	0.86	100.000	ND	69.0	40 - 124		
sec-Butylbenzene	29.6600	5.0	0.79	50.0000	ND	59.3	29 - 132		
Styrene	37.6700	5.0	0.82	50.0000	ND	75.3	36 - 130		
tert-Amyl methyl ether	33.4500	5.0	1.5	50.0000	ND	66.9	49 - 119		
tert-Butanol	209.950	100	5.9	250.000	ND	84.0	29 - 138		
tert-Butylbenzene	31.6000	5.0	0.57	50.0000	ND	63.2	34 - 129		
Tetrachloroethene	43.1700	5.0	0.65	50.0000	ND	86.3	37 - 132		
Toluene	84.1200	5.0	0.80	100.000	ND	84.1	48 - 122		
trans-1,2-Dichloroethene	42.8400	5.0	1.5	50.0000	ND	85.7	51 - 123		
trans-1,3-Dichloropropene	34.3900	5.0	0.63	50.0000	ND	68.8	38 - 125		
Trichloroethene	62.1600	5.0	1.1	50.0000	ND	124	41 - 136		
Trichlorofluoromethane	43.2000	5.0	0.89	50.0000	ND	86.4	44 - 126		
Vinyl acetate	25.6000	50	5.7	500.000	ND	5.12	0 - 154		
Vinyl chloride	39.7300	5.0	2.0	50.0000	ND	79.5	47 - 122		

Surrogate: 1,2-Dichloroethane-d4

42.28

50.0000

84.6

12 - 186

Surrogate: 4-Bromofluorobenzene

43.25

50.0000

86.5

23 - 162

Surrogate: Dibromofluoromethane

48.71

50.0000

97.4

23 - 179

Surrogate: Toluene-d8

49.55

50.0000

99.1

26 - 164

##### Matrix Spike Dup (B7F0479-MSD1)

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

1,1,1,2-Tetrachloroethane	43.2700	5.0	0.63	50.0000	ND	86.5	45 - 124	3.17	20	
1,1,1-Trichloroethane	42.1700	5.0	0.63	50.0000	ND	84.3	53 - 125	0.473	20	
1,1,2,2-Tetrachloroethane	2.72000	5.0	0.92	50.0000	ND	5.44	42 - 117	158	20	M2, R
1,1,2-Trichloroethane	43.2600	5.0	1.4	50.0000	ND	86.5	48 - 120	9.67	20	
1,1-Dichloroethane	37.5400	5.0	1.5	50.0000	ND	75.1	54 - 116	0.0266	20	
1,1-Dichloroethene	40.5100	5.0	0.69	50.0000	ND	81.0	47 - 123	4.46	20	
1,1-Dichloropropene	49.3100	5.0	2.4	50.0000	ND	98.6	48 - 126	5.80	20	
1,2,3-Trichloropropane	37.7500	5.0	1.2	50.0000	ND	75.5	46 - 118	6.45	20	
1,2,3-Trichlorobenzene	26.5700	5.0	1.1	50.0000	ND	53.1	1 - 132	7.90	20	
1,2,4-Trichlorobenzene	24.4800	5.0	0.96	50.0000	ND	49.0	2 - 138	7.81	20	
1,2,4-Trimethylbenzene	34.5400	5.0	0.53	50.0000	ND	69.1	32 - 129	6.58	20	
1,2-Dibromo-3-chloropropane	33.2300	10	1.1	50.0000	ND	66.5	34 - 130	6.13	20	
1,2-Dibromoethane	46.5800	5.0	0.80	50.0000	ND	93.2	45 - 125	15.0	20	
1,2-Dichlorobenzene	36.9900	5.0	0.51	50.0000	ND	74.0	25 - 130	6.82	20	
1,2-Dichloroethane	37.1200	5.0	0.53	50.0000	ND	74.2	51 - 119	6.97	20	
1,2-Dichloropropane	38.2200	5.0	0.76	50.0000	ND	76.4	54 - 113	6.09	20	
1,3,5-Trimethylbenzene	34.8200	5.0	0.58	50.0000	ND	69.6	34 - 128	9.19	20	
1,3-Dichlorobenzene	37.1200	5.0	0.63	50.0000	ND	74.2	26 - 130	4.18	20	
1,3-Dichloropropane	40.3900	5.0	0.59	50.0000	ND	80.8	53 - 117	7.77	20	
1,4-Dichlorobenzene	37.0700	5.0	0.73	50.0000	ND	74.1	26 - 130	4.98	20	
2,2-Dichloropropane	34.6100	5.0	0.68	50.0000	ND	69.2	52 - 128	3.16	20	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0479 - MSVOA\_S (continued)

##### Matrix Spike Dup (B7F0479-MSD1) - Continued

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

2-Chlorotoluene	34.8300	5.0	0.68	50.0000	ND	69.7	34 - 126	3.45	20	
4-Chlorotoluene	34.3800	5.0	0.62	50.0000	ND	68.8	32 - 128	2.95	20	
4-Isopropyltoluene	32.8900	5.0	0.63	50.0000	ND	65.8	28 - 133	10.8	20	
Benzene	86.1600	5.0	0.59	100.000	ND	86.2	55 - 113	6.06	20	
Bromobenzene	40.9800	5.0	1.9	50.0000	ND	82.0	36 - 122	4.93	20	
Bromochloromethane	43.3700	5.0	3.1	50.0000	ND	86.7	50 - 118	7.29	20	
Bromodichloromethane	39.9100	5.0	1.0	50.0000	ND	79.8	51 - 117	10.9	20	
Bromoform	47.7100	5.0	0.70	50.0000	ND	95.4	39 - 130	7.75	20	
Bromomethane	44.0700	5.0	4.2	50.0000	ND	88.1	38 - 151	7.09	20	
Carbon disulfide	39.8600	5.0	1.2	50.0000	ND	79.7	38 - 126	2.97	20	
Carbon tetrachloride	50.3700	5.0	1.1	50.0000	ND	101	43 - 141	5.86	20	
Chlorobenzene	41.0000	5.0	0.64	50.0000	ND	82.0	42 - 122	5.57	20	
Chloroethane	39.7100	5.0	1.9	50.0000	ND	79.4	42 - 129	8.97	20	
Chloroform	38.9800	5.0	1.4	50.0000	ND	78.0	56 - 117	0.231	20	
Chloromethane	36.6600	5.0	1.9	50.0000	ND	73.3	35 - 127	3.04	20	
cis-1,2-Dichloroethene	42.7700	5.0	0.87	50.0000	ND	85.5	50 - 118	2.99	20	
cis-1,3-Dichloropropene	39.5600	5.0	0.79	50.0000	ND	79.1	45 - 118	4.60	20	
Di-isopropyl ether	32.9200	5.0	0.51	50.0000	ND	65.8	51 - 119	0.967	20	
Dibromochloromethane	42.9700	5.0	1.0	50.0000	ND	85.9	47 - 120	3.05	20	
Dibromomethane	42.8800	5.0	0.99	50.0000	ND	85.8	48 - 118	9.15	20	
Dichlorodifluoromethane	43.9700	5.0	2.2	50.0000	ND	87.9	43 - 126	2.09	20	
Ethyl Acetate	229.330	50	9.7	500.000	ND	45.9	22 - 145	38.2	20	R
Ethyl Ether	321.830	50	7.3	500.000	ND	64.4	49 - 114	0.217	20	
Ethyl tert-butyl ether	37.9500	5.0	1.4	50.0000	ND	75.9	54 - 120	1.51	20	
Ethylbenzene	75.8800	5.0	0.65	100.000	ND	75.9	42 - 123	4.27	20	
Freon-113	43.0400	5.0	1.0	50.0000	ND	86.1	45 - 132	1.52	20	
Hexachlorobutadiene	19.4400	5.0	0.78	50.0000	ND	38.9	4 - 135	20.0	20	R
Isopropylbenzene	36.8300	5.0	0.59	50.0000	ND	73.7	40 - 127	5.64	20	
m,p-Xylene	73.3600	10	1.2	100.000	ND	73.4	39 - 127	4.79	20	
Methylene chloride	34.3400	5.0	1.4	50.0000	ND	68.7	51 - 140	3.10	20	
MTBE	36.5500	5.0	0.50	50.0000	ND	73.1	52 - 120	1.07	20	
n-Butylbenzene	29.3700	5.0	0.75	50.0000	ND	58.7	19 - 141	14.0	20	
n-Propylbenzene	35.2600	5.0	0.55	50.0000	ND	70.5	34 - 131	6.14	20	
Naphthalene	31.7500	5.0	1.2	50.0000	ND	63.5	11 - 136	9.57	20	
o-Xylene	72.2200	5.0	0.86	100.000	ND	72.2	40 - 124	4.60	20	
sec-Butylbenzene	33.1300	5.0	0.79	50.0000	ND	66.3	29 - 132	11.1	20	
Styrene	39.6900	5.0	0.82	50.0000	ND	79.4	36 - 130	5.22	20	
tert-Amyl methyl ether	33.6600	5.0	1.5	50.0000	ND	67.3	49 - 119	0.626	20	
tert-Butanol	236.690	100	5.9	250.000	ND	94.7	29 - 138	12.0	20	
tert-Butylbenzene	34.4400	5.0	0.57	50.0000	ND	68.9	34 - 129	8.60	20	
Tetrachloroethene	44.9200	5.0	0.65	50.0000	ND	89.8	37 - 132	3.97	20	
Toluene	88.6400	5.0	0.80	100.000	ND	88.6	48 - 122	5.23	20	





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

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Report To : Dan Louks

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### Volatile Organic Compounds by EPA 5035/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 B7F0479 - MSVOA\_S (continued)

##### Matrix Spike Dup (B7F0479-MSD1) - Continued

Source: 1702387-01

Prepared: 6/23/2017 Analyzed: 6/23/2017

trans-1,2-Dichloroethene	44.0000	5.0	1.5	50.0000	ND	88.0	51 - 123	2.67	20	
trans-1,3-Dichloropropene	36.3600	5.0	0.63	50.0000	ND	72.7	38 - 125	5.57	20	
Trichloroethene	87.2500	5.0	1.1	50.0000	ND	174	41 - 136	33.6	20	M1, R
Trichlorofluoromethane	40.4000	5.0	0.89	50.0000	ND	80.8	44 - 126	6.70	20	
Vinyl acetate	ND	50	5.7	500.000	ND	NR	0 - 154	NR	20	
Vinyl chloride	37.7100	5.0	2.0	50.0000	ND	75.4	47 - 122	5.22	20	
Surrogate: 1,2-Dichloroethane-d4	37.45			50.0000		74.9	12 - 186			
Surrogate: 4-Bromofluorobenzene	43.85			50.0000		87.7	23 - 162			
Surrogate: Dibromofluoromethan	44.65			50.0000		89.3	23 - 179			
Surrogate: Toluene-d8	50.48			50.0000		101	26 - 164			



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### Volatile Organic Compounds by EPA 5035/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 B7F0506 - MSVOA\_S

##### Blank (B7F0506-BLK1)

Prepared: 6/26/2017 Analyzed: 6/26/2017

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



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0506 - MSVOA\_S (continued)

##### Blank (B7F0506-BLK1) - Continued

Prepared: 6/26/2017 Analyzed: 6/26/2017

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	36.81		50.0000	73.6	12 - 186
Surrogate: 4-Bromofluorobenzene	43.41		50.0000	86.8	23 - 162
Surrogate: Dibromofluoromethane	43.66		50.0000	87.3	23 - 179
Surrogate: Toluene-d8	48.29		50.0000	96.6	26 - 164

##### LCS (B7F0506-BS1)

Prepared: 6/26/2017 Analyzed: 6/26/2017

1,1,1,2-Tetrachloroethane	56.0500	5.0	0.63	50.0000	112	78 - 119
1,1,1-Trichloroethane	57.8500	5.0	0.63	50.0000	116	75 - 123
1,1,2,2-Tetrachloroethane	43.7200	5.0	0.92	50.0000	87.4	65 - 117
1,1,2-Trichloroethane	52.4500	5.0	1.4	50.0000	105	79 - 108
1,1-Dichloroethane	49.6000	5.0	1.5	50.0000	99.2	69 - 120
1,1-Dichloroethene	55.1100	5.0	0.69	50.0000	110	59 - 126
1,1-Dichloropropene	60.3200	5.0	2.4	50.0000	121	76 - 121



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16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0506 - MSVOA\_S (continued)

