



**EDR™** Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Schweickert Residence  
515 South Livermore Avenue  
Livermore, CA 94550**

**Inquiry Number: 1155815.2s**

**March 23, 2004**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06460

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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

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# GETTLER-RYAN INC.

April 6, 2004

To Whom It May Concern:

The following is an independent questionnaire regarding the possible existence of wells within 500 feet of 515 South Livermore Avenue, Livermore, California. The reason for this survey is to establish a list of potential receptors in the area. The attached map shows the location of the subject property in relation to your property. Please fill out the following information to the best of your knowledge. If you do not know, just mark it "UNKNOWN". Even if you don't have a well, please fill out the information for questions 1 through 3, so we can demonstrate to the County that you were contacted. Should you have any questions, please contact Mr. Robert Lauritzen, at Gettler-Ryan Incorporated, at 916-631-1300 (ext 18), or Ms. Roseanne Garcia-Lagrange, at Alameda County Environmental Health Services, at 925-447-2532. Thank you for your cooperation.

- 1) Tenant name: Joe Rosa Phone No. 925-443-0623  
Address: 672 S H ST
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

Thank you for your assistance. Please return this questionnaire in the enclosed stamped envelope. We would appreciate a response by April 14, 2004. If you have any other information regarding wells in the area, please note this in the comment section. Feel free to continue your comments on the other side of this sheet.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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- 1) Tenant name: Brent Lin Phone No. 925-447-2464  
Address: 2545 East Ave. suite A Livermore CA 94550
- 2) Owner name: (if other than tenant): Brent Lin  
Phone: same Address: same
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: NA 5) Well diameter: NA
- 6) Well depth: NA
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other NA
- 8) Date of installation: NA
- 9) Frequency of use: NA
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other NA

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
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- 1) Tenant name: Mr and Mrs Steve Azavedo Phone No. 925 443-9594  
Address: 543 South Livermore Ave Livermore
- 2) Owner name: (if other than tenant): SAME  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: NA 5) Well diameter: NA
- 6) Well depth: NA
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other NA
- 8) Date of installation: NA
- 9) Frequency of use: NA
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other NA

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Comments: please send us all reports  
Thank you  
Kathleen & Steve Azavedo



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- 1) Tenant name: JOE GLADNY Phone No. 925 947 4188  
Address: 2391 FIFTH STREET
- 2) Owner name: (if other than tenant): GLADNY TRUST  
Phone: SAM Address: SANRA
- 3) Is there a well on the property?: (circle one) Yes  **No**  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic steel brick/clay Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping monitor groundwater household use  
Other \_\_\_\_\_

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Comments: HOUSE WAS BUILT IN 1888. DON'T KNOW  
ORIGINAL WATER SOURCE



# GETTLER - RYAN INC.

April 6, 2004

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- 1) Tenant name: Barry Montgomery Phone No. 449-1571  
Address: 2331 4th St, Livermore
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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- 1) <sup>OWNER</sup> Tenant name: Lloyd Straight Phone No. 925-447-4108  
Address: 2324 5th Street
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic steel brick/clay Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping monitor groundwater household use  
Other \_\_\_\_\_

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
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- 1) Tenant name: Dennis & Shari Swanson Phone No. 925-443-9763  
Address: 485 So. H Swanson
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

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Comments: If there was a well ever, we  
don't know about it.



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- 1) Tenant name: \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address: 2536 - 2552 SIXTH ST
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
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- 1) Tenant name: CAROL DUTCHER Phone No. 925-998-3656  
Address: 2433 SIXTH ST, LIVERMORE, CA
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

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Comments: \_\_\_\_\_  
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- 1) Tenant name: owner occupied <sup>[normally]</sup> Phone No. 925-447-5065  
Address: 2317 - 6<sup>th</sup> St
- 2) Owner name: (if other than tenant): BARBARA S. BUNSHAH  
Phone: 925-447-5065 Address: 2317 - 6<sup>th</sup> ST Liver
- 3) Is there a well on the property?: (circle one) Yes No I don't know There once was, it  
shows on old Sanborn maps
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: is now sealed under  
the NE corner of the  
back patio
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic steel brick/clay Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping monitor groundwater household use  
Other \_\_\_\_\_

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Comments: I enclose my card as Curator of The Heritage  
Center where we have photocopies of some original of  
other Sanborn maps 1887-1932  
B.S. Bunshah



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- 1) Tenant name: BARBARA S. BUNSHAH Phone No (925) - 447-5065  
Address: 2387 - 6<sup>th</sup> ST
- 2) Owner name: (if other than tenant): AVR Properties  
Phone (925) - 447-2367 Address: 1332 Conannon Blvd. Livermore
- 3) Is there a well on the property?: (circle one) Yes No I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic steel brick/clay Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping monitor groundwater household use  
Other \_\_\_\_\_

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Comments: \_\_\_\_\_  
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- 1) Tenant name: Brent Ln Phone No. 447-2464  
Address: 2093 East Ave. Livermore
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: NA 5) Well diameter: NA
- 6) Well depth: NA
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other NA
- 8) Date of installation: NA
- 9) Frequency of use: NA
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other NA

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
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- 1) Tenant name: Rich & Clarissa Keenan Phone No. 925 449 4460  
Address: 2342 Sixth St Livermore CA 94550
- 2) Owner name: (if other than tenant): same as above  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
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Comments: \_\_\_\_\_  
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- 1) Tenant name: Dorothy M. Mello Phone No. 925-447-1073  
Address: 2359 Fifth Street, Livermore, Calif. 94550-4622
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  No  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic steel brick/clay Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping monitor groundwater household use  
Other \_\_\_\_\_

Thank you for your assistance. Please return this questionnaire in the enclosed stamped envelope. We would appreciate a response by April 14, 2004. If you have any other information regarding wells in the area, please note this in the comment section. Feel free to continue your comments on the other side of this sheet.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# GETTLER-RYAN INC.

April 6, 2004

To Whom It May Concern:

The following is an independent questionnaire regarding the possible existence of wells within 500 feet of 515 South Livermore Avenue, Livermore, California. The reason for this survey is to establish a list of potential receptors in the area. The attached map shows the location of the subject property in relation to your property. Please fill out the following information to the best of your knowledge. If you do not know, just mark it "UNKNOWN". Even if you don't have a well, please fill out the information for questions 1 through 3, so we can demonstrate to the County that you were contacted. Should you have any questions, please contact Mr. Robert Lauritzen, at Gettler-Ryan Incorporated, at 916-631-1300 (ext 18), or Ms. Roseanne Garcia-Lagrange, at Alameda County Environmental Health Services, at 925-447-2532. Thank you for your cooperation.

- 1) Tenant name: Jeff & Jane Durant Phone No. 371-6228  
Address: 609 S. Livermore Ave.
- 2) Owner name: (if other than tenant): \_\_\_\_\_  
Phone: \_\_\_\_\_ Address: \_\_\_\_\_
- 3) Is there a well on the property?: (circle one) Yes  **No**  I don't know
- 4) Number of wells: \_\_\_\_\_ 5) Well diameter: \_\_\_\_\_
- 6) Well depth: \_\_\_\_\_
- 7) Well material: (circle one) PVC plastic  steel  brick/clay  Other \_\_\_\_\_
- 8) Date of installation: \_\_\_\_\_
- 9) Frequency of use: \_\_\_\_\_
- 10) Use of water from well: (circle one) water landscaping  monitor groundwater  household use   
Other \_\_\_\_\_

Thank you for your assistance. Please return this questionnaire in the enclosed stamped envelope. We would appreciate a response by April 14, 2004. If you have any other information regarding wells in the area, please note this in the comment section. Feel free to continue your comments on the other side of this sheet.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

515 SOUTH LIVERMORE AVENUE  
LIVERMORE, CA 94550

#### COORDINATES

Latitude (North): 37.679500 - 37° 40' 46.2"  
Longitude (West): 121.764400 - 121° 45' 51.8"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 608957.7  
UTM Y (Meters): 4170769.2  
Elevation: 505 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 37121-F7 LIVERMORE, CA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
SCHWEICKERT PROPERTY 515 LIVERMORE AVE LIVERMORE, CA	LUST	N/A

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable " ) government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

## EXECUTIVE SUMMARY

<b>CORRACTS</b> .....	Corrective Action Report
<b>RCRIS-TSD</b> .....	Resource Conservation and Recovery Information System
<b>RCRIS-LQG</b> .....	Resource Conservation and Recovery Information System
<b>ERNS</b> .....	Emergency Response Notification System

### STATE ASTM STANDARD

<b>AWP</b> .....	Annual Workplan Sites
<b>Cal-Sites</b> .....	Calsites Database
<b>CHMIRS</b> .....	California Hazardous Material Incident Report System
<b>Toxic Pits</b> .....	Toxic Pits Cleanup Act Sites
<b>SWF/LF</b> .....	Solid Waste Information System
<b>WMUDS/SWAT</b> .....	Waste Management Unit Database
<b>CA BOND EXP. PLAN</b> .....	Bond Expenditure Plan
<b>VCP</b> .....	Voluntary Cleanup Program Properties
<b>INDIAN LUST</b> .....	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b> .....	Underground Storage Tanks on Indian Land