#### LCS (B7F0506-BS1) - Continued

Prepared: 6/26/2017 Analyzed: 6/26/2017

1,2,3-Trichloropropane	42.6100	5.0	1.2	50.0000		85.2	66 - 118		
1,2,3-Trichlorobenzene	54.7200	5.0	1.1	50.0000		109	75 - 116		
1,2,4-Trichlorobenzene	57.3500	5.0	0.96	50.0000		115	79 - 121		
1,2,4-Trimethylbenzene	50.2900	5.0	0.53	50.0000		101	80 - 118		
1,2-Dibromo-3-chloropropane	43.0100	10	1.1	50.0000		86.0	65 - 122		
1,2-Dibromoethane	52.7800	5.0	0.80	50.0000		106	77 - 115		
1,2-Dichlorobenzene	53.1100	5.0	0.51	50.0000		106	81 - 115		
1,2-Dichloroethane	49.0300	5.0	0.53	50.0000		98.1	70 - 122		
1,2-Dichloropropane	48.9400	5.0	0.76	50.0000		97.9	77 - 110		
1,3,5-Trimethylbenzene	50.5600	5.0	0.58	50.0000		101	79 - 119		
1,3-Dichlorobenzene	54.5900	5.0	0.63	50.0000		109	81 - 116		
1,3-Dichloropropane	48.3800	5.0	0.59	50.0000		96.8	79 - 113		
1,4-Dichlorobenzene	54.1300	5.0	0.73	50.0000		108	80 - 117		
2,2-Dichloropropane	49.7400	5.0	0.68	50.0000		99.5	70 - 129		
2-Chlorotoluene	49.0000	5.0	0.68	50.0000		98.0	76 - 119		
4-Chlorotoluene	48.8000	5.0	0.62	50.0000		97.6	79 - 119		
4-Isopropyltoluene	53.1200	5.0	0.63	50.0000		106	80 - 122		
Benzene	107.890	5.0	0.59	100.000		108	79 - 111		
Bromobenzene	51.1700	5.0	1.9	50.0000		102	77 - 114		
Bromochloromethane	57.4800	5.0	3.1	50.0000		115	69 - 117		
Bromodichloromethane	52.3200	5.0	1.0	50.0000		105	79 - 114		
Bromoform	57.2200	5.0	0.70	50.0000		114	72 - 122		
Bromomethane	60.7900	5.0	4.2	50.0000		122	47 - 176		
Carbon disulfide	55.0400	5.0	1.2	50.0000		110	50 - 133		
Carbon tetrachloride	63.3400	5.0	1.1	50.0000		127	68 - 143		
Chlorobenzene	52.8500	5.0	0.64	50.0000		106	81 - 113		
Chloroethane	55.8400	5.0	1.9	50.0000		112	47 - 148		
Chloroform	53.4500	5.0	1.4	50.0000		107	77 - 116		
Chloromethane	50.3700	5.0	1.9	50.0000		101	39 - 141		
cis-1,2-Dichloroethene	57.2600	5.0	0.87	50.0000		115	68 - 120		
cis-1,3-Dichloropropene	51.7700	5.0	0.79	50.0000		104	74 - 113		
Di-isopropyl ether	44.7400	5.0	0.51	50.0000		89.5	62 - 124		
Dibromochloromethane	53.8300	5.0	1.0	50.0000		108	78 - 114		
Dibromomethane	50.6300	5.0	0.99	50.0000		101	74 - 112		
Dichlorodifluoromethane	57.8500	5.0	2.2	50.0000		116	49 - 138		
Ethyl Acetate	453.120	50	9.7	500.000		90.6	63 - 131		
Ethyl Ether	441.100	50	7.3	500.000		88.2	56 - 123		
Ethyl tert-butyl ether	52.6600	5.0	1.4	50.0000		105	68 - 121		
Ethylbenzene	105.920	5.0	0.65	100.000		106	82 - 112		
Freon-113	61.7500	5.0	1.0	50.0000		124	65 - 133		
Hexachlorobutadiene	61.5600	5.0	0.78	50.0000		123	76 - 131		
Isopropylbenzene	51.1800	5.0	0.59	50.0000		102	77 - 122		



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0506 - MSVOA\_S (continued)

##### LCS (B7F0506-BS1) - Continued

Prepared: 6/26/2017 Analyzed: 6/26/2017

m,p-Xylene	103.580	10	1.2	100.000		104	80 - 116		
Methylene chloride	49.9900	5.0	1.4	50.0000		100	67 - 144		
MTBE	47.6700	5.0	0.50	50.0000		95.3	62 - 120		
n-Butylbenzene	53.1400	5.0	0.75	50.0000		106	78 - 134		
n-Propylbenzene	51.2000	5.0	0.55	50.0000		102	77 - 125		
Naphthalene	49.2600	5.0	1.2	50.0000		98.5	66 - 125		
o-Xylene	100.810	5.0	0.86	100.000		101	80 - 113		
sec-Butylbenzene	53.3300	5.0	0.79	50.0000		107	79 - 124		
Styrene	53.6500	5.0	0.82	50.0000		107	82 - 117		
tert-Amyl methyl ether	45.8200	5.0	1.5	50.0000		91.6	62 - 118		
tert-Butanol	214.410	100	5.9	250.000		85.8	35 - 127		
tert-Butylbenzene	52.3200	5.0	0.57	50.0000		105	78 - 121		
Tetrachloroethene	59.4200	5.0	0.65	50.0000		119	75 - 124		
Toluene	113.800	5.0	0.80	100.000		114	79 - 115		
trans-1,2-Dichloroethene	56.8200	5.0	1.5	50.0000		114	65 - 127		
trans-1,3-Dichloropropene	47.9600	5.0	0.63	50.0000		95.9	73 - 115		
Trichloroethene	59.8500	5.0	1.1	50.0000		120	77 - 119		
Trichlorofluoromethane	56.5500	5.0	0.89	50.0000		113	57 - 134		L4
Vinyl acetate	484.640	50	5.7	500.000		96.9	62 - 147		
Vinyl chloride	50.1400	5.0	2.0	50.0000		100	53 - 133		
Surrogate: 1,2-Dichloroethane-d4	42.19			50.0000		84.4	12 - 186		
Surrogate: 4-Bromofluorobenzene	44.49			50.0000		89.0	23 - 162		
Surrogate: Dibromofluoromethane	49.25			50.0000		98.5	23 - 179		
Surrogate: Toluene-d8	49.22			50.0000		98.4	26 - 164		

##### Matrix Spike (B7F0506-MS1)

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

1,1,1,2-Tetrachloroethane	55.3000	5.0	0.63	50.0000	ND	111	45 - 124		
1,1,1-Trichloroethane	53.3700	5.0	0.63	50.0000	ND	107	53 - 125		
1,1,2,2-Tetrachloroethane	45.0300	5.0	0.92	50.0000	ND	90.1	42 - 117		
1,1,2-Trichloroethane	52.3200	5.0	1.4	50.0000	ND	105	48 - 120		
1,1-Dichloroethane	47.0300	5.0	1.5	50.0000	ND	94.1	54 - 116		
1,1-Dichloroethene	49.3900	5.0	0.69	50.0000	ND	98.8	47 - 123		
1,1-Dichloropropene	58.5100	5.0	2.4	50.0000	ND	117	48 - 126		
1,2,3-Trichloropropane	43.4100	5.0	1.2	50.0000	ND	86.8	46 - 118		
1,2,3-Trichlorobenzene	50.3400	5.0	1.1	50.0000	ND	101	1 - 132		
1,2,4-Trichlorobenzene	51.5200	5.0	0.96	50.0000	ND	103	2 - 138		
1,2,4-Trimethylbenzene	48.1300	5.0	0.53	50.0000	ND	96.3	32 - 129		
1,2-Dibromo-3-chloropropane	46.2300	10	1.1	50.0000	ND	92.5	34 - 130		
1,2-Dibromoethane	53.3800	5.0	0.80	50.0000	ND	107	45 - 125		
1,2-Dichlorobenzene	51.4900	5.0	0.51	50.0000	ND	103	25 - 130		
1,2-Dichloroethane	47.0200	5.0	0.53	50.0000	ND	94.0	51 - 119		





## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0506 - MSVOA\_S (continued)

##### Matrix Spike (B7F0506-MS1) - Continued

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

1,2-Dichloropropane	48.3600	5.0	0.76	50.0000	ND	96.7	54 - 113		
1,3,5-Trimethylbenzene	49.6100	5.0	0.58	50.0000	ND	99.2	34 - 128		
1,3-Dichlorobenzene	52.4000	5.0	0.63	50.0000	ND	105	26 - 130		
1,3-Dichloropropane	49.5000	5.0	0.59	50.0000	ND	99.0	53 - 117		
1,4-Dichlorobenzene	51.6600	5.0	0.73	50.0000	ND	103	26 - 130		
2,2-Dichloropropane	48.4900	5.0	0.68	50.0000	ND	97.0	52 - 128		
2-Chlorotoluene	47.5900	5.0	0.68	50.0000	ND	95.2	34 - 126		
4-Chlorotoluene	47.4900	5.0	0.62	50.0000	ND	95.0	32 - 128		
4-Isopropyltoluene	51.0000	5.0	0.63	50.0000	ND	102	28 - 133		
Benzene	104.120	5.0	0.59	100.000	ND	104	55 - 113		
Bromobenzene	51.5400	5.0	1.9	50.0000	ND	103	36 - 122		
Bromochloromethane	54.6400	5.0	3.1	50.0000	ND	109	50 - 118		
Bromodichloromethane	50.9900	5.0	1.0	50.0000	ND	102	51 - 117		
Bromoform	57.1600	5.0	0.70	50.0000	ND	114	39 - 130		
Bromomethane	54.5200	5.0	4.2	50.0000	ND	109	38 - 151		
Carbon disulfide	54.1000	5.0	1.2	50.0000	ND	108	38 - 126		
Carbon tetrachloride	61.0600	5.0	1.1	50.0000	ND	122	43 - 141		
Chlorobenzene	52.2000	5.0	0.64	50.0000	ND	104	42 - 122		
Chloroethane	46.6300	5.0	1.9	50.0000	ND	93.3	42 - 129		
Chloroform	50.6700	5.0	1.4	50.0000	ND	101	56 - 117		
Chloromethane	46.2100	5.0	1.9	50.0000	ND	92.4	35 - 127		
cis-1,2-Dichloroethene	51.4300	5.0	0.87	50.0000	ND	103	50 - 118		
cis-1,3-Dichloropropene	51.8300	5.0	0.79	50.0000	ND	104	45 - 118		
Di-isopropyl ether	43.2400	5.0	0.51	50.0000	ND	86.5	51 - 119		
Dibromochloromethane	53.2400	5.0	1.0	50.0000	ND	106	47 - 120		
Dibromomethane	52.7000	5.0	0.99	50.0000	ND	105	48 - 118		
Dichlorodifluoromethane	52.9800	5.0	2.2	50.0000	ND	106	43 - 126		
Ethyl Acetate	456.010	50	9.7	500.000	ND	91.2	22 - 145		
Ethyl Ether	401.830	50	7.3	500.000	ND	80.4	49 - 114		
Ethyl tert-butyl ether	50.9400	5.0	1.4	50.0000	ND	102	54 - 120		
Ethylbenzene	102.680	5.0	0.65	100.000	ND	103	42 - 123		
Freon-113	55.2100	5.0	1.0	50.0000	ND	110	45 - 132		
Hexachlorobutadiene	52.5600	5.0	0.78	50.0000	ND	105	4 - 135		
Isopropylbenzene	50.4200	5.0	0.59	50.0000	ND	101	40 - 127		
m,p-Xylene	100.450	10	1.2	100.000	ND	100	39 - 127		
Methylene chloride	46.9900	5.0	1.4	50.0000	ND	94.0	51 - 140		
MTBE	47.5900	5.0	0.50	50.0000	ND	95.2	52 - 120		
n-Butylbenzene	49.0200	5.0	0.75	50.0000	ND	98.0	19 - 141		
n-Propylbenzene	49.9500	5.0	0.55	50.0000	ND	99.9	34 - 131		
Naphthalene	47.9600	5.0	1.2	50.0000	ND	95.9	11 - 136		
o-Xylene	98.8600	5.0	0.86	100.000	ND	98.9	40 - 124		
sec-Butylbenzene	50.5900	5.0	0.79	50.0000	ND	101	29 - 132		



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0506 - MSVOA\_S (continued)

##### Matrix Spike (B7F0506-MS1) - Continued

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

Styrene	53.9100	5.0	0.82	50.0000	ND	108	36 - 130			
tert-Amyl methyl ether	46.2400	5.0	1.5	50.0000	ND	92.5	49 - 119			
tert-Butanol	214.230	100	5.9	250.000	ND	85.7	29 - 138			
tert-Butylbenzene	50.5700	5.0	0.57	50.0000	ND	101	34 - 129			
Tetrachloroethene	58.0900	5.0	0.65	50.0000	ND	116	37 - 132			
Toluene	109.800	5.0	0.80	100.000	ND	110	48 - 122			
trans-1,2-Dichloroethene	54.5100	5.0	1.5	50.0000	ND	109	51 - 123			
trans-1,3-Dichloropropene	47.2200	5.0	0.63	50.0000	ND	94.4	38 - 125			
Trichloroethene	57.1500	5.0	1.1	50.0000	ND	114	41 - 136			
Trichlorofluoromethane	51.5500	5.0	0.89	50.0000	ND	103	44 - 126			
Vinyl acetate	456.300	50	5.7	500.000	ND	91.3	0 - 154			
Vinyl chloride	45.8600	5.0	2.0	50.0000	ND	91.7	47 - 122			
Surrogate: 1,2-Dichloroethane-d4	40.73			50.0000		81.5	12 - 186			
Surrogate: 4-Bromofluorobenzene	44.96			50.0000		89.9	23 - 162			
Surrogate: Dibromofluoromethane	48.21			50.0000		96.4	23 - 179			
Surrogate: Toluene-d8	49.17			50.0000		98.3	26 - 164			