### FEDERAL ASTM SUPPLEMENTAL

<b>CONSENT</b> .....	Superfund (CERCLA) Consent Decrees
<b>ROD</b> .....	Records Of Decision
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>FINDS</b> .....	Facility Index System/Facility Identification Initiative Program Summary Report
<b>HMIRS</b> .....	Hazardous Materials Information Reporting System
<b>MLTS</b> .....	Material Licensing Tracking System
<b>MINES</b> .....	Mines Master Index File
<b>NPL Liens</b> .....	Federal Superfund Liens
<b>PADS</b> .....	PCB Activity Database System
<b>DOD</b> .....	Department of Defense Sites
<b>US BROWNFIELDS</b> .....	A Listing of Brownfields Sites
<b>RAATS</b> .....	RCRA Administrative Action Tracking System
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act
<b>SSTS</b> .....	Section 7 Tracking Systems
<b>FTTS INSP</b> .....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

<b>AST</b> .....	Aboveground Petroleum Storage Tank Facilities
<b>CLEANERS</b> .....	Cleaner Facilities
<b>CA WDS</b> .....	Waste Discharge System
<b>DEED</b> .....	List of Deed Restrictions
<b>NFA</b> .....	No Further Action Determination
<b>REF</b> .....	Unconfirmed Properties Referred to Another Agency
<b>SCH</b> .....	School Property Evaluation Program
<b>NFE</b> .....	Properties Needing Further Evaluation
<b>CA SLIC</b> .....	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

### BROWNFIELDS DATABASES

<b>US BROWNFIELDS</b> .....	A Listing of Brownfields Sites
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# EXECUTIVE SUMMARY

VCP..... Voluntary Cleanup Program Properties

## EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

## FEDERAL ASTM STANDARD

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 01/12/2004 has revealed that there are 4 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SHELL OIL CO</i></b>	<b><i>318 S. LIVERMORE</i></b>	<b><i>0 - 1/8 NW</i></b>	<b><i>C9</i></b>	<b><i>13</i></b>
<b><i>PACIFIC BELL</i></b>	<b><i>2324 SECOND STREET</i></b>	<b><i>1/8 - 1/4NW</i></b>	<b><i>F24</i></b>	<b><i>24</i></b>
<b><i>PACIFIC BELL</i></b>	<b><i>2388 SECOND STREET</i></b>	<b><i>1/8 - 1/4NW</i></b>	<b><i>H31</i></b>	<b><i>28</i></b>
<b><i>BOSTROM'S LIVERMORE AUTO BODY</i></b>	<b><i>2462 2ND STREET</i></b>	<b><i>1/8 - 1/4NNW</i></b>	<b><i>33</i></b>	<b><i>32</i></b>

## STATE ASTM STANDARD

**CORTESE:** This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all

## EXECUTIVE SUMMARY

solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 13 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ROBERT &amp; EDNA CARPENTER</b>	<b>524 S LIVERMORE AVE</b>	<b>0 - 1/8 SE</b>	<b>3</b>	<b>6</b>
<b>UNOCAL</b>	<b>900 LIVERMORE AVE S</b>	<b>1/4 - 1/2 SE</b>	<b>J42</b>	<b>42</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>PACIFIC BELL</b>	<b>2388 SECOND STREET</b>	<b>1/8 - 1/4 NW</b>	<b>H31</b>	<b>28</b>
<b>MOBIL MINI MART</b>	<b>101 J</b>	<b>1/4 - 1/2 WNW</b>	<b>34</b>	<b>35</b>
<b>J &amp; W DEVELOPMENT</b>	<b>300 WOOD</b>	<b>1/4 - 1/2 N</b>	<b>I36</b>	<b>39</b>
<b>J &amp; W DEVELOPMENT</b>	<b>2920 4TH ST</b>	<b>1/4 - 1/2 NNE</b>	<b>K44</b>	<b>44</b>
<b>LIVERMORE CITY OF</b>	<b>2500 RAILROAD AVE</b>	<b>1/4 - 1/2 NNW</b>	<b>48</b>	<b>47</b>
<b>LIVERMORE GERMAN AUTO</b>	<b>2730 OLD 1ST ST</b>	<b>1/4 - 1/2 N</b>	<b>49</b>	<b>49</b>
<b>LIVERMORE AGRICULTURAL OF</b>	<b>2418 RAILROAD</b>	<b>1/4 - 1/2 NW</b>	<b>N54</b>	<b>52</b>
<b>BEACON</b>	<b>2620 OLD 1ST ST E</b>	<b>1/4 - 1/2 N</b>	<b>O57</b>	<b>53</b>
<b>DESERT PETROLEUM BP</b>	<b>2008 1ST ST</b>	<b>1/4 - 1/2 WNW</b>	<b>P61</b>	<b>56</b>
<b>GROTH BROS OLDSMOBILE INC</b>	<b>59 SOUTH L STREET</b>	<b>1/4 - 1/2 WNW</b>	<b>Q63</b>	<b>59</b>
<b>LIDLAW TRANSIT INC</b>	<b>2900 LADD AVE</b>	<b>1/4 - 1/2 N</b>	<b>U76</b>	<b>70</b>

**NOTIFY 65:** Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NONE	330 WOOD	1/4 - 1/2 NNE	37	39
NONE	2920 4TH	1/4 - 1/2 NNE	K45	45
ARROW RENTALS	187 NORTH L STREET	1/2 - 1 WNW	79	72
MOSC, PAUL'S SPARKLE CLEANERS	1332 RAILROAD AVENUE	1/2 - 1 W	81	74

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/02/2003 has revealed that there are 16 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ROBERT &amp; EDNA CARPENTER</b>	<b>524 S LIVERMORE AVE</b>	<b>0 - 1/8 SE</b>	<b>3</b>	<b>6</b>
<b>UNOCAL</b>	<b>900 LIVERMORE AVE S</b>	<b>1/4 - 1/2 SE</b>	<b>J42</b>	<b>42</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DEL VALLE CONTINUATION HIGH SC</b>	<b>2253 5TH ST</b>	<b>1/8 - 1/4 WSW</b>	<b>13</b>	<b>14</b>
<b>PACIFIC BELL</b>	<b>2388 SECOND STREET</b>	<b>1/8 - 1/4 NW</b>	<b>H31</b>	<b>28</b>
<b>MOBIL MINI MART</b>	<b>101 J</b>	<b>1/4 - 1/2 WNW</b>	<b>34</b>	<b>35</b>
<b>J &amp; W DEVELOPMENT</b>	<b>330 WOOD ST</b>	<b>1/4 - 1/2 NNE</b>	<b>I40</b>	<b>40</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>J &amp; W DEVELOPMENT</b>	<b>2920 4TH ST</b>	<b>1/4 - 1/2NNE</b>	<b>K44</b>	<b>44</b>
<b>LIVERMORE CITY OF</b>	<b>2500 RAILROAD AVE</b>	<b>1/4 - 1/2NNW</b>	<b>48</b>	<b>47</b>
<b>LIVERMORE GERMAN AUTO</b>	<b>2730 OLD 1ST ST</b>	<b>1/4 - 1/2N</b>	<b>49</b>	<b>49</b>
DESERT PETROLEUM	2008 1ST ST	1/4 - 1/2WNW	M51	51
<b>BEACON</b>	<b>2620 OLD 1ST ST E</b>	<b>1/4 - 1/2N</b>	<b>O57</b>	<b>53</b>
<b>DESERT PETROLEUM BP</b>	<b>2008 1ST ST</b>	<b>1/4 - 1/2WNW</b>	<b>P61</b>	<b>56</b>
<b>GROTH BROS OLDSMOBILE INC</b>	<b>59 SOUTH L STREET</b>	<b>1/4 - 1/2WNW</b>	<b>Q63</b>	<b>59</b>
GROTH BROS OLDSMOBILE	59 L ST	1/4 - 1/2WNW	Q64	63
<b>LIDLAW TRANSIT INC</b>	<b>2900 LADD AVE</b>	<b>1/4 - 1/2N</b>	<b>U76</b>	<b>70</b>
UNOCAL #4186	1771 1ST ST	1/4 - 1/2W	V78	72

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

A review of the UST list, as provided by EDR, and dated 04/02/2003 has revealed that there are 4 UST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARCO 498	286 S LIVERMORE AVE	1/8 - 1/4NW	C12	14
PACIFIC BELL PE016	2388 SECOND ST	1/8 - 1/4NW	H30	28
B&C GAS MINI MART	2008 FIRST STREET	1/4 - 1/2WNW	M52	51
TOSCO CORP 254186/4186/30615	1771 FIRST STREET	1/4 - 1/2W	V77	72