##### Matrix Spike Dup (B7F0506-MSD1)

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

1,1,1,2-Tetrachloroethane	51.5500	5.0	0.63	50.0000	ND	103	45 - 124	7.02	20	
1,1,1-Trichloroethane	48.8400	5.0	0.63	50.0000	ND	97.7	53 - 125	8.86	20	
1,1,2,2-Tetrachloroethane	44.4300	5.0	0.92	50.0000	ND	88.9	42 - 117	1.34	20	
1,1,2-Trichloroethane	51.5100	5.0	1.4	50.0000	ND	103	48 - 120	1.56	20	
1,1-Dichloroethane	43.5900	5.0	1.5	50.0000	ND	87.2	54 - 116	7.59	20	
1,1-Dichloroethene	43.8300	5.0	0.69	50.0000	ND	87.7	47 - 123	11.9	20	
1,1-Dichloropropene	53.3300	5.0	2.4	50.0000	ND	107	48 - 126	9.26	20	
1,2,3-Trichloropropane	42.7600	5.0	1.2	50.0000	ND	85.5	46 - 118	1.51	20	
1,2,3-Trichlorobenzene	49.7900	5.0	1.1	50.0000	ND	99.6	1 - 132	1.10	20	
1,2,4-Trichlorobenzene	50.3500	5.0	0.96	50.0000	ND	101	2 - 138	2.30	20	
1,2,4-Trimethylbenzene	42.6000	5.0	0.53	50.0000	ND	85.2	32 - 129	12.2	20	
1,2-Dibromo-3-chloropropane	45.3500	10	1.1	50.0000	ND	90.7	34 - 130	1.92	20	
1,2-Dibromoethane	53.5700	5.0	0.80	50.0000	ND	107	45 - 125	0.355	20	
1,2-Dichlorobenzene	47.9700	5.0	0.51	50.0000	ND	95.9	25 - 130	7.08	20	
1,2-Dichloroethane	45.1300	5.0	0.53	50.0000	ND	90.3	51 - 119	4.10	20	
1,2-Dichloropropane	44.0100	5.0	0.76	50.0000	ND	88.0	54 - 113	9.42	20	
1,3,5-Trimethylbenzene	43.6500	5.0	0.58	50.0000	ND	87.3	34 - 128	12.8	20	
1,3-Dichlorobenzene	47.4600	5.0	0.63	50.0000	ND	94.9	26 - 130	9.89	20	
1,3-Dichloropropane	46.0500	5.0	0.59	50.0000	ND	92.1	53 - 117	7.22	20	
1,4-Dichlorobenzene	47.2200	5.0	0.73	50.0000	ND	94.4	26 - 130	8.98	20	
2,2-Dichloropropane	43.1600	5.0	0.68	50.0000	ND	86.3	52 - 128	11.6	20	
2-Chlorotoluene	42.3500	5.0	0.68	50.0000	ND	84.7	34 - 126	11.7	20	
4-Chlorotoluene	42.2800	5.0	0.62	50.0000	ND	84.6	32 - 128	11.6	20	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B7F0506 - MSVOA\_S (continued)

##### Matrix Spike Dup (B7F0506-MSD1) - Continued

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

4-Isopropyltoluene	44.3900	5.0	0.63	50.0000	ND	88.8	28 - 133	13.9	20	
Benzene	94.9400	5.0	0.59	100.000	ND	94.9	55 - 113	9.22	20	
Bromobenzene	47.1200	5.0	1.9	50.0000	ND	94.2	36 - 122	8.96	20	
Bromochloromethane	51.3500	5.0	3.1	50.0000	ND	103	50 - 118	6.21	20	
Bromodichloromethane	47.2800	5.0	1.0	50.0000	ND	94.6	51 - 117	7.55	20	
Bromoform	56.9500	5.0	0.70	50.0000	ND	114	39 - 130	0.368	20	
Bromomethane	46.0200	5.0	4.2	50.0000	ND	92.0	38 - 151	16.9	20	
Carbon disulfide	47.3900	5.0	1.2	50.0000	ND	94.8	38 - 126	13.2	20	
Carbon tetrachloride	55.0200	5.0	1.1	50.0000	ND	110	43 - 141	10.4	20	
Chlorobenzene	47.1900	5.0	0.64	50.0000	ND	94.4	42 - 122	10.1	20	
Chloroethane	40.7500	5.0	1.9	50.0000	ND	81.5	42 - 129	13.5	20	
Chloroform	45.4700	5.0	1.4	50.0000	ND	90.9	56 - 117	10.8	20	
Chloromethane	41.3300	5.0	1.9	50.0000	ND	82.7	35 - 127	11.1	20	
cis-1,2-Dichloroethene	49.5600	5.0	0.87	50.0000	ND	99.1	50 - 118	3.70	20	
cis-1,3-Dichloropropene	49.8300	5.0	0.79	50.0000	ND	99.7	45 - 118	3.93	20	
Di-isopropyl ether	40.1300	5.0	0.51	50.0000	ND	80.3	51 - 119	7.46	20	
Dibromochloromethane	51.1800	5.0	1.0	50.0000	ND	102	47 - 120	3.95	20	
Dibromomethane	47.6400	5.0	0.99	50.0000	ND	95.3	48 - 118	10.1	20	
Dichlorodifluoromethane	47.5000	5.0	2.2	50.0000	ND	95.0	43 - 126	10.9	20	
Ethyl Acetate	449.800	50	9.7	500.000	ND	90.0	22 - 145	1.37	20	
Ethyl Ether	384.720	50	7.3	500.000	ND	76.9	49 - 114	4.35	20	
Ethyl tert-butyl ether	49.2700	5.0	1.4	50.0000	ND	98.5	54 - 120	3.33	20	
Ethylbenzene	91.2200	5.0	0.65	100.000	ND	91.2	42 - 123	11.8	20	
Freon-113	50.6400	5.0	1.0	50.0000	ND	101	45 - 132	8.63	20	
Hexachlorobutadiene	44.8400	5.0	0.78	50.0000	ND	89.7	4 - 135	15.9	20	
Isopropylbenzene	43.9800	5.0	0.59	50.0000	ND	88.0	40 - 127	13.6	20	
m,p-Xylene	88.7900	10	1.2	100.000	ND	88.8	39 - 127	12.3	20	
Methylene chloride	41.7600	5.0	1.4	50.0000	ND	83.5	51 - 140	11.8	20	
MTBE	46.0500	5.0	0.50	50.0000	ND	92.1	52 - 120	3.29	20	
n-Butylbenzene	42.1400	5.0	0.75	50.0000	ND	84.3	19 - 141	15.1	20	
n-Propylbenzene	43.5800	5.0	0.55	50.0000	ND	87.2	34 - 131	13.6	20	
Naphthalene	50.4100	5.0	1.2	50.0000	ND	101	11 - 136	4.98	20	
o-Xylene	88.4600	5.0	0.86	100.000	ND	88.5	40 - 124	11.1	20	
sec-Butylbenzene	44.5200	5.0	0.79	50.0000	ND	89.0	29 - 132	12.8	20	
Styrene	48.5400	5.0	0.82	50.0000	ND	97.1	36 - 130	10.5	20	
tert-Amyl methyl ether	44.2700	5.0	1.5	50.0000	ND	88.5	49 - 119	4.35	20	
tert-Butanol	224.830	100	5.9	250.000	ND	89.9	29 - 138	4.83	20	
tert-Butylbenzene	44.5900	5.0	0.57	50.0000	ND	89.2	34 - 129	12.6	20	
Tetrachloroethene	51.5600	5.0	0.65	50.0000	ND	103	37 - 132	11.9	20	
Toluene	101.170	5.0	0.80	100.000	ND	101	48 - 122	8.18	20	
trans-1,2-Dichloroethene	48.6600	5.0	1.5	50.0000	ND	97.3	51 - 123	11.3	20	
trans-1,3-Dichloropropene	44.6000	5.0	0.63	50.0000	ND	89.2	38 - 125	5.71	20	



## Certificate of Analysis

GSA Engineering

16950 Avenida De Santa Ynez

Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Volatile Organic Compounds by EPA 5035/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 B7F0506 - MSVOA\_S (continued)

##### Matrix Spike Dup (B7F0506-MSD1) - Continued

Source: 1702416-01

Prepared: 6/26/2017 Analyzed: 6/26/2017

Trichloroethene	53.6100	5.0	1.1	50.0000	ND	107	41 - 136	6.39	20	
Trichlorofluoromethane	47.0400	5.0	0.89	50.0000	ND	94.1	44 - 126	9.15	20	
Vinyl acetate	403.950	50	5.7	500.000	ND	80.8	0 - 154	12.2	20	
Vinyl chloride	41.7400	5.0	2.0	50.0000	ND	83.5	47 - 122	9.41	20	
Surrogate: 1,2-Dichloroethane-d4	40.07			50.0000		80.1	12 - 186			
Surrogate: 4-Bromofluorobenzene	44.61			50.0000		89.2	23 - 162			
Surrogate: Dibromofluoromethane	48.82			50.0000		97.6	23 - 179			
Surrogate: Toluene-d8	48.24			50.0000		96.5	26 - 164			



## Certificate of Analysis

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Pacific Palisades , CA 90272

Project Number : Former Crown Cleaners

Report To : Dan Louks

Reported : 06/28/2017

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
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 RECORD

Page 1 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCOG Ver: 20130715	
Method of Transport		Sample Conditions Upon Receipt	
<input checked="" type="checkbox"/> Client	<input type="checkbox"/> ATL	Condition	Y N
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	1. CHILLED	<input checked="" type="checkbox"/>
<input type="checkbox"/> GSO	<input type="checkbox"/> Other:	2. HEADSPACE (VOLUME)	<input type="checkbox"/>
<input type="checkbox"/>		3. CONTAINER INTACT	<input checked="" type="checkbox"/>
<input type="checkbox"/>		4. SEALED	<input checked="" type="checkbox"/>
		5. # OF SAMPLES MATCH COC	<input checked="" type="checkbox"/>
		6. PRESERVED	<input checked="" type="checkbox"/>
		7. COOLER TEMP. deg C:	3.5

Company: <b>GSA ENGINEERING, INC</b>		Address:		Tel:	
Attn: <b>DAN LOUKS</b>		City:		Fax:	
Email: <b>dan@gsaengineering.net</b>		State:		Zip:	
Company: <b>GSA ENGINEERING, INC</b>		Attn: <b>MICHAEL ANSELMO</b>		Email: <b>joseph11c@gmail.com</b>	
Address: <b>16950 AVENIDA DE SANTA YNEB</b>		Company: <b>L JOSEPH &amp; ASS</b>		Address: <b>P.O. BOX 4832</b>	
City: <b>PACIFIC PALISADES</b>		State: <b>CA</b>		City: <b>OCEANSIDE, CA</b>	
Zip: <b>90272</b>		State: <b>CA</b>		Zip: <b>92052</b>	

Project Name: <b>FORMER CROWN CIGARETTE</b>		Quote No:		Special Instructions/Comments:	
Project No.:		PO #:			
Sampler: <b>DAN LOUKS</b>					
ITEM	Lab No.	Sample ID / Location	Sample Description	Date	Time
1	1702387-1	V14-5		6/21/17	7:55
2	-2	V14-10		8:10	
3	-3	V14-15		8:30	
4	-4	V15-5		12:00	
5	-5	V15-10		12:10	
6	-6	V15-15		12:25	
7	-7	V10-5		9:05	
8	-8	V10-10		9:20	
9	-9	V10-15		9:35	
10					

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.	
Signature	
Submitter Print Name	
Date: 6/21/17	Time: 14:15
Date:	Time:
Date:	Time:

Relinquished by: <b>DAN R. LOUKS</b>		Date: 6/21/17		Time: 14:15	
Relinquished by: (Signature and Printed Name)		Date:		Time:	
Relinquished by: (Signature and Printed Name)		Date:		Time:	



ADVANCED TECHNOLOGY

LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755

Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 2 of 2

Instruction: Complete all shaded areas.

For Laboratory Use Only		ATLCC Ver: 20130715	
Sample Conditions Upon Receipt		Condition	
Method of Transport	Client	Y	N
<input checked="" type="checkbox"/> Client	<input type="checkbox"/> ATL	<input checked="" type="checkbox"/> Chilled	<input type="checkbox"/> Condition
<input type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	<input type="checkbox"/> 5. # OF SAMPLES MATCH COC	<input type="checkbox"/> Y
<input type="checkbox"/> GSO		<input type="checkbox"/> 2. HEADSPACE (VOLUME)	<input type="checkbox"/> N
<input type="checkbox"/> Other:		<input type="checkbox"/> 3. CONTAINER INTACT	<input type="checkbox"/> 6. PRESERVED
		<input type="checkbox"/> 4. SEALED	<input type="checkbox"/> 7. COOLER TEMP. REG. C.

Company: <b>GSA ENGINEERING</b>		Tel: _____	
Address: _____		Fax: _____	
City: _____		State: _____ Zip: _____	
SEND REPORT TO:		SEND INVOICE TO:	
Attn: <b>DAN LOUKS</b>		Attn: <b>MICHAEL ANSELMO</b>	
Email: <b>dane@ssaengineering.net</b>		Email: <b>1029414@csnma.com</b>	
Company: <b>GSA ENGINEERING</b>		Company: <b>LJOSEPH + ASSJ</b>	
Address: <b>16950 AVENIDA DE SANTA YNEZ</b>		Address: <b>P.O. Box 4832</b>	
City: <b>PACIFIC PALISADES</b>		City: <b>OCEANSIDE</b>	
State: <b>CA</b>		State: <b>CA</b>	
Zip: <b>90272</b>		Zip: <b>92072</b>	

Project Name: <b>FORMER CROWN CLEANERS</b>		Quote No: _____		Special Instructions/Comments: _____	
Project No.: _____		PO #: _____			
Sampler: <b>DAN LOUKS</b>					
ITEM	Lab No.	Sample ID / Location	Date	Time	Encircle or Write Requested Analysis
1	1702387-10	VP11-5	6/21/17	11:00	8260 / 624 (Volatiles)
2	-11	VP11-10		11:10	8015 (GRO)
3	-11	VP11-15		11:25	8015 (DRO)
4	-13	VP12-5		9:35	8270 (Semi-volatiles)
5	-14	VP12-10		10:05	8082 (PCBs)
6	-15	VP12-15		10:15	6010 / 7000 (Title 22 Metals)
7					TO-15
8					
9					
10					

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.	
Signature: <b>DAN LOUKS</b>	
Submitter Print Name: _____	
Date: <b>6/21/17</b>	
Time: <b>14:15</b>	

Relinquished by: Signature and Printed Name: <b>DAN L. LOUKS</b>		Received by: Signature and Printed Name: <b>FPJ</b>	
Date: _____		Date: _____	
Time: _____		Time: _____	
Relinquished by: (Signature and Printed Name)		Received by: (Signature and Printed Name)	
Date: _____		Date: _____	
Time: _____		Time: _____	

## **APPENDIX D**



## A & R Laboratories

Formerly Microbac Southern California  
1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310  
www.arlaboratories.com

FAX 951-779-0344  
office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
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### CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

*Ken Zheng*

Ken Zheng, President  
07/03/2017 15:57:37

Laboratory Job No. (Certificate of Analysis No.)

1706-00245

Project Name / No.

24601 Raymond Way, Lake Forest, CA

Dates Sampled (from/to)

06/28/17 To 06/28/17

Dates Received (from/to)

06/28/17 To 06/28/17

Dates Reported (from/to)

07/03/17 To 7/3/2017

Chains of Custody Received

Yes

Comments:

#### Subcontracting

Organic Analyses

No analyses sub-contracted

#### Sample Condition(s)

All samples intact

#### Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
VP12-5	Toluene	0.12		µg/L	0.10	VP12-10	Tetrachloroethene	0.15		µg/L	0.10
VP12-10	Toluene	0.36		µg/L	0.10	VP12-15	Tetrachloroethene	0.21		µg/L	0.10
VP1-5	Tetrachloroethene	0.16		µg/L	0.10	VP1-5DUP	Tetrachloroethene	0.11		µg/L	0.10
VP1-10	Toluene	0.050	J	µg/L	0.10	VP1-15	Tetrachloroethene	0.13		µg/L	0.10
VP5-5	Tetrachloroethene	0.86		µg/L	0.10	VP5-10	Toluene	0.28		µg/L	0.10
VP5-15	Tetrachloroethene	3.7		µg/L	0.10	VP3-15	Tetrachloroethene	0.51		µg/L	0.10
VP2-5	Tetrachloroethene	0.090	J	µg/L	0.10	VP9-5	Tetrachloroethene	1.1		µg/L	0.10
VP9-5	Toluene	0.15		µg/L	0.10	VP9-10	Tetrachloroethene	0.12		µg/L	0.10
VP9-10	Toluene	0.20		µg/L	0.10	VP9-15	Tetrachloroethene	0.10		µg/L	0.10
VP6-10	Tetrachloroethene	16		µg/L	0.10	VP6-15	Tetrachloroethene	35		µg/L	0.10



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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP12-5</b>						Date & Time Sampled:		06/28/17	@	10:00
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	10:17	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	10:17	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:17	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:17	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP12-5</b>					Date & Time Sampled: 06/28/17 @ 10:00					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	10:17	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	10:17	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Toluene	<b>0.12</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ

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Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP12-5</b>					Date & Time Sampled:			06/28/17	@	10:00
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:17	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	10:17	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	10:17	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:17	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:17	KZ
[VOC Surrogates]										
Dibromofluoromethane	117		%REC	EPA 8260B			70-130	06/28/17	10:17	KZ
Toluene-D8	98		%REC	EPA 8260B			70-130	06/28/17	10:17	KZ
Bromofluorobenzene	90		%REC	EPA 8260B			70-130	06/28/17	10:17	KZ
Sample: 002 <b>VP12-10</b>					Date & Time Sampled:			06/28/17	@	10:25
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	10:40	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ

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FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP12-10</b>					Date & Time Sampled: 06/28/17 @ 10:25					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	10:40	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:40	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:40	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ

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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP12-10</b>					Date & Time Sampled: 06/28/17 @ 10:25					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	10:40	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	10:40	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Tetrachloroethane	<b>0.15</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Toluene	<b>0.36</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	10:40	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	10:40	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	10:40	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP12-10</b>					Date & Time Sampled:			06/28/17	@	10:25
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	10:40	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	10:40	KZ
[VOC Surrogates]										
Dibromofluoromethane	113		%REC	EPA 8260B			70-130	06/28/17	10:40	KZ
Toluene-D8	102		%REC	EPA 8260B			70-130	06/28/17	10:40	KZ
Bromofluorobenzene	89		%REC	EPA 8260B			70-130	06/28/17	10:40	KZ
Sample: 003 <b>VP12-15</b>					Date & Time Sampled:			06/28/17	@	10:58
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	11:08	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:08	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ

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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 <b>VP12-15</b>					Date & Time Sampled: 06/28/17 @ 10:58					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:08	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:08	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	11:08	KZ

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Sample: 003 <b>VP12-15</b>					Date & Time Sampled: 06/28/17 @ 10:58					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	11:08	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Tetrachloroethene	<b>0.21</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:08	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:08	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	11:08	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:08	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:08	KZ
[VOC Surrogates]										
Dibromofluoromethane	115		%REC	EPA 8260B			70-130	06/28/17	11:08	KZ
Toluene-D8	103		%REC	EPA 8260B			70-130	06/28/17	11:08	KZ
Bromofluorobenzene	91		%REC	EPA 8260B			70-130	06/28/17	11:08	KZ



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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 VP1-5						Date & Time Sampled:		06/28/17	@	11:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	11:31	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:31	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:31	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:31	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 <b>VP1-5</b>					Date & Time Sampled: 06/28/17 @ 11:16					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	11:31	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	11:31	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Tetrachloroethene	<b>0.16</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 VP1-5					Date & Time Sampled:			06/28/17	@	11:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:31	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:31	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	11:31	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:31	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:31	KZ
[VOC Surrogates]										
Dibromofluoromethane	117		%REC	EPA 8260B			70-130	06/28/17	11:31	KZ
Toluene-D8	105		%REC	EPA 8260B			70-130	06/28/17	11:31	KZ
Bromofluorobenzene	89		%REC	EPA 8260B			70-130	06/28/17	11:31	KZ
Sample: 005 VP1-5DUP					Date & Time Sampled:			06/28/17	@	11:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	11:55	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ

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Date Reported 07/03/17  
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Invoice No. 79759  
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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP1-5DUP</b>					Date & Time Sampled: 06/28/17 @ 11:16					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:55	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:55	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:55	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP1-5DUP</b>					Date & Time Sampled:			06/28/17	@	11:16
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	11:55	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	11:55	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Tetrachloroethene	<b>0.11</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	11:55	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	11:55	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	11:55	KZ

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**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP1-5DUP</b>					Date & Time Sampled:			06/28/17	@	11:16
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	11:55	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	11:55	KZ
[VOC Surrogates]										
Dibromofluoromethane	110		%REC	EPA 8260B			70-130	06/28/17	11:55	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	11:55	KZ
Bromofluorobenzene	93		%REC	EPA 8260B			70-130	06/28/17	11:55	KZ
Sample: 006 <b>VP1-10</b>					Date & Time Sampled:			06/28/17	@	11:55
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	12:18	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	12:18	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ

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1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 <b>VP1-10</b>						Date & Time Sampled: 06/28/17 @ 11:55				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:18	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:18	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	12:18	KZ

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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 <b>VP1-10</b>					Date & Time Sampled: 06/28/17 @ 11:55					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	12:18	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Toluene	<b>0.050</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:18	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	12:18	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	12:18	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:18	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:18	KZ
[VOC Surrogates]										
Dibromofluoromethane	112		%REC	EPA 8260B			70-130	06/28/17	12:18	KZ
Toluene-D8	103		%REC	EPA 8260B			70-130	06/28/17	12:18	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	12:18	KZ





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FAX 951-779-0344  
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## CERTIFICATE OF ANALYSIS

1706-00245

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest, CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 <b>VP1-15</b>						Date & Time Sampled:		06/28/17	@	12:20
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	12:41	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	12:41	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:41	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:41	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 <b>VP1-15</b>					Date & Time Sampled: 06/28/17 @ 12:20					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	12:41	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	12:41	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Tetrachloroethene	<b>0.13</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 <b>VP1-15</b>					Date & Time Sampled:			06/28/17	@	12:20
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	12:41	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	12:41	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	12:41	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	12:41	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	12:41	KZ
[VOC Surrogates]										
Dibromofluoromethane	113		%REC	EPA 8260B			70-130	06/28/17	12:41	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	12:41	KZ
Bromofluorobenzene	90		%REC	EPA 8260B			70-130	06/28/17	12:41	KZ
Sample: 008 <b>VP5-5</b>					Date & Time Sampled:			06/28/17	@	12:55
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	1:05	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ

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Date Reported 07/03/17  
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Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 <b>VP5-5</b>					Date & Time Sampled: 06/28/17 @ 12:55					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:05	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:05	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:05	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 <b>VP5-5</b>					Date & Time Sampled: 06/28/17 @ 12:55					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	1:05	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	1:05	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Tetrachloroethene	<b>0.86</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:05	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:05	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	1:05	KZ

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 VP5-5					Date & Time Sampled:			06/28/17	@	12:55
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:05	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:05	KZ
[VOC Surrogates]										
Dibromofluoromethane	117		%REC	EPA 8260B			70-130	06/28/17	1:05	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	1:05	KZ
Bromofluorobenzene	93		%REC	EPA 8260B			70-130	06/28/17	1:05	KZ
Sample: 009 VP5-10					Date & Time Sampled:			06/28/17	@	13:18
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	1:29	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:29	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 <b>VP5-10</b>					Date & Time Sampled: 06/28/17 @ 13:18					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:29	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:29	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	1:29	KZ

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**MICHAEL ANSELMO**  
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Date Reported 07/03/17  
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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 <b>VP5-10</b>					Date & Time Sampled: 06/28/17 @ 13:18					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	1:29	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Toluene	<b>0.28</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:29	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:29	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	1:29	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:29	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:29	KZ
[VOC Surrogates]										
Dibromofluoromethane	115		%REC	EPA 8260B			70-130	06/28/17	1:29	KZ
Toluene-D8	105		%REC	EPA 8260B			70-130	06/28/17	1:29	KZ
Bromofluorobenzene	90		%REC	EPA 8260B			70-130	06/28/17	1:29	KZ



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Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP5-15</b>						Date & Time Sampled:		06/28/17	@	13:47
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	1:56	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:56	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:56	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:56	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP5-15</b>					Date & Time Sampled:			06/28/17	@	13:47
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	1:56	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	1:56	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Tetrachloroethene	<b>3.7</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ

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**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP5-15</b>					Date & Time Sampled:			06/28/17	@	13:47
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	1:56	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	1:56	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	1:56	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	1:56	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	1:56	KZ
[VOC Surrogates]										
Dibromofluoromethane	117		%REC	EPA 8260B			70-130	06/28/17	1:56	KZ
Toluene-D8	106		%REC	EPA 8260B			70-130	06/28/17	1:56	KZ
Bromofluorobenzene	92		%REC	EPA 8260B			70-130	06/28/17	1:56	KZ
Sample: 011 <b>VP3-5</b>					Date & Time Sampled:			06/28/17	@	14:09
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	2:19	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ

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1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 <b>VP3-5</b>					Date & Time Sampled: 06/28/17 @ 14:09					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	2:19	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:19	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:19	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ

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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 <b>VP3-5</b>					Date & Time Sampled: 06/28/17 @ 14:09					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	2:19	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	2:19	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:19	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	2:19	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	2:19	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 <b>VP3-5</b>					Date & Time Sampled:			06/28/17	@	14:09
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:19	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:19	KZ
[VOC Surrogates]										
Dibromofluoromethane	111		%REC	EPA 8260B			70-130	06/28/17	2:19	KZ
Toluene-D8	103		%REC	EPA 8260B			70-130	06/28/17	2:19	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	2:19	KZ
Sample: 012 <b>VP3-10</b>					Date & Time Sampled:			06/28/17	@	14:36
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	2:42	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	2:42	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ

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1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 <b>VP3-10</b>						Date & Time Sampled: 06/28/17 @ 14:36				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:42	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:42	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	2:42	KZ

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www.arlaboratories.com

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 <b>VP3-10</b>					Date & Time Sampled:			06/28/17	@	14:36
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	2:42	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	2:42	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	2:42	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	2:42	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	2:42	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	2:42	KZ
[VOC Surrogates]										
Dibromofluoromethane	109		%REC	EPA 8260B			70-130	06/28/17	2:42	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	06/28/17	2:42	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	2:42	KZ



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Date Reported 07/03/17  
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Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 VP3-15						Date & Time Sampled:		06/28/17	@	14:59
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	3:09	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:09	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:09	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:09	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 <b>VP3-15</b>					Date & Time Sampled:			06/28/17	@	14:59
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	3:09	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	3:09	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Tetrachloroethene	<b>0.51</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ

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## CERTIFICATE OF ANALYSIS

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**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 VP3-15					Date & Time Sampled:			06/28/17	@	14:59
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:09	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:09	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	3:09	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:09	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:09	KZ
[VOC Surrogates]										
Dibromofluoromethane	118		%REC	EPA 8260B			70-130	06/28/17	3:09	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	3:09	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	3:09	KZ
Sample: 014 VP2-5					Date & Time Sampled:			06/28/17	@	15:21
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	3:32	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 <b>VP2-5</b>					Date & Time Sampled: 06/28/17 @ 15:21					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:32	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:32	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:32	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ