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

A review of the CA FID UST list, as provided by EDR, has revealed that there are 17 CA FID UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALLAN HYNE	792 S I ST	1/8 - 1/4S	G28	27
CLIFFORD A. BATES	887 S LIVERMORE AVE	1/4 - 1/2SE	J39	39
<b>UNOCAL SVC STA #4667</b>	<b>900 SO LIVERMORE AVE</b>	<b>1/4 - 1/2SE</b>	<b>J41</b>	<b>41</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>LIVERMORE AUTO &amp; TIRE CORP</b>	<b>167 S LIVERMORE AVE</b>	<b>1/8 - 1/4NW</b>	<b>F27</b>	<b>26</b>
<b>PACIFIC BELL</b>	<b>2388 SECOND STREET</b>	<b>1/8 - 1/4NW</b>	<b>H31</b>	<b>28</b>
VEL HEATING & PLUMBING	2326 001ST ST	1/4 - 1/2WNW	43	43
AUTO LUBE	2654 FIRST ST	1/4 - 1/2NNW	L53	51
<b>LIVERMORE AGRICULTURAL OF</b>	<b>2418 RAILROAD</b>	<b>1/4 - 1/2NW</b>	<b>N54</b>	<b>52</b>
<b>LIVERMORE CORPORATION YARD</b>	<b>2376 RAILROAD AVE</b>	<b>1/4 - 1/2NW</b>	<b>N55</b>	<b>52</b>
BEACON #719	2620 E OLD 1ST ST	1/4 - 1/2N	O58	55
<b>PIT STOP AUTO REPAIR</b>	<b>2680 OLD FIRST ST</b>	<b>1/4 - 1/2N</b>	<b>62</b>	<b>58</b>
<b>GROTH BROS OLDSMOBILE INC</b>	<b>59 SOUTH L STREET</b>	<b>1/4 - 1/2WNW</b>	<b>Q63</b>	<b>59</b>
DON-SUL INC.	187 N I ST	1/4 - 1/2NNW	R66	63
ASSOCIATED ELECTRONICS CO.	233 JUNCTION AVE	1/4 - 1/2N	S67	63
DESERT PETROLEUM	2008 001ST ST	1/4 - 1/2WNW	70	67
CORPORATION YARD	2801 LADD AVE	1/4 - 1/2N	T71	67
<b>LIDLAW TRANSIT INC</b>	<b>2900 LADD AVE</b>	<b>1/4 - 1/2N</b>	<b>U76</b>	<b>70</b>

## EXECUTIVE SUMMARY

**HIST UST:** Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 17 HIST UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALLAN HYNE	792 S I ST	1/8 - 1/4 S	G29	28
CLIFFORD A. BATES	887 S LIVERMORE AVE	1/4 - 1/2 SE	J38	39
UNOCAL SVC STA #4667	900 SO LIVERMORE AVE	1/4 - 1/2 SE	J41	41
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FRANK WYOO	318 S LIVERMORE AVE	0 - 1/8 NW	C7	11
CRAIG A HUMRICHOUSE	286 S LIVERMORE AVE	1/8 - 1/4 NW	C11	14
LIVERMORE AUTO & TIRE CORP	167 S LIVERMORE AVE	1/8 - 1/4 NW	F26	26
PACIFIC BELL	2388 SECOND STREET	1/8 - 1/4 NW	H31	28
FAST GAS	2620 E. OLD FIRST STREET	1/4 - 1/2 NNW	L50	51
LIVERMORE CORPORATION YARD	2376 RAILROAD AVE	1/4 - 1/2 NW	56	53
GASCO SERVICE STATION #795	2008 1ST ST	1/4 - 1/2 WNW	P60	56
PIT STOP AUTO REPAIR	2680 OLD FIRST ST	1/4 - 1/2 N	62	58
GROTH BROS OLDSMOBILE INC	59 SOUTH L STREET	1/4 - 1/2 WNW	Q63	59
DON-SUL INC.	187 NO "I" ST.	1/4 - 1/2 NNW	R65	63
ASSOCIATED ELECTRONICS CO.	233 JUNCTION AVE	1/4 - 1/2 N	S68	64
CORPORATION YARD	2801 LADD AVE	1/4 - 1/2 N	T72	67
ARA TRANSPORTATION	2900 LADD AVE	1/4 - 1/2 N	U74	70
TRANSPORTATION GARAGE	2900 LADD AVE	1/4 - 1/2 N	U75	70

### STATE OR LOCAL ASTM SUPPLEMENTAL

**Emissions Inventory Data:** Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2001 has revealed that there are 13 EMI sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TRI-VALLEY ROP	600 MAPLE STREET	1/8 - 1/4 ENE	D15	17
PACIFIC AVENUE CLEANERS	3018 PACIFIC AVENUE	1/4 - 1/2 SE	59	55
CALIFORNIA REFLECTIONS	3575 1ST STREET, SUITE	1/2 - 1 NNE	80	73
TRI-VALLEY AUTOBODY	3561 1ST STREET	1/2 - 1 NE	82	74
LIVERMORE CREMATORY	3833 EAST AVENUE	1/2 - 1 E	83	75
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BOSTROM'S LIVERMORE AUTO BODY	2462 2ND STREET	1/8 - 1/4 NNW	33	32
RED'S LIVERMORE BODY SHOP	222 CHURCH STREET	1/4 - 1/2 N	35	36
LIVERMORE COLLISION CENTER, IN	2966 4TH STREET	1/4 - 1/2 NNE	K46	46
QUALITY CLEANERS	2048 1ST STREET	1/4 - 1/2 WNW	47	47
GROTH BROS OLDSMOBILE INC	59 SOUTH L STREET	1/4 - 1/2 WNW	Q63	59
PURITY CLEANERS & LAUNDRY INC	183 N LIVERMORE	1/4 - 1/2 NW	69	65
J CLEANERS	2093 RAILROAD AVENUE	1/4 - 1/2 WNW	73	68
VALLEY MEMORIAL HOSPITAL	1111 EAST STANLEY BLVD	1/2 - 1 W	84	76

## EXECUTIVE SUMMARY

**HAZNET:** The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 22 HAZNET sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DARRYL H MAILANDER DMD, A PROF	2545 E AVENUE	0 - 1/8 NE	4	8
LVJUSD LIVERMORE HIGHSCHOOL	600 MAPLE STREET	1/8 - 1/4 NE	D14	16
GLENN E. URBAN, D.D.S., INC.	2807 E. AVENUE	1/8 - 1/4 E	E20	20
JACK A OWENS D.D.S.	2815 E. AVENUE	1/8 - 1/4 E	E21	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CLIFFORD POTTHOFF	454 S LIVERMORE	0 - 1/8 NW	A2	6
DR JEFFREY MILES & DR KENNETH	2418 EAST AVE	0 - 1/8 NW	B5	8
DAVID E. RYCHEL DDS	2418 EAST AVE	0 - 1/8 NW	B6	10
<b>FRANK WYOO</b>	<b>318 S LIVERMORE AVE</b>	<b>0 - 1/8 NW</b>	<b>C7</b>	<b>11</b>
EQUILON ENTERPRISES LLC	318 S LIVERMORE	0 - 1/8 NW	C8	11
ARCO PRODUCTS COMPANY	286 S LIVERMORE AVENUE	1/8 - 1/4 NW	C10	13
<b>CRAIG A HUMRICHOUSE</b>	<b>286 S LIVERMORE AVE</b>	<b>1/8 - 1/4 NW</b>	<b>C11</b>	<b>14</b>
ST MICHAEL'S CHURCH	458 MAPLE ST	1/8 - 1/4 NNE	16	18
MAXINE FASCALINI TRUSTEE	286 MCLEOD	1/8 - 1/4 NNW	17	18
LIVERMORE CHIROPRACTIC	2257 THIRD STREET	1/8 - 1/4 WNW	18	19
US POSTAL SERVICE	220 S LIVERMORE AVE	1/8 - 1/4 NW	19	20
BARBARA CRETAN DDS	2221 THIRD ST	1/8 - 1/4 WNW	22	22
DR. GERARD DEBRUIN, DDS INC	2165 FOURTH ST.	1/8 - 1/4 W	23	23
PACIFIC TELEPHONE AND TELEGRAP	2324 SECOND STREET	1/8 - 1/4 NW	F25	24
<b>LIVERMORE AUTO &amp; TIRE CORP</b>	<b>167 S LIVERMORE AVE</b>	<b>1/8 - 1/4 NW</b>	<b>F27</b>	<b>26</b>
<b>PACIFIC BELL</b>	<b>2388 SECOND STREET</b>	<b>1/8 - 1/4 NW</b>	<b>H31</b>	<b>28</b>
BRADLEY SIELES	556 SOUTH K ST	1/8 - 1/4 WSW	32	32
<b>BOSTROM'S LIVERMORE AUTO BODY</b>	<b>2462 2ND STREET</b>	<b>1/8 - 1/4 NNW</b>	<b>33</b>	<b>32</b>

### EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

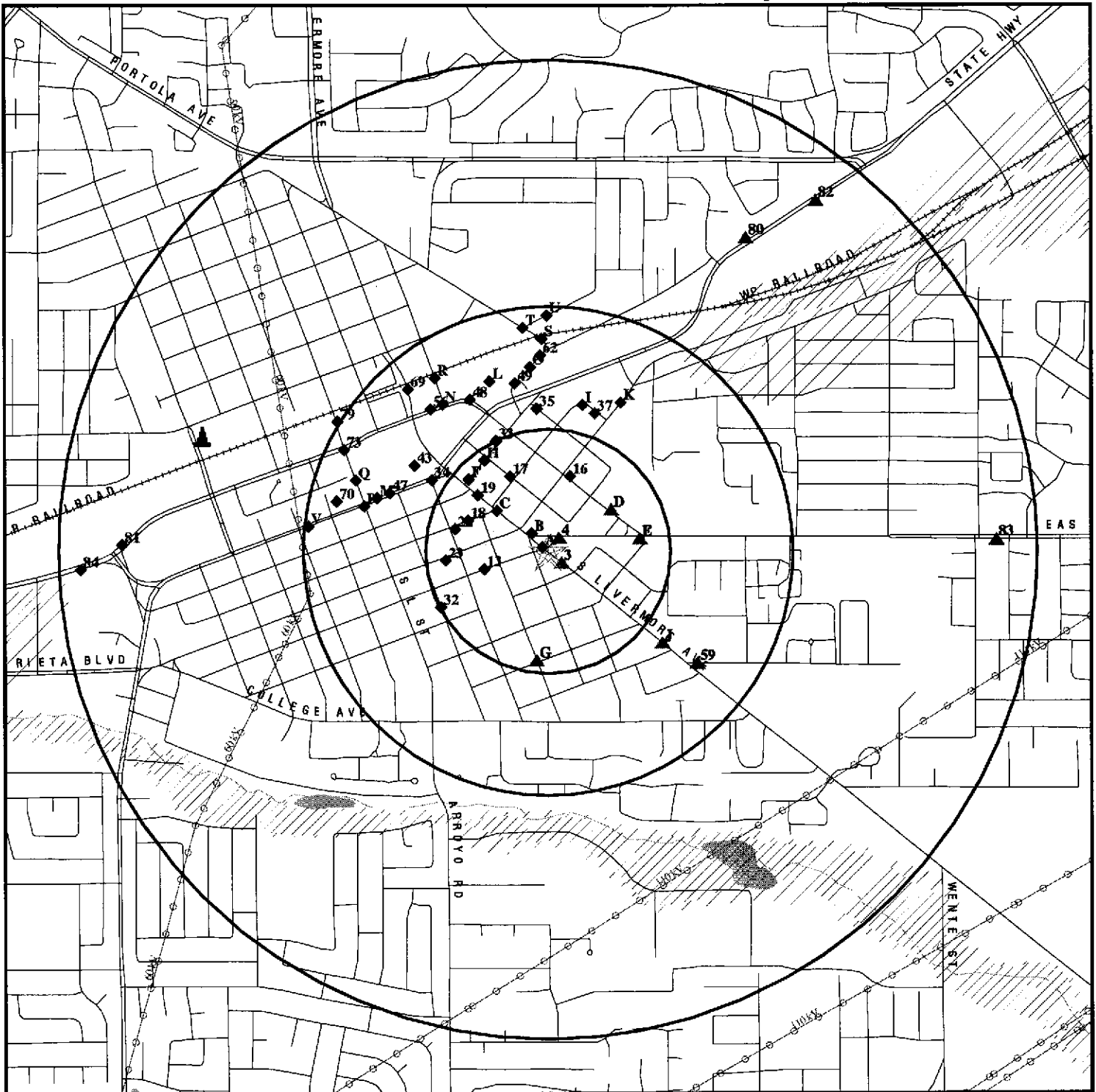


## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
LIVERMORE SENIOR HOUSING	DEED, VCP
I 580 AT NORTH LIVERMORE EXIT	LUST, CHMIRS
1ST ST AT NORTH MINES RD	LUST, CHMIRS
EL DORADO MOTEL	LUST, Cortese
CHEVRON	LUST, Cortese
HELMICK RESIDENCE	HAZNET, LUST, Cortese
PG&E GAS PLANT LIVERMORE	CERC-NFRAP
CALIFORNIA WATER SERV WELL #10-01	CERC-NFRAP
DEL VALLE RESERVOIR DS	SWF/LF
CHEVRON	LUST
UNOCAL #4667	LUST
CITY OF LIVERMORE CORPORATION YARD	HAZNET, LUST
RYNCK TIRE CENTER	LUST
RYNCK TIRE	LUST
BEACON #3604	LUST
NORTH K ASSOCIATES	LUST
NORTH K ASSOCIATES	LUST
SANDIA NATIONAL LABORATORIES	HIST UST
LAWRENCE LIVERMORE NATIONAL LAB	HAZNET
LIVERMORE DENTAL CARE	HAZNET
SPEEDY OIL CHANGE & TUNE UP	HAZNET
RON'S AUTO REPAIR	HAZNET
ENXCO INC	HAZNET

# OVERVIEW MAP - 1155815.2s - Gettler-Ryan



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ▨ National Priority List Sites
- ▩ Landfill Sites
- ▧ Dept. Defense Sites



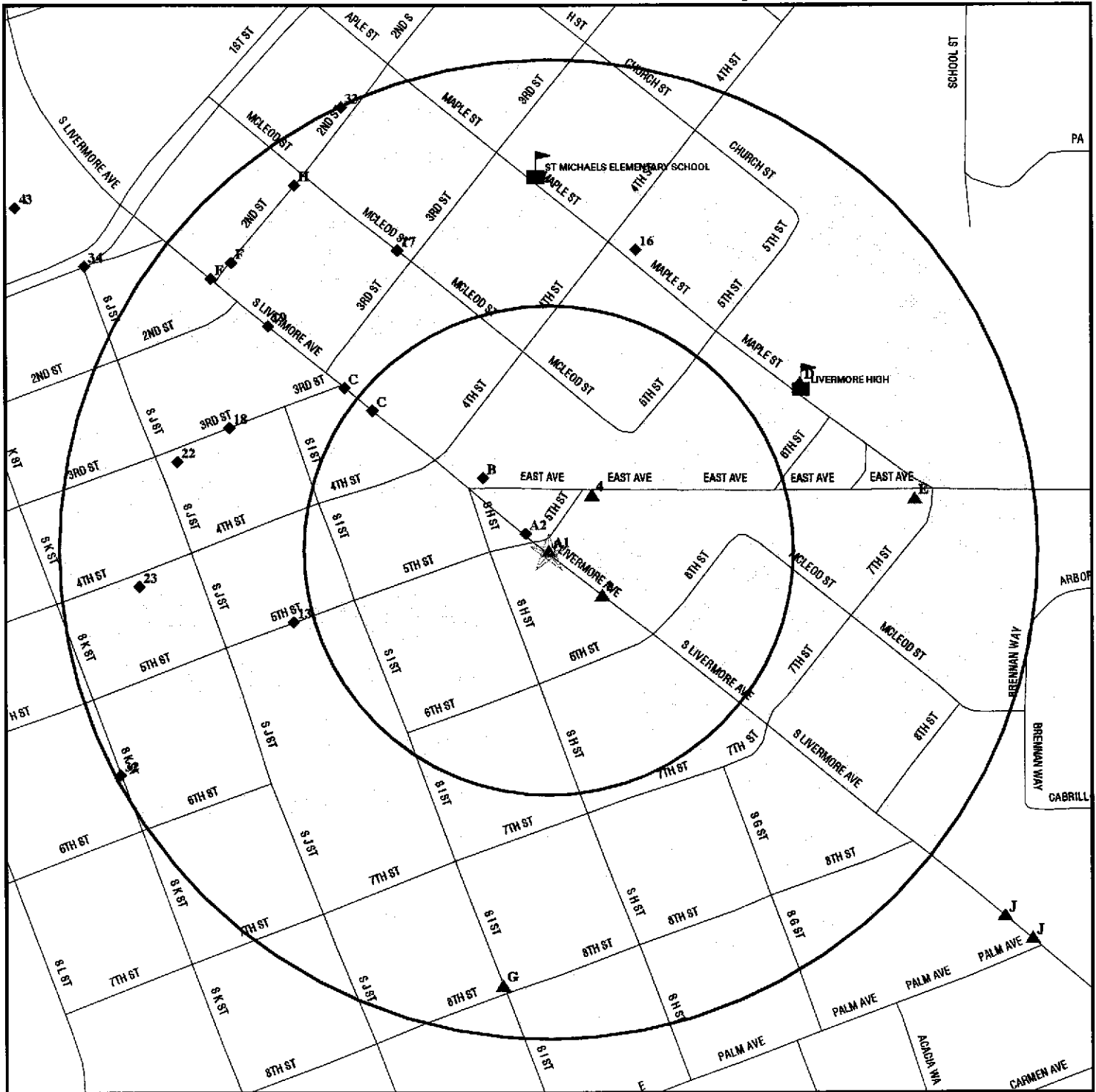
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- ▧ Federal Wetlands
- ▧ Areas of Concern



**TARGET PROPERTY:** Schweickert Residence  
**ADDRESS:** 515 South Livermore Avenue  
**CITY/STATE/ZIP:** Livermore CA 94550  
**LAT/LONG:** 37.6795 / 121.7644

**CUSTOMER:** Gettler-Ryan  
**CONTACT:** Robert Lauritzen  
**INQUIRY #:** 1155815.2s  
**DATE:** March 23, 2004 8:38 am

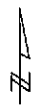
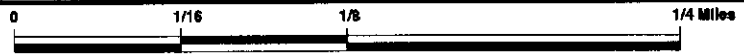
# DETAIL MAP - 1155815.2s - Gettler-Ryan



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ⊠ Historical Gas Stations / Historical Dry Cleaners  
See the EDR Proprietary Historical Map Findings
- ⊠ Sensitive Receptors
- ⊠ National Priority List Sites
- ⊠ Landfill Sites
- ⊠ Dept. Defense Sites