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Invoice No. 79759  
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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 <b>VP2-5</b>						Date & Time Sampled: 06/28/17 @ 15:21				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	3:32	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	3:32	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Tetrachloroethene	<b>0.090</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:32	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:32	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	3:32	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 VP2-5					Date & Time Sampled:			06/28/17	@	15:21
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:32	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:32	KZ
[VOC Surrogates]										
Dibromofluoromethane	119		%REC	EPA 8260B			70-130	06/28/17	3:32	KZ
Toluene-D8	105		%REC	EPA 8260B			70-130	06/28/17	3:32	KZ
Bromofluorobenzene	90		%REC	EPA 8260B			70-130	06/28/17	3:32	KZ
Sample: 015 VP2-10					Date & Time Sampled:			06/28/17	@	15:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	3:58	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:58	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ

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**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 <b>VP2-10</b>					Date & Time Sampled: 06/28/17 @ 15:50					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:58	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:58	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	3:58	KZ

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 <b>VP2-10</b>						Date & Time Sampled: 06/28/17 @ 15:50				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	3:58	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	3:58	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	3:58	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	3:58	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	3:58	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	3:58	KZ
[VOC Surrogates]										
Dibromofluoromethane	114		%REC	EPA 8260B			70-130	06/28/17	3:58	KZ
Toluene-D8	103		%REC	EPA 8260B			70-130	06/28/17	3:58	KZ
Bromofluorobenzene	91		%REC	EPA 8260B			70-130	06/28/17	3:58	KZ



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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 VP2-15					Date & Time Sampled:			06/28/17	@	16:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	4:20	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	4:20	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:20	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:20	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ

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**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 <b>VP2-15</b>					Date & Time Sampled:			06/28/17	@	16:10
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	4:20	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	4:20	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 <b>VP2-15</b>					Date & Time Sampled:			06/28/17	@	16:10
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:20	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	4:20	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	4:20	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:20	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:20	KZ
[VOC Surrogates]										
Dibromofluoromethane	118		%REC	EPA 8260B			70-130	06/28/17	4:20	KZ
Toluene-D8	106		%REC	EPA 8260B			70-130	06/28/17	4:20	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	4:20	KZ
Sample: 017 <b>VP9-5</b>					Date & Time Sampled:			06/28/17	@	16:40
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	4:50	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

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Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 <b>VP9-5</b>					Date & Time Sampled: 06/28/17 @ 16:40					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	4:50	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:50	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:50	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ

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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 <b>VP9-5</b>					Date & Time Sampled: 06/28/17 @ 16:40					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	4:50	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	4:50	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Tetrachloroethene	<b>1.1</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Toluene	<b>0.15</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	4:50	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	4:50	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	4:50	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 <b>VP9-5</b>					Date & Time Sampled:			06/28/17	@	16:40
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	4:50	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	4:50	KZ
[VOC Surrogates]										
Dibromofluoromethane	118		%REC	EPA 8260B			70-130	06/28/17	4:50	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	4:50	KZ
Bromofluorobenzene	90		%REC	EPA 8260B			70-130	06/28/17	4:50	KZ
Sample: 018 <b>VP9-10</b>					Date & Time Sampled:			06/28/17	@	17:00
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	5:12	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:12	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 <b>VP9-10</b>					Date & Time Sampled: 06/28/17 @ 17:00					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:12	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:12	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	5:12	KZ

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 <b>VP9-10</b>						Date & Time Sampled: 06/28/17 @ 17:00				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	5:12	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Tetrachloroethene	<b>0.12</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Toluene	<b>0.20</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:12	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:12	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	5:12	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:12	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:12	KZ
[VOC Surrogates]										
Dibromofluoromethane	115		%REC	EPA 8260B			70-130	06/28/17	5:12	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	5:12	KZ
Bromofluorobenzene	86		%REC	EPA 8260B			70-130	06/28/17	5:12	KZ



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**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 <b>VP9-15</b>						Date & Time Sampled:		06/28/17	@	17:25
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	5:35	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:35	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:35	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:35	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ

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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 <b>VP9-15</b>					Date & Time Sampled: 06/28/17 @ 17:25					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	5:35	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	5:35	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Tetrachloroethene	<b>0.10</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 <b>VP9-15</b>					Date & Time Sampled:			06/28/17	@	17:25
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:35	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:35	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	5:35	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:35	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:35	KZ
[VOC Surrogates]										
Dibromofluoromethane	111		%REC	EPA 8260B			70-130	06/28/17	5:35	KZ
Toluene-D8	105		%REC	EPA 8260B			70-130	06/28/17	5:35	KZ
Bromofluorobenzene	89		%REC	EPA 8260B			70-130	06/28/17	5:35	KZ
Sample: 020 <b>VP6-10</b>					Date & Time Sampled:			06/28/17	@	17:50
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	5:57	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ

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1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 020 <b>VP6-10</b>					Date & Time Sampled:			06/28/17	@	17:50
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:57	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:57	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:57	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 020 <b>VP6-10</b>						Date & Time Sampled: 06/28/17 @ 17:50				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	5:57	KZ
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	5:57	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Tetrachloroethene	<b>16</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	5:57	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	5:57	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	5:57	KZ

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Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 020 <b>VP6-10</b>					Date & Time Sampled:			06/28/17	@	17:50
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	5:57	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	5:57	KZ
[VOC Surrogates]										
Dibromofluoromethane	114		%REC	EPA 8260B			70-130	06/28/17	5:57	KZ
Toluene-D8	104		%REC	EPA 8260B			70-130	06/28/17	5:57	KZ
Bromofluorobenzene	88		%REC	EPA 8260B			70-130	06/28/17	5:57	KZ
Sample: 021 <b>VP6-15</b>					Date & Time Sampled:			06/28/17	@	18:10
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/28/17	6:20	KZ
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	6:20	KZ
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ

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	2122

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## CERTIFICATE OF ANALYSIS

1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/28/17  
Invoice No. 79759  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 021 <b>VP6-15</b>						Date & Time Sampled: 06/28/17 @ 18:10				
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	6:20	KZ
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	6:20	KZ
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/28/17	6:20	KZ

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1706-00245

**L. JOSEPH ASSOCIATES, LLC**  
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Date Reported 07/03/17  
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Cust # L092  
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**Project: 24601 Raymond Way, Lake Forest, CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 021 <b>VP6-15</b>					Date & Time Sampled:			06/28/17	@	18:10
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/28/17	6:20	KZ
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Tetrachloroethene	<b>35</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/28/17	6:20	KZ
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/28/17	6:20	KZ
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/28/17	6:20	KZ
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/28/17	6:20	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/28/17	6:20	KZ
[VOC Surrogates]										
Dibromofluoromethane	114		%REC	EPA 8260B			70-130	06/28/17	6:20	KZ
Toluene-D8	107		%REC	EPA 8260B			70-130	06/28/17	6:20	KZ
Bromofluorobenzene	94		%REC	EPA 8260B			70-130	06/28/17	6:20	KZ





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**Respectfully Submitted:**

*Ken Zheng*

Ken Zheng - President

### QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.

B1 = BOD dilution water is over specifications . The reported result may be biased high.

D = Surrogate recoveries are not calculated due to sample dilution.

E = Estimated value; Value exceeds calibration level of instrument.

H = Analyte was prepared and/or analyzed outside of the analytical method holding time

I = Matrix Interference.

J = Analyte concentration detected between RL and MDL.

Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.

S = Customer provided specification limit exceeded.

### ABBREVIATIONS

DF = Dilution Factor

RL = Reporting Limit, Adjusted by DF

MDL = Method Detection Limit, Adjusted by DF

Qual = Qualifier

Tech = Technician

*As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.*

*For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.*



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## QUALITY CONTROL DATA REPORT

L. JOSEPH ASSOCIATES, LLC

MICHAEL ANSELMO

441 CALLE CORAZON

OCEANSIDE, CA 92052

1706-00245

Date Reported 07/03/2017

Date Received 06/28/2017

Date Sampled 06/28/2017

Invoice No. 79759

Customer # L092

Customer P.O.

Project: 24601 Raymond Way, Lake Forest, CA

Method #		EPA 8260B																				
QC Reference #		65660				Date Analyzed: 6/28/2017										Technician: KZ						
Samples	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	
Results																			Control Ranges			
	LCS %REC				LCS %DUP		LCS %RPD		BLKSRR% REC						LCS %REC		LCS %RPD		BLKSRR%REC			
	1,1-Dichloroethene				128	120		8						70 - 130		0 - 25						
	Benzene				124	124		0						70 - 130		0 - 25						
	Bromofluorobenzene									93								70 - 130				
	Chlorobenzene				125	113		12						70 - 130		0 - 25						
	Dibromofluoromethan									121								70 - 130				
	Toluene				120	120		0						70 - 130		0 - 25						
	Toluene-D8									103								70 - 130				
	Trichloroethene				127	110		17						70 - 130		0 - 25						



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1706-00245

L. JOSEPH ASSOCIATES, LLC

MICHAEL ANSELMO

Date Reported

07/03/2017

Date Received

06/28/2017

Date Sampled

06/28/2017

Project: 24601 Raymond Way, Lake Forest, CA

### Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
65660	Acetone	<5.0000		µg/L	5.0000		Isopropylbenzene	<0.5000		µg/L	0.5000
	t-Amyl Methyl Ether (TAME)	<0.5000		µg/L	0.5000		4-Isopropyltoluene	<0.5000		µg/L	0.5000
	Benzene	<0.3600		µg/L	0.3600		Methylene Chloride	<0.5000		µg/L	0.5000
	Bromobenzene	<0.5000		µg/L	0.5000		4-Methyl-2-Pentanone (MIBK)	<5.0000		µg/L	5.0000
	Bromochloromethane	<0.5000		µg/L	0.5000		Methyl-t-butyl Ether (MtBE)	<0.5000		µg/L	0.5000
	Bromodichloromethane	<0.5000		µg/L	0.5000		Naphthalene	<0.3200		µg/L	0.3200
	Bromoform	<0.5000		µg/L	0.5000		n-Propylbenzene	<0.5000		µg/L	0.5000
	Bromomethane	<0.5000		µg/L	0.5000		Styrene	<0.5000		µg/L	0.5000
	t-Butanol (TBA)	<5.0000		µg/L	5.0000		1,1,1,2-Tetrachloroethane	<0.5000		µg/L	0.5000
	2-Butanone (MEK)	<5.0000		µg/L	5.0000		1,1,2,2-Tetrachloroethane	<0.5000		µg/L	0.5000
	n-Butylbenzene	<0.5000		µg/L	0.5000		Tetrachloroethene	<0.5000		µg/L	0.5000
	sec-Butylbenzene	<0.5000		µg/L	0.5000		Toluene	<0.5000		µg/L	0.5000
	tert-Butylbenzene	<0.5000		µg/L	0.5000		1,2,3-Trichlorobenzene	<0.5000		µg/L	0.5000
	Carbon Disulfide	<5.0000		µg/L	5.0000		1,2,4-Trichlorobenzene	<0.5000		µg/L	0.5000
	Carbon Tetrachloride	<0.2500		µg/L	0.2500		1,1,1-Trichloroethane	<0.5000		µg/L	0.5000
	Chlorobenzene	<0.5000		µg/L	0.5000		1,1,2-Trichloroethane	<0.5000		µg/L	0.5000
	Chloroethane	<0.5000		µg/L	0.5000		Trichloroethene	<0.5000		µg/L	0.5000
	Chloroform	<0.5000		µg/L	0.5000		1,2,3-Trichloropropane	<0.2000		µg/L	0.2000
	Chloromethane	<0.5000		µg/L	0.5000		Trichlorofluoromethane	<0.5000		µg/L	0.5000
	2-Chlorotoluene	<0.5000		µg/L	0.5000		Trichlorotrifluoroethane	<0.5000		µg/L	0.5000
	4-Chlorotoluene	<0.5000		µg/L	0.5000		1,2,4-Trimethylbenzene	<0.5000		µg/L	0.5000
	Dibromochloromethane	<0.5000		µg/L	0.5000		1,3,5-Trimethylbenzene	<0.5000		µg/L	0.5000
	1,2-Dibromoethane (EDB)	<0.2000		µg/L	0.2000		Vinyl Chloride	<0.2500		µg/L	0.2500
	1,2-Dibromo-3-Chloropropane	<0.2000		µg/L	0.2000		m,p-Xylenes	<1.0000		µg/L	1.0000
	Dibromomethane	<0.5000		µg/L	0.5000		o-Xylene	<0.5000		µg/L	0.5000
	1,2-Dichlorobenzene	<0.5000		µg/L	0.5000		Isopropanol (IPA)	<5.0000		µg/L	5.0000
	1,3-Dichlorobenzene	<0.5000		µg/L	0.5000						
	1,4-Dichlorobenzene	<0.5000		µg/L	0.5000						
	Dichlorodifluoromethane	<0.5000		µg/L	0.5000						
	1,1-Dichloroethane	<0.5000		µg/L	0.5000						
	1,2-Dichloroethane	<0.5000		µg/L	0.5000						
	1,1-Dichloroethene	<0.5000		µg/L	0.5000						
	cis-1,2-Dichloroethene	<0.5000		µg/L	0.5000						
	trans-1,2-Dichloroethene	<0.5000		µg/L	0.5000						
	1,2-Dichloropropane	<0.5000		µg/L	0.5000						
	1,3-Dichloropropane	<0.5000		µg/L	0.5000						
	2,2-Dichloropropane	<0.5000		µg/L	0.5000						
	1,1-Dichloropropene	<0.5000		µg/L	0.5000						
	cis-1,3-Dichloropropene	<0.5000		µg/L	0.5000						
	trans-1,3-Dichloropropene	<0.5000		µg/L	0.5000						
	Diisopropyl Ether (DiPE)	<0.5000		µg/L	0.5000						
	Ethylbenzene	<0.5000		µg/L	0.5000						
	Ethyl-t-Butyl Ether (EtBE)	<0.5000		µg/L	0.5000						
	Hexachlorobutadiene	<0.5000		µg/L	0.5000						
	2-Hexanone	<5.0000		µg/L	5.0000						