- ⊠ Oil & Gas pipelines
- ⊠ 100-year flood zone
- ⊠ 500-year flood zone

⊠ Areas of Concern



<b>TARGET PROPERTY:</b> Schweickert Residence <b>ADDRESS:</b> 515 South Livermore Avenue <b>CITY/STATE/ZIP:</b> Livermore CA 94550 <b>LAT/LONG:</b> 37.6795 / 121.7644	<b>CUSTOMER:</b> Gettler-Ryan <b>CONTACT:</b> Robert Lauritzen <b>INQUIRY #:</b> 1155815.2s <b>DATE:</b> March 23, 2004 8:39 am
---	--

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	1	3	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	1	1	11	NR	NR	13
Notify 65		1.000	0	0	2	2	NR	4
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST	X	0.500	1	2	13	NR	NR	16
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.500	0	2	2	NR	NR	4
VCP		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.500	0	3	14	NR	NR	17
HIST UST		0.500	1	4	12	NR	NR	17
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		0.250	0	0	NR	NR	NR	0
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI		1.000	0	2	7	4	NR	13
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
HAZNET		0.250	6	16	NR	NR	NR	22

### **EDR PROPRIETARY HISTORICAL DATABASES**

Gas Stations/Dry Cleaners		0.250	0	0	NR	NR	NR	0
Coal Gas		1.000	0	0	0	1	NR	1

### **BROWNFIELDS DATABASES**

US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

#### NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**MAP FINDINGS**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**         **SCHWEICKERT PROPERTY**  
**Target**     **515 LIVERMORE AVE**  
**Property**   **LIVERMORE, CA**

**LUST**      **S106059405**  
              **N/A**

**Site 1 of 2 in cluster A**

**Actual:**  
**505 ft.**

LUST Alameda County:  
Region :                ALAMEDA  
Facility ID :           RO0002595  
Record Id :             SD0002587  
Status :                Leak being confirmed

**A2**         **CLIFFORD POTTHOFF**  
**NW**  
**< 1/8**  
**79 ft.**

**HAZNET**    **S103660509**  
              **N/A**

**Site 2 of 2 in cluster A**

**Relative:**  
**Lower**

HAZNET:  
Gepaid:                CAC001186560  
TSD EPA ID:            CAD009466392  
Gen County:            1  
Tsd County:            7  
Tons:                   .6125  
Waste Category:       Other empty containers 30 gallons or more  
Disposal Method:      Recycler  
Contact:               CLIFFORD POTTHOFF  
Telephone:             (000) 000-0000  
Mailing Address:      1988 4TH ST  
                            LIVERMORE, CA 94550  
County                 1

**3**         **ROBERT & EDNA CARPENTER**  
**SE**  
**< 1/8**  
**186 ft.**

**LUST**      **S103472268**  
**Cortese**    **N/A**

**Relative:**  
**Higher**

State LUST:  
Cross Street:         Not reported  
Qty Leaked:           Not reported  
Case Number          01-0283  
Reg Board:            2  
Chemical:             Heater Fuel  
Lead Agency:          Local Agency  
Local Agency :        0  
Case Type:            Soil only  
Status:                Case Closed  
Abate Method:         Excavate and Dispose - remove contaminated soil and dispose in approved site  
  
Review Date:          01/24/1991                    Confirm Leak:        01/24/1991  
Workplan:             Not reported                    Prelim Assess:      Not reported  
Pollution Char:       Not reported                   Remed Plan:         Not reported  
Remed Action:         Not reported  
Monitoring:           Not reported  
Close Date:           01/28/1994  
Release Date:         01/15/1991  
Cleanup Fund Id :     Not reported  
Discover Date :       01/15/1991  
Enforcement Dt :      Not reported  
Enf Type:             Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ROBERT & EDNA CARPENTER (Continued)

S103472268

Enter Date : 02/22/1991  
Funding: Federal Funds  
Staff Initials: UNK  
How Discovered: Tank Closure  
How Stopped: Not reported  
Interim : Yes  
Leak Cause: Structure Failure  
Leak Source: Tank  
MTBE Date : / /  
Max MTBE GW : 0 Parts per Billion  
MTBE Tested: Not Required to be Tested.  
Priority: Not reported  
Local Case # : 3823  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgrm: Local Oversight Program UST  
Oversight Prgrm : LOP  
Review Date : 12/13/1994  
Stop Date : 01/24/1991  
Work Suspended No  
Responsible Party BLANK RP  
RP Address: Not reported  
Global Id: T0600100263  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Mtb Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:  
Region: 2  
Case Number: 3823  
Facility Id: 01-0283  
Facility Status: Case Closed  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 01/24/1991  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

LUST Alameda County:  
Region : ALAMEDA  
Facility ID : FO0000738  
Record Id : SD0000738

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**ROBERT & EDNA CARPENTER (Continued)**

**S103472268**

Status : Case Closed  
 CORTESE:  
 Region: CORTESE  
 Fac Address 2: 524 S Livermore Ave

**4**  
**NE**  
 < 1/8  
 190 ft.

**DARRYL H MAILANDER DMD, A PROFESS CORP**  
**2545 E AVENUE**  
**LIVERMORE, CA 94550**

**HAZNET S103959841**  
**N/A**

**Relative:**  
**Equal**  
  
**Actual:**  
**505 ft.**

**HAZNET:**  
 Gepaid: CAL000122461  
 TSD EPA ID: CAL000121946  
 Gen County: 1  
 Tsd County: Marin  
 Tons: .0625  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: DARRYL H MAILANDER  
 Telephone: (209) 613-4396  
 Mailing Address: PO BOX 129  
 ANGELS CAMP, CA 95222  
 County 1  
  
 Gepaid: CAL000122461  
 TSD EPA ID: Not reported  
 Gen County: Alameda  
 Tsd County: Marin  
 Tons: 0.06  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: DARRYL H MAILANDER  
 Telephone: (510) 447-2464  
 Mailing Address: PO BOX 129  
 ANGELS CAMP, CA 95222  
 County Not reported

**B5**  
**NW**  
 < 1/8  
 266 ft.

**DR JEFFREY MILES & DR KENNETH GONG DDS**  
**2418 EAST AVE**  
**LIVERMORE, CA 94550**

**HAZNET S104582672**  
**N/A**

**Site 1 of 2 in cluster B**

**Relative:**  
**Lower**  
  
**Actual:**  
**503 ft.**

**HAZNET:**  
 Gepaid: CAL000200846  
 TSD EPA ID: Not reported  
 Gen County: Alameda  
 Tsd County: Santa Clara  
 Tons: Not reported  
 Waste Category:  
 Disposal Method: Recycler  
 Contact: DONNA WHITE/OFFICE MGR  
 Telephone: (925) 447-5660  
 Mailing Address: 2418 EAST AVE  
 LIVERMORE, CA 94550  
 County Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DR JEFFREY MILES & DR KENNETH GONG DDS (Continued)

S104582672

Gepaid: CAL000200846  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Santa Clara  
Tons: Not reported  
Waste Category:  
Disposal Method: Treatment, Tank  
Contact: DONNA WHITE/OFFICE MGR  
Telephone: (925) 447-5660  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County Not reported

Gepaid: CAL000200846  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Santa Clara  
Tons: 0.01  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Treatment, Tank  
Contact: DONNA WHITE/OFFICE MGR  
Telephone: (925) 447-5660  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County Not reported

Gepaid: CAL000200846  
TSD EPA ID: CAL000175030  
Gen County: 1  
Tsd County: Santa Clara  
Tons: 0  
Waste Category:  
Disposal Method: Recycler  
Contact: JEFFREY MILES & KENNETH GONG  
Telephone: (925) 447-5660  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000200846  
TSD EPA ID: CAL000175030  
Gen County: 1  
Tsd County: Santa Clara  
Tons: 0  
Waste Category:  
Disposal Method: Treatment, Tank  
Contact: JEFFREY MILES & KENNETH GONG  
Telephone: (925) 447-5660  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County 1

The CA HAZNET database contains 14 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

DR JEFFREY MILES & DR KENNETH GONG DDS (Continued)

Database(s)  
EDR ID Number  
EPA ID Number

S104582672

B6  
NW  
< 1/8  
266 ft.

DAVID E. RYCHEL DDS  
2418 EAST AVE  
LIVERMORE, CA 94550

HAZNET S100860039  
N/A

Site 2 of 2 in cluster B

Relative:  
Lower

HAZNET:

Actual:  
503 ft.

Gepaid: CAL000089766  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0416  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DAVID RYCHEL  
Telephone: (000) 000-0000  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County 1  
Gepaid: CAL000089766  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0916  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DAVID RYCHEL  
Telephone: (000) 000-0000  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County 1  
Gepaid: CAL000089766  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0417  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DAVID RYCHEL  
Telephone: (000) 000-0000  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County 1  
Gepaid: CAL000089766  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Not reported  
Tons: 0.05  
Waste Category: Asbestos-containing waste  
Disposal Method: Not reported  
Contact: DAVID RYCHEL (DENTIST)  
Telephone: --  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**DAVID E. RYCHEL DDS (Continued)**

**S100860039**

Gepaid: CAL000089766  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Santa Clara  
Tons: 0.05  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Contact: DAVID RYCHEL (DENTIST)  
Telephone: --  
Mailing Address: 2418 EAST AVE  
LIVERMORE, CA 94550  
County: Not reported

The CA HAZNET database contains 1 additional record for this site.  
Please click here or contact your EDR Account Executive for more information.

**C7  
NW  
< 1/8  
608 ft.**

**FRANK WYOO  
318 S LIVERMORE AVE  
LIVERMORE, CA 94550**

**HAZNET U001597307  
HIST UST N/A**

**Site 1 of 6 in cluster C**

**Relative:  
Lower**

**HAZNET:**  
Gepaid: CAL000019619  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Alameda  
Tons: 0.21  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Contact: HAN PHAM PRESIDENT  
Telephone: (925) 447-9097  
Mailing Address: 318 S LIVERMORE AVE  
LIVERMORE, CA 94550  
County: Not reported

**Actual:  
499 ft.**

**UST HIST:**  
Facility ID: 19751 Facility Status: Not reported  
Total Tanks: 5 Region: STATE  
Owner Name: SHELL OIL COMPANY Box Number: Not reported  
Owner Address: P.O. BOX 4848  
ANAHEIM, CA 92803

**C8  
NW  
< 1/8  
608 ft.**

**EQUILON ENTERPRISES LLC  
318 S LIVERMORE  
LIVERMORE, CA 94550**

**HAZNET S103652320  
N/A**

**Site 2 of 6 in cluster C**

**Relative:  
Lower**

**HAZNET:**  
Gepaid: CAD981403058  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .4170  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Contact: EQUILON ENTERPRISES LLC

**Actual:  
499 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**EQUILON ENTERPRISES LLC (Continued)**

**S103652320**

Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77252 - 2099  
County 1  
Gepaid: CAD981403058  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 1.1467  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Contact: EQUILON ENTERPRISES LLC  
Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77252 - 2099  
County 1  
Gepaid: CAD981403058  
TSD EPA ID: CAD093459485  
Gen County: 1  
Tsd County: Fresno  
Tons: .1040  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Transfer Station  
Contact: EQUILON ENTERPRISES LLC  
Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77252 - 2099  
County 1  
Gepaid: CAD981403058  
TSD EPA ID: CAD093459485  
Gen County: 1  
Tsd County: Fresno  
Tons: .0832  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Transfer Station  
Contact: EQUILON ENTERPRISES LLC  
Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77252 - 2099  
County 1  
Gepaid: CAD981403058  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .1042  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Contact: EQUILON ENTERPRISES LLC  
Telephone: (713) 241-2258  
Mailing Address: PO BOX 4453  
HOUSTON, TX 77252 - 2099  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

**MAP FINDINGS**

**EQUILON ENTERPRISES LLC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S103652320**

The CA HAZNET database contains 1 additional record for this site.  
Please click here or contact your EDR Account Executive for more information.

**C9  
NW  
< 1/8  
608 ft.**

**SHELL OIL CO  
318 S. LIVERMORE  
LIVERMORE, CA 94550**

**RCRIS-SQG 1000288706  
FINDS CAD981403058**

**Site 3 of 6 in cluster C**

**Relative:  
Lower**

**RCRIS:**  
Owner: NOT REQUIRED  
(415) 555-1212  
EPA ID: CAD981403058  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**Actual:  
499 ft.**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

**C10  
NW  
1/8-1/4  
705 ft.**

**ARCO PRODUCTS COMPANY  
286 S LIVERMORE AVENUE  
LIVERMORE, CA 94550**

**HAZNET S104575429  
N/A**

**Site 4 of 6 in cluster C**

**Relative:  
Lower**

**HAZNET:**  
Gepaid: CAL000009848  
TSD EPA ID: CAT080013352  
Gen County: 1  
Tsd County: Los Angeles  
Tons: .1251  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Contact: ATLANTIC RICHFIELD COMPANY  
Telephone: (213) 486-0494  
Mailing Address: PO BOX 6038  
ARTESIA, CA 90702 - 6038  
County 1  
Gepaid: CAL000009848  
TSD EPA ID: CAT080013352  
Gen County: 1  
Tsd County: Los Angeles  
Tons: 0.1459  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Contact: ATLANTIC RICHFIELD COMPANY  
Telephone: (213) 486-0494  
Mailing Address: PO BOX 6038  
ARTESIA, CA 90702 - 6038  
County 1

**Actual:  
499 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ARCO PRODUCTS COMPANY (Continued)

S104575429

C11 CRAIG A HUMRICHOUSE  
NW 286 S LIVERMORE AVE  
1/8-1/4 LIVERMORE, CA 94550  
705 ft.

HAZNET U001597291  
HIST UST N/A

Site 5 of 6 in cluster C

Relative:  
Lower

HAZNET:

Actual:  
499 ft.

Gepaid: CAL000226027  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Los Angeles  
Tons: 0.20  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Not reported  
Contact: JACK OMAN  
Telephone: (714) 670-5402  
Mailing Address: PO BOX 6038  
ARTESIA, CA 90702 - 6038  
County Not reported

UST HIST:

Facility ID: 26930 Facility Status: Not reported  
Total Tanks: 6 Region: STATE  
Owner Name: ARCO PETROLEUM PRODUCTS CO. Box Number: Not reported  
Owner Address: 515 SOUTH FLOWER STREET  
LOS ANGELES, CA 90071

C12 ARCO 498  
NW 286 S LIVERMORE AVE  
1/8-1/4 LIVERMORE, CA 94550  
705 ft.

UST U003776597  
N/A

Site 6 of 6 in cluster C

Relative:  
Lower

State UST:

Actual:  
499 ft.

Facility ID: 01-006-050005  
Region: STATE  
Local Agency: 1006

13 DEL VALLE CONTINUATION HIGH SCHOOL  
WSW 2253 5TH ST  
1/8-1/4 LIVERMORE, CA 0  
716 ft.

LUST S105194673  
N/A

Relative:  
Lower

State LUST:

Actual:  
503 ft.

Cross Street: Not reported  
Qty Leaked: 0  
Case Number Jan-31  
Reg Board: 2  
Chemical: Heater Fuel  
Lead Agency: Local Agency  
Local Agency : 0  
Case Type: Soil only  
Status: Leak being confirmed  
Review Date: 08/13/1999 Confirm Leak: 08/13/1999  
Workplan: Not reported Prelim Assess: Not reported  
Pollution Char: Not reported Remed Plan: Not reported  
Remed Action: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DEL VALLE CONTINUATION HIGH SCHOOL (Continued)

S105194673

Monitoring: Not reported  
Close Date: Not reported  
Release Date: 08/13/1999  
Cleanup Fund Id : Not reported  
Discover Date : / /  
Enforcement Dt : Not reported  
Enf Type: Not reported  
Enter Date : 08/02/2001  
Funding: Not reported  
Staff Initials: UNK  
How Discovered: Tank Closure  
How Stopped: Not reported  
Interim : Not reported  
Leak Cause: UNK  
Leak Source: UNK  
MTBE Date : / /  
Max MTBE GW : 0 Parts per Billion  
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case # : Not reported  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : 1 Parts per Million  
Soil Qualifier : <  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 08/02/2001  
Stop Date : / /  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600191450  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mtbe Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: Not reported  
Facility Id: 01-2531  
Facility Status: Leak being confirmed  
How Discovered: TC  
Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: 08/13/1999  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DEL VALLE CONTINUATION HIGH SCHOOL (Continued)

S105194673

Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

LUST Alameda County:

Region : ALAMEDA  
Facility ID : RO0000310  
Record Id : SD0000310  
Status : Post remedial action monitoring

D14 LVJUSD LIVERMORE HIGHSCHOOLL  
NE 600 MAPLE STREET  
1/8-1/4 LIVERMORE, CA 94550  
816 ft.

HAZNET S103666235  
N/A

Site 1 of 2 in cluster D

Relative:  
Higher

HAZNET:

Actual:  
506 ft.

Gepaid: CAL000033303  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .2001  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Recycler  
Contact: LIVERMORE VALLEY USD  
Telephone: (925) 606-3497  
Mailing Address: 2801 LADD AVE  
LIVERMORE, CA 94550 - 2131  
County 1  
Gepaid: CAL000033303  
TSD EPA ID: CAD990794133  
Gen County: 1  
Tsd County: San Joaquin  
Tons: 7.5852  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Contact: LIVERMORE VALLEY USD  
Telephone: (925) 606-3497  
Mailing Address: 2801 LADD AVE  
LIVERMORE, CA 94550 - 2131  
County 1  
Gepaid: CAL000033303  
TSD EPA ID: CAD028409019  
Gen County: 1  
Tsd County: Los Angeles  
Tons: 1.4000  
Waste Category: Other organic solids  
Disposal Method: Transfer Station  
Contact: LIVERMORE VALLEY USD  
Telephone: (925) 606-3497  
Mailing Address: 2801 LADD AVE  
LIVERMORE, CA 94550 - 2131  
County 1



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**LVJUSD LIVERMORE HIGHSCHOOLL (Continued)**

**S103666235**

Gepaid: CAL000033303  
 TSD EPA ID: CAD059494310  
 Gen County: 1  
 Tsd County: Santa Clara  
 Tons: .2293  
 Waste Category: Unspecified aqueous solution  
 Disposal Method: Disposal, Other  
 Contact: LIVERMORE VALLEY USD  
 Telephone: (925) 606-3497  
 Mailing Address: 2801 LADD AVE  
 LIVERMORE, CA 94550 - 2131  
 County 1

Gepaid: CAL000033303  
 TSD EPA ID: CAD059494310  
 Gen County: 1  
 Tsd County: Santa Clara  
 Tons: .2293  
 Waste Category: Off-specification, aged, or surplus organics  
 Disposal Method: Transfer Station  
 Contact: LIVERMORE VALLEY USD  
 Telephone: (925) 606-3497  
 Mailing Address: 2801 LADD AVE  
 LIVERMORE, CA 94550 - 2131  
 County 1

The CA HAZNET database contains 9 additional records for this site.  
 Please click here or contact your EDR Account Executive for more information.