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**Project: 24601 Raymond Way, Lake Forest, CA**

*Respectfully Submitted:*

*Ken Zheng*

Ken Zheng - President

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1650 S. Grove Ave., Ste C, Ontario, CA 91761  
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344  
E-mail: office@arlaboratories.com

## CHAIN OF CUSTODY

A & R Work Order #:

Page 1 of 2

Client Name **5 SA - Lake Forest Forest / L. Joseph & Assoc**

Analyses Requested

Turn Around Time Requested

E-mail **joseph@arlab.com**

☒ Intact ☐ Seal

Address **16950 Ave. De Santa Fe 3, AP CA 90272**

Report Attention **Don Lohm** Phone # **(310) 873-5703** Sampled By **ARL**

☐ Rush 8 12 24 48 Hours  
☐ Normal

Project No./Name **24601 Raymond Way, Lake Forest**

Lab # **VP12-5** Client **Sample ID** Date **6/28/17** Time **10:00** Matrix **Any** Sample Preserve **250mL** No., type & size of container **X**

EPA8260B (VOCs & Oxygenates)  
EPA8260B(BTEX & Oxygenates)  
LUFT / 8015 (Gasoline)  
LUFT / 8015 (Diesel)  
EPA8081A (Organochlorine Pesticides)  
EPA 8082 (PCBs)  
EPA 8015M (Carbon Chain C4-C40)  
EPA 6010B/7000 (CAM 17 Metals)  
Micro: Plate Cnt., Coliform, E-Coli

Remarks

**Legs + mtr  
some water  
3PV**

-1	VP12-5	6/28/17	10:00	Any	750mL	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</
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Relinquished By **Don Lohm** Company **ARL** Date **6/28/17** Time **16:00** Received By **Don Lohm** Company **ARL** Date **6/28/17** Time **18:00**

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water SL=Sludge IC=Ice SH=NaOH \* Sample Container Types: B=Brass Tube E=EnCore  
GW=Ground Water SS=Soil/Sediment HC=HCl T=Tedlar Air Bag P=Plastic Bottle  
WW=Waste Water AR=Air HN=HNO3 HS=H2SO4 ST=Glass Container V=VOA Vial  
SD=Solid Waste PP=Pure Product



Client Name						Analyses Requested					
GSA - Lake Forest / L. Joseph *											
E-mail josephl@comcast.net						Turn Around Time Requested					
Address 7690 Ave. 06 Santa Fe St. P.O. Box 9029						Rush 8 12 24 48 Hours					
Report Attention Phone # 305-2-5748 Fax: # Sampled By RRL						Normal					
Project No./Name Palmer-Carr CC 24601 Raymond Way, Lake Forest.						Remarks					
Lab # (Lab use)		Client Sample ID		Sample Collection Date Time		Matrix Type		Sample Preserve		No., type & size of container	
-16		VP2-15	6/8/17	16:10	Air						3 PV
-17		VP9-5		16:40							
-18		VP9-10		17:00							
-19		VP9-15		17:25							
-20		VP6-10		17:50							
-21		VP6-15		18:10							

Relinquished By [Signature] Company GSA Date 6/28/17 Time 18:00 Received By [Signature] Company H&R Date 6/28/17 Time 18:00

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product IC=Ice HC=HCl HN=HNO3 SH=NaOH ST=Na2SO3 HS=H2SO4 T=Tedlar Air Bag G=Glass Container ST=Steel Tube B=Brass Tube P=Plastic Bottle V=VOA Vial E=EnCore



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Formerly Microbac Southern California

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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## CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	<i>Ken Zheng</i> Ken Zheng, President 07/03/2017 17:11:57
Laboratory Job No. (Certificate of Analysis No.)	1706-00278
Project Name / No.	24601 Raymond Way, Lake Forest CA
Dates Sampled (from/to)	06/30/17 To 06/30/17
Dates Received (from/to)	06/30/17 To 06/30/17
Dates Reported (from/to)	07/03/17 To 7/3/2017
Chains of Custody Received	Yes

Comments:

### Subcontracting

Organic Analyses

No analyses sub-contracted

### Sample Condition(s)

All samples intact

### Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
VP10-5	Tetrachloroethene	0.050	J	µg/L	0.10	VP10-15	Tetrachloroethene	0.050	J	µg/L	0.10
VP4-5	Tetrachloroethene	0.47		µg/L	0.10	VP4-10	Tetrachloroethene	0.15		µg/L	0.10
VP4-15	Tetrachloroethene	7.9		µg/L	0.10	VP8-5	Tetrachloroethene	6.2		µg/L	0.10
VP8-5	Trichloroethene	0.090	J	µg/L	0.10	VP8-10	Tetrachloroethene	0.090	J	µg/L	0.10
VP8-15	Tetrachloroethene	0.12		µg/L	0.10	VP7-5	Tetrachloroethene	13		µg/L	0.10
VP7-5	Trichloroethene	0.60		µg/L	0.10	VP7-5	cis-1,2-Dichloroethene	0.33		µg/L	0.10
VP7-10	Tetrachloroethene	0.57		µg/L	0.10	VP7-10	Trichloroethene	0.23		µg/L	0.10
VP7-10	cis-1,2-Dichloroethene	0.10		µg/L	0.10	VP7-15	Tetrachloroethene	4.1		µg/L	0.10
VP7-15	Trichloroethene	0.080	J	µg/L	0.10	VP7-15	cis-1,2-Dichloroethene	0.090	J	µg/L	0.10
VP11-5	Tetrachloroethene	0.13		µg/L	0.10	VP11-10	Tetrachloroethene	0.15		µg/L	0.10
VP11-15	Tetrachloroethene	0.090	J	µg/L	0.10	VP11-15DUP	Tetrachloroethene	0.070	J	µg/L	0.10



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1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310  
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ELAP#s	2789
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	2122

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP10-5</b>	Date & Time Sampled:						06/30/17	@	13:20	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	1:35	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	1:35	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	1:35	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	1:35	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

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Formerly Microbac Southern California  
1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
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OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP10-5</b>					Date & Time Sampled: 06/30/17 @ 13:20					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	1:35	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	1:35	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Tetrachloroethene	<b>0.050</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 <b>VP10-5</b>					Date & Time Sampled:			06/30/17	@	13:20
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	1:35	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	1:35	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	1:35	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	1:35	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	1:35	AR
[VOC Surrogates]										
Dibromofluoromethane	104		%REC	EPA 8260B			70-130	06/30/17	1:35	AR
Toluene-D8	94		%REC	EPA 8260B			70-130	06/30/17	1:35	AR
Bromofluorobenzene	118		%REC	EPA 8260B			70-130	06/30/17	1:35	AR
Sample: 002 <b>VP10-10</b>					Date & Time Sampled:			06/30/17	@	13:48
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	2:19	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR

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OCEANSIDE, CA 92052

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Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP10-10</b>					Date & Time Sampled:		06/30/17	@	13:48	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	2:19	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:19	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:19	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR

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MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP10-10</b>					Date & Time Sampled:		06/30/17	@	13:48	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	2:19	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	2:19	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Tetrachloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:19	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR

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Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 <b>VP10-10</b>					Date & Time Sampled:			06/30/17	@	13:48
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	2:19	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	2:19	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:19	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:19	AR
[VOC Surrogates]										
Dibromofluoromethane	108		%REC	EPA 8260B			70-130	06/30/17	2:19	AR
Toluene-D8	96		%REC	EPA 8260B			70-130	06/30/17	2:19	AR
Bromofluorobenzene	121		%REC	EPA 8260B			70-130	06/30/17	2:19	AR
Sample: 003 <b>VP10-15</b>					Date & Time Sampled:			06/30/17	@	14:31
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	2:43	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR

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Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 <b>VP10-15</b>					Date & Time Sampled: 06/30/17 @ 14:31					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	2:43	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:43	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:43	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR

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office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 <b>VP10-15</b>					Date & Time Sampled: 06/30/17 @ 14:31					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	2:43	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	2:43	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Tetrachloroethene	<b>0.050</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	2:43	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	2:43	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	2:43	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	2:43	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	2:43	AR

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## CERTIFICATE OF ANALYSIS

**1706-00278**

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 <b>VP10-15</b>					Date & Time Sampled:			06/30/17	@	14:31
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
[VOC Surrogates]										
Dibromofluoromethane	102		%REC	EPA 8260B			70-130	06/30/17	2:43	AR
Toluene-D8	96		%REC	EPA 8260B			70-130	06/30/17	2:43	AR
Bromofluorobenzene	107		%REC	EPA 8260B			70-130	06/30/17	2:43	AR
Sample: 004 <b>VP4-5</b>					Date & Time Sampled:			06/30/17	@	15:21
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	3:31	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	3:31	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR

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MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 <b>VP4-5</b>					Date & Time Sampled: 06/30/17 @ 15:21					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:31	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:31	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	3:31	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR

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Invoice No. 79771  
Cust # L092  
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Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 <b>VP4-5</b>					Date & Time Sampled:		06/30/17	@	15:21	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	3:31	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Tetrachloroethene	<b>0.47</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:31	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	3:31	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	3:31	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:31	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:31	AR
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	06/30/17	3:31	AR
Toluene-D8	78		%REC	EPA 8260B			70-130	06/30/17	3:31	AR
Bromofluorobenzene	112		%REC	EPA 8260B			70-130	06/30/17	3:31	AR

Sample: 005 **VP4-10**  
Sample Matrix: **Soil Vapor**

Date & Time Sampled: 06/30/17 @ 15:39



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Formerly Microbac Southern California  
1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP4-10</b>	Date & Time Sampled:						06/30/17	@	15:39	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	3:56	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	3:56	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:56	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:56	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP4-10</b>					Date & Time Sampled:		06/30/17	@	15:39	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	3:56	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	3:56	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Tetrachloroethene	<b>0.15</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR

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ONTARIO, CA 91761

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 <b>VP4-10</b>					Date & Time Sampled:			06/30/17	@	15:39
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	3:56	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	3:56	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	3:56	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	3:56	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	3:56	AR
[VOC Surrogates]										
Dibromofluoromethane	100		%REC	EPA 8260B			70-130	06/30/17	3:56	AR
Toluene-D8	91		%REC	EPA 8260B			70-130	06/30/17	3:56	AR
Bromofluorobenzene	109		%REC	EPA 8260B			70-130	06/30/17	3:56	AR
Sample: 006 <b>VP4-15</b>					Date & Time Sampled:			06/30/17	@	16:03
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	4:21	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR

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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 <b>VP4-15</b>					Date & Time Sampled: 06/30/17 @ 16:03					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	4:21	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:21	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:21	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR

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www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 <b>VP4-15</b>					Date & Time Sampled: 06/30/17 @ 16:03					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	4:21	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	4:21	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Tetrachloroethene	<b>7.9</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:21	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR

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OCEANSIDE, CA 92052

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Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 <b>VP4-15</b>					Date & Time Sampled:			06/30/17	@	16:03
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: 3										
.....continued										
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	4:21	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	4:21	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:21	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:21	AR
[VOC Surrogates]										
Dibromofluoromethane	105		%REC	EPA 8260B			70-130	06/30/17	4:21	AR
Toluene-D8	93		%REC	EPA 8260B			70-130	06/30/17	4:21	AR
Bromofluorobenzene	104		%REC	EPA 8260B			70-130	06/30/17	4:21	AR
Sample: 007 <b>VP8-5</b>					Date & Time Sampled:			06/30/17	@	16:29
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	4:47	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR

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MICHAEL ANSELMO  
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OCEANSIDE, CA 92052

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Date Received 06/30/17  
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Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 <b>VP8-5</b>					Date & Time Sampled:		06/30/17	@	16:29	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	4:47	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:47	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:47	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR

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Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 <b>VP8-5</b>					Date & Time Sampled: 06/30/17 @ 16:29					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	4:47	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	4:47	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Tetrachloroethene	<b>6.2</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Trichloroethene	<b>0.090</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	4:47	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	4:47	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	4:47	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	4:47	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	4:47	AR

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Sample: 007 <b>VP8-5</b>					Date & Time Sampled:			06/30/17	@	16:29
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	06/30/17	4:47	AR
Toluene-D8	92		%REC	EPA 8260B			70-130	06/30/17	4:47	AR
Bromofluorobenzene	122		%REC	EPA 8260B			70-130	06/30/17	4:47	AR
Sample: 008 <b>VP8-10</b>					Date & Time Sampled:			06/30/17	@	16:55
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	5:12	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	5:12	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 <b>VP8-10</b>					Date & Time Sampled:		06/30/17	@	16:55	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:12	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:12	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	5:12	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR

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441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
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Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 <b>VP8-10</b>					Date & Time Sampled:		06/30/17	@	16:55	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	5:12	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Tetrachloroethene	<b>0.090</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:12	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	5:12	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	5:12	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:12	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:12	AR
[VOC Surrogates]										
Dibromofluoromethane	105		%REC	EPA 8260B			70-130	06/30/17	5:12	AR
Toluene-D8	95		%REC	EPA 8260B			70-130	06/30/17	5:12	AR
Bromofluorobenzene	98		%REC	EPA 8260B			70-130	06/30/17	5:12	AR