**D15 TRI-VALLEY ROP**  
**ENE 600 MAPLE STREET**  
**1/8-1/4 LIVERMORE, CA 94550**  
**818 ft.**

**FINDS 1006824731**  
**EMI 110013833370**

**Site 2 of 2 in cluster D**

**Relative:  
 Higher**

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 National Emissions Inventory (NEI)

**Actual:  
 506 ft.**

**EMISSIONS :**

Facility ID :	9450
Air District Code :	BA
SIC Code :	7532
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	Not reported
Reactive Organic Gases :	Not reported
Carbon Monoxide Emissions :	Not reported
NOX Gas Emissions (Nitrogen - Oxygen) :	Not reported
SOX Gas Emissions (Sulphur - Oxygen) :	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TRI-VALLEY ROP (Continued)

Database(s) EDR ID Number  
EPA ID Number

1006824731

16  
NNE  
1/8-1/4  
844 ft.

ST MICHAEL'S CHURCH  
458 MAPLE ST  
LIVERMORE, CA 94550

HAZNET S103989118  
N/A

Relative:  
Lower

HAZNET:

Gepaid: CAC002132129  
TSD EPA ID: CAD981382732  
Gen County: 1  
Tsd County: 1  
Tons: .2107  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Contact: ST MICHAELS CHURCH  
Telephone: (000) 000-0000  
Mailing Address: 458 MAPLE ST  
LIVERMORE, CA 94550  
County 1

Actual:  
502 ft.

17  
NNW  
1/8-1/4  
907 ft.

MAXINE FASCALINI TRUSTEE  
286 MCLEOD  
LIVERMORE, CA 94550

HAZNET S103649600  
N/A

Relative:  
Lower

HAZNET:

Gepaid: CAC001232280  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 3.3360  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Contact: Not reported  
Telephone: (000) 000-0000  
Mailing Address: 2356 5TH ST  
LIVERMORE, CA 94550  
County 1  
  
Gepaid: CAC001232280  
TSD EPA ID: CAD009466392  
Gen County: 1  
Tsd County: 7  
Tons: .2750  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Contact: Not reported  
Telephone: (000) 000-0000  
Mailing Address: 2356 5TH ST  
LIVERMORE, CA 94550  
County 1

Actual:  
498 ft.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**18            LIVERMORE CHIROPRACTIC**  
**WNW        2257 THIRD STREET**  
**1/8-1/4     LIVERMORE, CA 94550**  
**922 ft.**

**HAZNET    S103975052**  
**N/A**

**Relative:**  
**Lower**

**HAZNET:**

Gepaid:            CAL000121660  
 TSD EPA ID:     CAD982321879  
 Gen County:     1  
 Tsd County:     Stanislaus  
 Tons:             .0792  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact:          JIM MCCALLISTER, D.C.  
 Telephone:       (510) 449-4884  
 Mailing Address: 2257 3RD ST STE A  
                       LIVERMORE, CA 94550 - 4530  
 County            1

Gepaid:            CAL000121660  
 TSD EPA ID:     CAD982321879  
 Gen County:     1  
 Tsd County:     Stanislaus  
 Tons:             .0333  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Not reported  
 Contact:          JIM MCCALLISTER, D.C.  
 Telephone:       (510) 449-4884  
 Mailing Address: 2257 3RD ST STE A  
                       LIVERMORE, CA 94550 - 4530  
 County            1

Gepaid:            CAL000121660  
 TSD EPA ID:     Not reported  
 Gen County:     Alameda  
 Tsd County:     Santa Clara  
 Tons:             0.22  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact:          DR J L MCCALLISTER DC  
 Telephone:       (925) 449-4884  
 Mailing Address: 2257 3RD ST STE A  
                       LIVERMORE, CA 94550 - 4530  
 County            Not reported

Gepaid:            CAL000121660  
 TSD EPA ID:     CAD982321879  
 Gen County:     1  
 Tsd County:     Stanislaus  
 Tons:             .0417  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact:          JIM MCCALLISTER, D.C.  
 Telephone:       (510) 449-4884  
 Mailing Address: 2257 3RD ST STE A  
                       LIVERMORE, CA 94550 - 4530  
 County            1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIVERMORE CHIROPRACTIC (Continued)

S103975052

19 US POSTAL SERVICE  
NW 220 S LIVERMORE AVE  
1/8-1/4 LIVERMORE, CA 94550  
970 ft.

HAZNET S103642552  
N/A

Relative:  
Lower

HAZNET:

Gepaid: CAC000737016  
TSD EPA ID: UTD981552177  
Gen County: 1  
Tsd County: 99  
Tons: .0650  
Waste Category: Polychlorinated biphenyls and material containing PCB's  
Disposal Method: Not reported  
Contact: US POSTAL SERVICE  
Telephone: (000) 000-0000  
Mailing Address: 1675 7TH ST, RM 328W  
OAKLAND, CA 94615 - 9101  
County 1

E20 GLENN E. URBAN, D.D.S., INC.  
East 2807 E. AVENUE  
1/8-1/4 LIVERMORE, CA 94550  
997 ft.

HAZNET S103966179  
N/A

Relative:  
Higher

Site 1 of 2 in cluster E

HAZNET:

Gepaid: CAL000112732  
TSD EPA ID: CAL000121946  
Gen County: 1  
Tsd County: Marin  
Tons: .0291  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: GLENN E URBAN DDS  
Telephone: (925) 441-5110  
Mailing Address: 2807 EAST AVE  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000112732  
TSD EPA ID: CAL000121946  
Gen County: 1  
Tsd County: Marin  
Tons: .1208  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: GLENN E URBAN DDS  
Telephone: (925) 441-5110  
Mailing Address: 2807 EAST AVE  
LIVERMORE, CA 94550  
County 1

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GLENN E. URBAN, D.D.S., INC. (Continued)**

**S103966179**

Gepaid: CAL000112732  
 TSD EPA ID: CAD981429673  
 Gen County: 1  
 Tsd County: Marin  
 Tons: .0583  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: GLENN E URBAN DDS  
 Telephone: (925) 441-5110  
 Mailing Address: 2807 EAST AVE  
 LIVERMORE, CA 94550  
 County 1

Gepaid: CAL000112732  
 TSD EPA ID: CAD981429673  
 Gen County: 1  
 Tsd County: Marin  
 Tons: 0.1166  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: GLENN E URBAN DDS  
 Telephone: (925) 441-5110  
 Mailing Address: 2807 EAST AVE  
 LIVERMORE, CA 94550  
 County 1

Gepaid: CAL000112732  
 TSD EPA ID: CAL000121946  
 Gen County: 1  
 Tsd County: Marin  
 Tons: .0500  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: GLENN E URBAN DDS  
 Telephone: (925) 441-5110  
 Mailing Address: 2807 EAST AVE  
 LIVERMORE, CA 94550  
 County 1

The CA HAZNET database contains 2 additional records for this site.  
 Please click here or contact your EDR Account Executive for more information.

**E21 JACK A OWENS D.D.S.**  
**East 2815 E. AVENUE**  
**1/8-1/4 LIVERMORE, CA 94550**  
**997 ft.**

**HAZNET S103971396**  
**N/A**

**Site 2 of 2 in cluster E**

**Relative:  
 Higher**

HAZNET:  
 Gepaid: CAL000112731  
 TSD EPA ID: CAL000121946  
 Gen County: 1  
 Tsd County: Marin  
 Tons: .0333  
 Waste Category: Photochemicals/photoprocessing waste  
 Disposal Method: Recycler  
 Contact: JACK A OWENS DDS  
 Telephone: (000) 000-0000  
 Mailing Address: 553 ESCONDIDO CIRCLE

**Actual:  
 510 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**JACK A OWENS D.D.S. (Continued)**

**S103971396**

County LIVERMORE, CA 94550  
1  
Gepaid: CAL000112731  
TSD EPA ID: CAL000121946  
Gen County: 1  
Tsd County: Marin  
Tons: .0291  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: JACK A OWENS DDS  
Telephone: (000) 000-0000  
Mailing Address: 553 ESCONDIDO CIRCLE  
LIVERMORE, CA 94550  
County 1  
Gepaid: CAL000112731  
TSD EPA ID: CAD981429673  
Gen County: 1  
Tsd County: Marin  
Tons: 0.0417  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: JACK A OWENS DDS  
Telephone: (000) 000-0000  
Mailing Address: 553 ESCONDIDO CIRCLE  
LIVERMORE, CA 94550  
County 1  
Gepaid: CAL000112731  
TSD EPA ID: CAL000121946  
Gen County: 1  
Tsd County: Marin  
Tons: .0333  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: JACK A OWENS DDS  
Telephone: (000) 000-0000  
Mailing Address: 553 ESCONDIDO CIRCLE  
LIVERMORE, CA 94550  
County 1

22  
WNW  
1/8-1/4  
1031 ft.

**BARBARA CRETAN DDS**  
2221 THIRD ST  
LIVERMORE, CA 94550

HAZNET S103951888  
N/A

Relative:  
Lower

HAZNET:  
Gepaid: CAL000120334  
TSD EPA ID: CAD003963592  
Gen County: 1  
Tsd County: Santa Clara  
Tons: .0083  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: BARBARA CRETAN DDS  
Telephone: (000) 000-0000  
Mailing Address: 2221 3RD ST  
LIVERMORE, CA 94550  
County 1

Actual:  
497 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

BARBARA CRETAN DDS (Continued)

Database(s) EDR ID Number  
EPA ID Number

S103951888

23  
West  
1/8-1/4  
1110 ft.

DR. GERARD DEBRUIN, DDS INC  
2165 FOURTH ST.  
LIVERMORE, CA 94550

HAZNET S103961664  
N/A

Relative:  
Lower

HAZNET:

Actual:  
499 ft.