Sample: 009 **VP8-15**  
Sample Matrix: **Soil Vapor**

Date & Time Sampled: 06/30/17 @ 17:21



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Formerly Microbac Southern California  
1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 <b>VP8-15</b>	Date & Time Sampled:						06/30/17	@	17:21	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	5:36	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	5:36	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:36	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:36	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR

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Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 <b>VP8-15</b>					Date & Time Sampled: 06/30/17 @ 17:21					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	5:36	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	5:36	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Tetrachloroethene	<b>0.12</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR

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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 <b>VP8-15</b>					Date & Time Sampled:			06/30/17	@	17:21
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	5:36	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	5:36	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	5:36	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	5:36	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	5:36	AR
[VOC Surrogates]										
Dibromofluoromethane	112		%REC	EPA 8260B			70-130	06/30/17	5:36	AR
Toluene-D8	92		%REC	EPA 8260B			70-130	06/30/17	5:36	AR
Bromofluorobenzene	123		%REC	EPA 8260B			70-130	06/30/17	5:36	AR
Sample: 010 <b>VP7-5</b>					Date & Time Sampled:			06/30/17	@	17:44
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	6:00	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP7-5</b>					Date & Time Sampled: 06/30/17 @ 17:44					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:00	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:00	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:00	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
cis-1,2-Dichloroethene	<b>0.33</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR

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**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP7-5</b>					Date & Time Sampled: 06/30/17 @ 17:44					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	6:00	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	6:00	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Tetrachloroethene	<b>13</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Trichloroethene	<b>0.60</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:00	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR

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Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 <b>VP7-5</b>					Date & Time Sampled:			06/30/17	@	17:44
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:00	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	6:00	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:00	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:00	AR
[VOC Surrogates]										
Dibromofluoromethane	101		%REC	EPA 8260B			70-130	06/30/17	6:00	AR
Toluene-D8	92		%REC	EPA 8260B			70-130	06/30/17	6:00	AR
Bromofluorobenzene	106		%REC	EPA 8260B			70-130	06/30/17	6:00	AR
Sample: 011 <b>VP7-10</b>										
Sample Matrix: <b>Soil Vapor</b>					Date & Time Sampled:			06/30/17	@	18:08
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	6:24	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 <b>VP7-10</b>					Date & Time Sampled:		06/30/17	@	18:08	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:24	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:24	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:24	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
cis-1,2-Dichloroethene	<b>0.10</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR

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951-779-0310

www.arlaboratories.com

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Sample: 011 <b>VP7-10</b>					Date & Time Sampled: 06/30/17 @ 18:08					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	6:24	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	6:24	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Tetrachloroethene	<b>0.57</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Trichloroethene	<b>0.23</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:24	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:24	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	6:24	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:24	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:24	AR

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 <b>VP7-10</b>					Date & Time Sampled:			06/30/17	@	18:08
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
[VOC Surrogates]										
Dibromofluoromethane	100		%REC	EPA 8260B			70-130	06/30/17	6:24	AR
Toluene-D8	92		%REC	EPA 8260B			70-130	06/30/17	6:24	AR
Bromofluorobenzene	107		%REC	EPA 8260B			70-130	06/30/17	6:24	AR
Sample: 012 <b>VP7-15</b>					Date & Time Sampled:			06/30/17	@	18:32
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	6:47	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:47	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR

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Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 <b>VP7-15</b>					Date & Time Sampled: 06/30/17 @ 18:32					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:47	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:47	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
cis-1,2-Dichloroethene	<b>0.090</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	6:47	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR

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Sample: 012 <b>VP7-15</b>					Date & Time Sampled: 06/30/17 @ 18:32					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	6:47	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Tetrachloroethene	<b>4.1</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Trichloroethene	<b>0.080</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	6:47	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	6:47	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	6:47	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	6:47	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	6:47	AR
[VOC Surrogates]										
Dibromofluoromethane	102		%REC	EPA 8260B			70-130	06/30/17	6:47	AR
Toluene-D8	94		%REC	EPA 8260B			70-130	06/30/17	6:47	AR
Bromofluorobenzene	108		%REC	EPA 8260B			70-130	06/30/17	6:47	AR

Sample: 013 **VP11-5**  
Sample Matrix: **Soil Vapor**

Date & Time Sampled: 06/30/17 @ 18:52





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1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

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FAX 951-779-0344  
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## CERTIFICATE OF ANALYSIS

1706-00278

L. JOSEPH ASSOCIATES, LLC  
MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 VP11-5	Date & Time Sampled:						06/30/17	@	18:52	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	7:12	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	7:12	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:12	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:12	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 <b>VP11-5</b>					Date & Time Sampled: 06/30/17 @ 18:52					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	7:12	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	7:12	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Tetrachloroethene	<b>0.13</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR

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1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 <b>VP11-5</b>					Date & Time Sampled:			06/30/17	@	18:52
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:12	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	7:12	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	7:12	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:12	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:12	AR
[VOC Surrogates]										
Dibromofluoromethane	105		%REC	EPA 8260B			70-130	06/30/17	7:12	AR
Toluene-D8	94		%REC	EPA 8260B			70-130	06/30/17	7:12	AR
Bromofluorobenzene	104		%REC	EPA 8260B			70-130	06/30/17	7:12	AR
Sample: 014 <b>VP11-10</b>					Date & Time Sampled:			06/30/17	@	19:21
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	7:38	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR

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Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 <b>VP11-10</b>					Date & Time Sampled: 06/30/17 @ 19:21					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	7:38	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:38	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:38	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR

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FAX 951-779-0344

office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 <b>VP11-10</b>					Date & Time Sampled: 06/30/17 @ 19:21					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	7:38	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	7:38	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Tetrachloroethene	<b>0.15</b>		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	7:38	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR

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Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 <b>VP11-10</b>					Date & Time Sampled:			06/30/17	@	19:21
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	7:38	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	7:38	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	7:38	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	7:38	AR
[VOC Surrogates]										
Dibromofluoromethane	115		%REC	EPA 8260B			70-130	06/30/17	7:38	AR
Toluene-D8	95		%REC	EPA 8260B			70-130	06/30/17	7:38	AR
Bromofluorobenzene	105		%REC	EPA 8260B			70-130	06/30/17	7:38	AR
Sample: 015 <b>VP11-15</b>					Date & Time Sampled:			06/30/17	@	19:46
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	8:04	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR

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1706-00278

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MICHAEL ANSELMO  
441 CALLE CORAZON  
OCEANSIDE, CA 92052

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 <b>VP11-15</b>					Date & Time Sampled: 06/30/17 @ 19:46					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	8:04	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:04	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:04	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Diisopropyl Ether (DIPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR

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Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 <b>VP11-15</b>					Date & Time Sampled: 06/30/17 @ 19:46					
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	8:04	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	8:04	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Tetrachloroethene	<b>0.090</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:04	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	8:04	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	8:04	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:04	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:04	AR

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**1706-00278**

**L. JOSEPH ASSOCIATES, LLC**  
**MICHAEL ANSELMO**  
**441 CALLE CORAZON**  
**OCEANSIDE, CA 92052**

Date Reported 07/03/17  
Date Received 06/30/17  
Invoice No. 79771  
Cust # L092  
Permit Number  
Customer P.O.

**Project: 24601 Raymond Way, Lake Forest CA**

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 <b>VP11-15</b>					Date & Time Sampled:			06/30/17	@	19:46
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	06/30/17	8:04	AR
Toluene-D8	94		%REC	EPA 8260B			70-130	06/30/17	8:04	AR
Bromofluorobenzene	104		%REC	EPA 8260B			70-130	06/30/17	8:04	AR
Sample: 016 <b>VP11-15DUP</b>					Date & Time Sampled:			06/30/17	@	19:46
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
[VOCs by GCMS]										
Acetone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
t-Amyl Methyl Ether (TAME)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Benzene	<0.036		µg/L	EPA 8260B	1.0	0.0360	0.050	06/30/17	8:31	AR
Bromobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Bromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Bromodichloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Bromoform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Bromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
t-Butanol (TBA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
2-Butanone (MEK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
n-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
sec-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
tert-Butylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Carbon Disulfide	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
Carbon Tetrachloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	8:31	AR
Chlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Chloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Chloroform	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Chloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
2-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
4-Chlorotoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR

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1650 S. GROVE AVE., SUITE C  
ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

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## CERTIFICATE OF ANALYSIS

1706-00278

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OCEANSIDE, CA 92052

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Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 <b>VP11-15DUP</b>					Date & Time Sampled:		06/30/17	@	19:46	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Dibromochloromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2-Dibromoethane (EDB)	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:31	AR
1,2-Dibromo-3-Chloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:31	AR
Dibromomethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,3-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,4-Dichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Dichlorodifluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2-Dichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
cis-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
trans-1,2-Dichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,3-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
2,2-Dichloropropane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
cis-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
trans-1,3-Dichloropropene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Diisopropyl Ether (DiPE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Ethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Hexachlorobutadiene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
2-Hexanone	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
Isopropylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
4-Isopropyltoluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Methylene Chloride	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.1	06/30/17	8:31	AR
4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR

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Sample: 016 <b>VP11-15DUP</b>					Date & Time Sampled:		06/30/17	@	19:46	
Sample Matrix: <b>Soil Vapor</b>										
Purge Volume Sampled: <b>3</b>										
.....continued										
Naphthalene	<0.032		µg/L	EPA 8260B	1.0	0.0320	0.050	06/30/17	8:31	AR
n-Propylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Styrene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1,1,2-Tetrachloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1,2,2-Tetrachloroethane	<0.05		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Tetrachloroethene	<b>0.070</b>	J	µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Toluene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2,3-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2,4-Trichlorobenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1,1-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,1,2-Trichloroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Trichloroethene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2,3-Trichloropropane	<0.020		µg/L	EPA 8260B	1.0	0.0200	0.10	06/30/17	8:31	AR
Trichlorofluoromethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Trichlorotrifluoroethane	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,2,4-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
1,3,5-Trimethylbenzene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
Vinyl Chloride	<0.025		µg/L	EPA 8260B	1.0	0.0250	0.050	06/30/17	8:31	AR
m,p-Xylenes	<0.10		µg/L	EPA 8260B	1.0	0.1000	0.20	06/30/17	8:31	AR
o-Xylene	<0.050		µg/L	EPA 8260B	1.0	0.0500	0.10	06/30/17	8:31	AR
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.50		µg/L	EPA 8260B	1.0	0.5000	1.0	06/30/17	8:31	AR
[VOC Surrogates]										
Dibromofluoromethane	103		%REC	EPA 8260B			70-130	06/30/17	8:31	AR
Toluene-D8	94		%REC	EPA 8260B			70-130	06/30/17	8:31	AR
Bromofluorobenzene	104		%REC	EPA 8260B			70-130	06/30/17	8:31	AR



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Respectfully Submitted:

*Ken Zheng*

Ken Zheng - President

### QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.

B1 = BOD dilution water is over specifications. The reported result may be biased high.

D = Surrogate recoveries are not calculated due to sample dilution.

E = Estimated value; Value exceeds calibration level of instrument.

H = Analyte was prepared and/or analyzed outside of the analytical method holding time

I = Matrix Interference.

J = Analyte concentration detected between RL and MDL.

Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.

S = Customer provided specification limit exceeded.

### ABBREVIATIONS

DF = Dilution Factor

RL = Reporting Limit, Adjusted by DF

MDL = Method Detection Limit, Adjusted by DF

Qual = Qualifier

Tech = Technician

*As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.*

*For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.*



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## QUALITY CONTROL DATA REPORT

L. JOSEPH ASSOCIATES, LLC

1706-00278

MICHAEL ANSELMO

Date Reported 07/03/2017

441 CALLE CORAZON

Date Received 06/30/2017

OCEANSIDE, CA 92052

Date Sampled 06/30/2017

Invoice No. 79771

Customer # L092

Customer P.O.

Project: 24601 Raymond Way, Lake Forest CA

Method # EPA 8260B

QC Reference # 65700 Date Analyzed: 6/30/2017 Technician: AR

Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

### Results

LCS %REC LCS %DUP LCS %RPD

1,1-Dichloroethene	90	96	6
Benzene	92	95	3
Chlorobenzene	95	91	4
Toluene	89	93	4
Trichloroethene	92	98	6

### Control Ranges

LCS %REC LCS %RPD

70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25



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## QUALITY CONTROL DATA REPORT

L. JOSEPH ASSOCIATES, LLC

MICHAEL ANSELMO

1706-00278

Date Reported

07/03/2017

Date Received

06/30/2017

Date Sampled

06/30/2017

Project: 24601 Raymond Way, Lake Forest CA

### Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
65700	Acetone	<0.50		µg/L	0.50		Isopropylbenzene	<0.050		µg/L	0.050
	t-Amyl Methyl Ether (TAME)	<0.050		µg/L	0.050		4-Isopropyltoluene	<0.050		µg/L	0.050
	Benzene	<0.036		µg/L	0.036		Methylene Chloride	<0.05		µg/L	0.05
	Bromobenzene	<0.050		µg/L	0.050		4-Methyl-2-Pentanone (MIBK)	<0.50		µg/L	0.50
	Bromochloromethane	<0.050		µg/L	0.050		Methyl-t-butyl Ether (MtBE)	<0.050		µg/L	0.050
	Bromodichloromethane	<0.050		µg/L	0.050		Naphthalene	<0.032		µg/L	0.032
	Bromoform	<0.050		µg/L	0.050		n-Propylbenzene	<0.050		µg/L	0.050
	Bromomethane	<0.050		µg/L	0.050		Styrene	<0.050		µg/L	0.050
	t-Butanol (TBA)	<0.50		µg/L	0.50		1,1,1,2-Tetrachloroethane	<0.050		µg/L	0.050
	2-Butanone (MEK)	<0.50		µg/L	0.50		1,1,2,2-Tetrachloroethane	<0.05		µg/L	0.05
	n-Butylbenzene	<0.050		µg/L	0.050		Tetrachloroethene	<0.050		µg/L	0.050
	sec-Butylbenzene	<0.050		µg/L	0.050		Toluene	<0.050		µg/L	0.050
	tert-Butylbenzene	<0.050		µg/L	0.050		1,2,3-Trichlorobenzene	<0.050		µg/L	0.050
	Carbon Disulfide	<0.50		µg/L	0.50		1,2,4-Trichlorobenzene	<0.050		µg/L	0.050
	Carbon Tetrachloride	<0.025		µg/L	0.025		1,1,1-Trichloroethane	<0.050		µg/L	0.050
	Chlorobenzene	<0.050		µg/L	0.050		1,1,2-Trichloroethane	<0.050		µg/L	0.050
	Chloroethane	<0.050		µg/L	0.050		Trichloroethene	<0.050		µg/L	0.050
	Chloroform	<0.050		µg/L	0.050		1,2,3-Trichloropropane	<0.020		µg/L	0.020
	Chloromethane	<0.050		µg/L	0.050		Trichlorofluoromethane	<0.050		µg/L	0.050
	2-Chlorotoluene	<0.050		µg/L	0.050		Trichlorotrifluoroethane	<0.050		µg/L	0.050
	4-Chlorotoluene	<0.050		µg/L	0.050		1,2,4-Trimethylbenzene	<0.050		µg/L	0.050
	Dibromochloromethane	<0.050		µg/L	0.050		1,3,5-Trimethylbenzene	<0.050		µg/L	0.050
	1,2-Dibromoethane (EDB)	<0.020		µg/L	0.020		Vinyl Chloride	<0.025		µg/L	0.025
	1,2-Dibromo-3-Chloropropane	<0.020		µg/L	0.020		m,p-Xylenes	<0.10		µg/L	0.10
	Dibromomethane	<0.050		µg/L	0.050		o-Xylene	<0.050		µg/L	0.050
	1,2-Dichlorobenzene	<0.050		µg/L	0.050		Isopropanol (IPA)	<0.50		µg/L	0.50
	1,3-Dichlorobenzene	<0.050		µg/L	0.050						
	1,4-Dichlorobenzene	<0.050		µg/L	0.050						
	Dichlorodifluoromethane	<0.050		µg/L	0.050						
	1,1-Dichloroethane	<0.050		µg/L	0.050						
	1,2-Dichloroethane	<0.050		µg/L	0.050						
	1,1-Dichloroethene	<0.050		µg/L	0.050						
	cis-1,2-Dichloroethene	<0.050		µg/L	0.050						
	trans-1,2-Dichloroethene	<0.050		µg/L	0.050						
	1,2-Dichloropropane	<0.050		µg/L	0.050						
	1,3-Dichloropropane	<0.050		µg/L	0.050						
	2,2-Dichloropropane	<0.050		µg/L	0.050						
	1,1-Dichloropropene	<0.050		µg/L	0.050						
	cis-1,3-Dichloropropene	<0.050		µg/L	0.050						
	trans-1,3-Dichloropropene	<0.050		µg/L	0.050						
	Diisopropyl Ether (DIPE)	<0.050		µg/L	0.050						
	Ethylbenzene	<0.050		µg/L	0.050						
	Ethyl-t-Butyl Ether (EtBE)	<0.050		µg/L	0.050						
	Hexachlorobutadiene	<0.050		µg/L	0.050						
	2-Hexanone	<0.50		µg/L	0.50						



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 951-779-0310  
 www.arlaboratories.com

FAX 951-779-0344  
 office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES  
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

### QUALITY CONTROL DATA REPORT

L. JOSEPH ASSOCIATES, LLC  
 MICHAEL ANSELMO

**1706-00278**

<b>Date Reported</b>	<b>07/03/2017</b>
<b>Date Received</b>	<b>06/30/2017</b>
<b>Date Sampled</b>	<b>06/30/2017</b>

**Project: 24601 Raymond Way, Lake Forest CA**

*Respectfully Submitted:*

*Ken Zheng*

Ken Zheng - President

*For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.*





**A & R Laboratories**  
1650 S. Grove Ave., Ste C, Ontario, CA 91761  
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344  
E-mail: office@arllaboratories.com

# CHAIN OF CUSTODY

A & R Work Order #:

1706-278

Page 1 of 1

Client Name **GSA BWC. / L. JOSEPH + ASSOC.**  
E-mail **joseph.lc@gmail.com**  
Address **16950 Ave. De Santa Fe #1 CA 90272**  
Report Attention **Phone # (310) 573-5700**  
**040104** Fax: #  
Project **Fuma-Clean** Project Site **Raymond Way, Lake Forest**  
No./ Name **2** Sampled By **Alondra**

☐ Chilled  
☒ Intact  
☐ Seal

## Analyses Requested

- EPA8260B (VOCs & Oxygenates)
- EPA8260B(BTEX & Oxygenates)
- LUFT / 8015 (Gasoline)
- LUFT / 8015 (Diesel)
- EPA8081A (Organochlorine Pesticides)
- EPA 8082 (PCBs)
- EPA 8015M (Carbon Chain C4-C40)
- EPA 6010B/7000 (CAM 17 Metals)
- Micro: Plate Cnt., Coliform, E-Coli

Turn Around Time Requested

☐ Rush 8 12 24 48 Hours  
☐ Normal

Mobile

Remarks

3PV  
Sub

Lab # (Lab use)	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type & size of container										
		Date	Time				EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	
1	VP10 - 5	6/30/17	13:20	Air	NA	250 ml GAS	X									low flow
2	VP10 - 10		13:48													low flow
3	VP10 - 15		14:31													low flow
4	VP41 - 5		15:21													low flow
5	VP41 - 10		15:39													low flow
6	VP41 - 15		16:03													low flow
7	VP8 - 5		16:29													low flow
8	VP8 - 10		16:55													low flow
9	VP8 - 15		17:21													low flow
10	VP7 - 5		17:44													low flow
11	VP7 - 10		18:08													low flow
12	VP7 - 15		18:32													low flow
13	VP11 - 5		18:52													low flow
14	VP11 - 10		19:21													low flow
15	VP11 - 15		19:46													low flow
16	VP11 - 15 DUF		19:46													low flow

Relinquished By **GSA** Date **6/30/17** Time **19:30** Received By **Alondra** Company **A&R** Date **6/30/17** Time **19:30**

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water SL=Sludge IC=Ice SH=NaOH \* Sample Container Types: B= Brass Tube E= Encore  
GW=Ground Water SS=Soil/Sediment HC=HCl T= Tedlar Air Bag P= Plastic Bottle  
WW=Waste Water AR=Air HN=HNO3 HS=H2SO4 ST= Steel Tube V=VOA Vial  
SD=Solid Waste PP=Pure Product

## **APPENDIX E**

# Department of Toxic Substances Control Vapor Intrusion Screening Model - Soil Gas

## DATA ENTRY SHEET

Scenario: Commercial  
Chemical: Tetrachloroethylene

Reset to  
Defaults

Soil Gas Concentration Data				
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., $C_g$ ( $\mu\text{g}/\text{m}^3$ )	OR	ENTER Soil gas conc., $C_g$ (ppmv)	Chemical
127184	1.30E+04			Tetrachloroethylene

Results Summary				
Soil Gas Conc. ( $\mu\text{g}/\text{m}^3$ )	Attenuation Factor (unitless)	Indoor Air Conc. ( $\mu\text{g}/\text{m}^3$ )	Cancer Risk	Noncancer Hazard
1.30E+04	4.7E-04	6.1E+00	2.9E-06	4.0E-02

MORE  
↓

ENTER Depth below grade to bottom of enclosed space floor, $L_F$ (15 or 200 cm)	ENTER Soil gas sampling depth below grade, $L_s$ (cm)	ENTER Average soil temperature, $T_s$ (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, $k_v$ ( $\text{cm}^2$ )
15	152.5	24	LS		

MORE  
↓

ENTER Vadose zone SCS soil type  Lookup Soil Parameters	ENTER Vadose zone soil dry bulk density, $\rho_b^A$ ( $\text{g}/\text{cm}^3$ )	ENTER Vadose zone soil total porosity, $n^V$ (unitless)	ENTER Vadose zone soil water-filled porosity, $\theta_w^V$ ( $\text{cm}^3/\text{cm}^3$ )	ENTER Average vapor flow rate into bldg. (Leave blank to calculate)  $Q_{\text{soil}}$ (L/m)
LS	1.62	0.39	0.076	5

MORE  
↓

Lookup Receptor  
Parameters

ENTER Averaging time for carcinogens, $AT_C$ (yrs)	ENTER Averaging time for noncarcinogens, $AT_{NC}$ (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH ( $\text{hour}^{-1}$ )
70	25	25	250	8 (NEW)	1 (NEW)

NEW=> Commercial

END

## Department of Toxic Substances Control Vapor Intrusion Screening Model - Soil Gas

### DATA ENTRY SHEET

Scenario: Commercial  
Chemical: Tetrachloroethylene

Reset to  
Defaults

Soil Gas Concentration Data				
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., $C_g$ ( $\mu\text{g}/\text{m}^3$ )	OR	ENTER Soil gas conc., $C_g$ (ppmv)	Chemical
127184	1.60E+04			Tetrachloroethylene

Results Summary				
Soil Gas Conc. ( $\mu\text{g}/\text{m}^3$ )	Attenuation Factor (unitless)	Indoor Air Conc. ( $\mu\text{g}/\text{m}^3$ )	Cancer Risk	Noncancer Hazard
1.60E+04	2.8E-04	4.4E+00	2.1E-06	2.9E-02

MORE  
↓

ENTER Depth below grade to bottom of enclosed space floor, $L_F$ (15 or 200 cm)	ENTER Soil gas sampling depth below grade, $L_s$ (cm)	ENTER Average soil temperature, $T_s$ (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, $k_v$ ( $\text{cm}^2$ )
15	305	24	LS		

MORE  
↓

ENTER Vadose zone SCS soil type  Lookup Soil Parameters	ENTER Vadose zone soil dry bulk density, $\rho_b^A$ ( $\text{g}/\text{cm}^3$ )	ENTER Vadose zone soil total porosity, $n^V$ (unitless)	ENTER Vadose zone soil water-filled porosity, $\theta_w^V$ ( $\text{cm}^3/\text{cm}^3$ )	ENTER Average vapor flow rate into bldg. (Leave blank to calculate)  $Q_{\text{soil}}$ (L/m)
LS	1.62	0.39	0.076	5

MORE  
↓

Lookup Receptor  
Parameters

ENTER Averaging time for carcinogens, $AT_C$ (yrs)	ENTER Averaging time for noncarcinogens, $AT_{NC}$ (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH ( $\text{hour}^{-1}$ )
70	25	25	250	8 (NEW)	1 (NEW)

NEW=> Commercial

END

# Department of Toxic Substances Control Vapor Intrusion Screening Model - Soil Gas

## DATA ENTRY SHEET

Scenario: Commercial  
Chemical: Tetrachloroethylene

Reset to  
Defaults

Soil Gas Concentration Data				
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C <sub>g</sub> (µg/m <sup>3</sup> )	OR	ENTER Soil gas conc., C <sub>g</sub> (ppmv)	Chemical
127184	3.50E+04			Tetrachloroethylene

Results Summary				
Soil Gas Conc. (µg/m <sup>3</sup> )	Attenuation Factor (unitless)	Indoor Air Conc. (µg/m <sup>3</sup> )	Cancer Risk	Noncancer Hazard
3.50E+04	2.0E-04	6.9E+00	3.3E-06	4.5E-02

MORE  
↓

ENTER Depth below grade to bottom of enclosed space floor, L <sub>F</sub> (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L <sub>s</sub> (cm)	ENTER Average soil temperature, T <sub>s</sub> (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k <sub>v</sub> (cm <sup>2</sup> )
15	457.5	24	LS		

MORE  
↓

ENTER Vadose zone SCS soil type  Lookup Soil Parameters	ENTER Vadose zone soil dry bulk density, ρ <sub>b</sub> <sup>A</sup> (g/cm <sup>3</sup> )	ENTER Vadose zone soil total porosity, n <sup>V</sup> (unitless)	ENTER Vadose zone soil water-filled porosity, θ <sub>w</sub> <sup>V</sup> (cm <sup>3</sup> /cm <sup>3</sup> )	ENTER Average vapor flow rate into bldg. (Leave blank to calculate)  Q <sub>soil</sub> (L/m)
LS	1.62	0.39	0.076	5

MORE  
↓

Lookup Receptor  
Parameters

ENTER Averaging time for carcinogens, AT <sub>C</sub> (yrs)	ENTER Averaging time for noncarcinogens, AT <sub>NC</sub> (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure Time ET (hrs/day)	ENTER Air Exchange Rate ACH (hour) <sup>-1</sup>
70	25	25	250	8 (NEW)	1 (NEW)

NEW=> Commercial

END