Gepaid: CAL000122609  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0998  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DR. GERARD DEBRUIN  
Telephone: (000) 000-0000  
Mailing Address: 2165 4TH ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000122609  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0208  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DR. GERARD DEBRUIN  
Telephone: (000) 000-0000  
Mailing Address: 2165 4TH ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000122609  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0582  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DR. GERARD DEBRUIN  
Telephone: (000) 000-0000  
Mailing Address: 2165 4TH ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000122609  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: 0.0624  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DR. GERARD DEBRUIN  
Telephone: (000) 000-0000  
Mailing Address: 2165 4TH ST  
LIVERMORE, CA 94550  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

DR. GERARD DEBRUIN, DDS INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S103961664

Gepaid: CAL000122609  
TSD EPA ID: CAD982321879  
Gen County: 1  
Tsd County: Stanislaus  
Tons: .0582  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Recycler  
Contact: DR. GERARD DEBRUIN  
Telephone: (000) 000-0000  
Mailing Address: 2165 4TH ST  
LIVERMORE, CA 94550  
County: 1

The CA HAZNET database contains 1 additional record for this site.  
Please click here or contact your EDR Account Executive for more information.

F24 PACIFIC BELL  
NW 2324 SECOND STREET  
1/8-1/4 LIVERMORE, CA 94550  
1155 ft.

RCRIS-SQG 1000251202  
FINDS CAT080020357

Site 1 of 4 in cluster F

Relative:  
Lower

RCRIS:  
Owner: NOT REQUIRED  
(415) 555-1212  
EPA ID: CAT080020357  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

Actual:  
494 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

F25 PACIFIC TELEPHONE AND TELEGRAPH CO  
NW 2324 SECOND STREET  
1/8-1/4 LIVERMORE, CA 94550  
1155 ft.

HAZNET S103980746  
N/A

Site 2 of 4 in cluster F

Relative:  
Lower

HAZNET:  
Gepaid: CAT080020357  
TSD EPA ID: CAD981388952  
Gen County: 1  
Tsd County: Shasta  
Tons: 2.4700  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Contact: THE PACIFIC TELEPHONE AND TELE  
Telephone: (000) 000-0000  
Mailing Address: PO BOX 5095 ROOM 3 E 000  
SAN RAMON, CA 94583 - 0995  
County: 1

Actual:  
494 ft.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PACIFIC TELEPHONE AND TELEGRAPH CO (Continued)

S103980746

Gepaid: CAT080020357  
TSD EPA ID: NYD986980233  
Gen County: 1  
Tsd County: 99  
Tons: .4463  
Waste Category: Polychlorinated biphenyls and material containing PCB's  
Disposal Method: Not reported  
Contact: THE PACIFIC TELEPHONE AND TELE  
Telephone: (000) 000-0000  
Mailing Address: PO BOX 5095 ROOM 3 E 000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020357  
TSD EPA ID: CAD980887418  
Gen County: 1  
Tsd County: 1  
Tons: 1.0425  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Contact: THE PACIFIC TELEPHONE AND TELE  
Telephone: (000) 000-0000  
Mailing Address: PO BOX 5095 ROOM 3 E 000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020357  
TSD EPA ID: CAD981388952  
Gen County: 1  
Tsd County: Shasta  
Tons: 15.5600  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Contact: THE PACIFIC TELEPHONE AND TELE  
Telephone: (000) 000-0000  
Mailing Address: PO BOX 5095 ROOM 3 E 000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020357  
TSD EPA ID: CAD981388952  
Gen County: 1  
Tsd County: Shasta  
Tons: 15.5600  
Waste Category: Asbestos-containing waste  
Disposal Method: Not reported  
Contact: THE PACIFIC TELEPHONE AND TELE  
Telephone: (000) 000-0000  
Mailing Address: PO BOX 5095 ROOM 3 E 000  
SAN RAMON, CA 94583 - 0995  
County 1

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**F26**            **LIVERMORE AUTO & TIRE CORP**  
**NW**            **167 S LIVERMORE AVE**  
**1/8-1/4**        **LIVERMORE, CA 94550**  
**1170 ft.**

**HIST UST**    **U001597331**  
**N/A**

**Site 3 of 4 in cluster F**

**Relative:**  
**Lower**

**UST HIST:**

Facility ID:	60104	Facility Status:	Not reported
Total Tanks:	3	Region:	STATE
Owner Name:	LIVERMORE AUTO & TIRE CORP	Box Number:	Not reported
Owner Address:	167 SO. LIVERMORE AVE LIVERMORE, A. 4550		

**Actual:**  
**493 ft.**

**F27**            **LIVERMORE AUTO & TIRE CORP**  
**NW**            **167 S LIVERMORE AVE**  
**1/8-1/4**        **LIVERMORE, CA 94550**  
**1170 ft.**

**HAZNET**    **S101623807**  
**CA FID UST**    **N/A**

**Site 4 of 4 in cluster F**

**Relative:**  
**Lower**

**HAZNET:**

Gepaid: CAL000022149  
 TSD EPA ID: CAD980887418  
 Gen County: 1  
 Tsd County: 1  
 Tons: .6672  
 Waste Category: Aqueous solution with less than 10% total organic residues  
 Disposal Method: Not reported  
 Contact: CASALI MEL-OWNER  
 Telephone: (415) 447-7281  
 Mailing Address: 167 S LIVERMORE AVE  
 LIVERMORE, CA 94550 - 4649  
 County 1

Gepaid: CAL000022149  
 TSD EPA ID: CAD980887418  
 Gen County: 1  
 Tsd County: 1  
 Tons: .3336  
 Waste Category: Waste oil and mixed oil  
 Disposal Method: Recycler  
 Contact: CASALI MEL-OWNER  
 Telephone: (415) 447-7281  
 Mailing Address: 167 S LIVERMORE AVE  
 LIVERMORE, CA 94550 - 4649  
 County 1

Gepaid: CAL000022149  
 TSD EPA ID: CAD059494310  
 Gen County: 1  
 Tsd County: Santa Clara  
 Tons: .2500  
 Waste Category: Unspecified oil-containing waste  
 Disposal Method: Disposal, Other  
 Contact: CASALI MEL-OWNER  
 Telephone: (415) 447-7281  
 Mailing Address: 167 S LIVERMORE AVE  
 LIVERMORE, CA 94550 - 4649  
 County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIVERMORE AUTO & TIRE CORP (Continued)

S101623807

Gepaid: CAL000022149  
TSD EPA ID: CAD059494310  
Gen County: 1  
Tsd County: Santa Clara  
Tons: 0.25  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Contact: CASALI MEL-OWNER  
Telephone: (415) 447-7281  
Mailing Address: 167 S LIVERMORE AVE  
LIVERMORE, CA 94550 - 4649  
County 1  
Gepaid: CAL000022149  
TSD EPA ID: CAD980887418  
Gen County: 1  
Tsd County: 1  
Tons: .2919  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Transfer Station  
Contact: CASALI MEL-OWNER  
Telephone: (415) 447-7281  
Mailing Address: 167 S LIVERMORE AVE  
LIVERMORE, CA 94550 - 4649  
County 1

The CA HAZNET database contains 1 additional record for this site.  
Please click here or contact your EDR Account Executive for more information.

FID:  
Facility ID: 01002786 Regulate ID: 00060104  
Reg By: Active Underground Storage Tank Location  
Cortese Code: Not reported SIC Code: Not reported  
Status: Active Facility Tel: (415) 447-7281  
Mail To: Not reported  
167 S LIVERMORE AVE  
LIVERMORE, CA 94550  
Contact: Not reported Contact Tel: Not reported  
DUNS No: Not reported NPDES No: Not reported  
Creation: 10/22/93 Modified: 00/00/00  
EPA ID: Not reported  
Comments: Not reported

G28 ALLAN HYNE  
South 792 S I ST  
1/8-1/4 LIVERMORE, CA 94550  
1181 ft.

CA FID UST S101623767  
N/A

Site 1 of 2 in cluster G

Relative:  
Higher

Actual:  
511 ft.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**ALLAN HYNE (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S101623767**

**FID:**

Facility ID:	01002251	Regulate ID:	00064506
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	792 S I ST		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**G29**  
 South  
 1/8-1/4  
 1181 ft.

**ALLAN HYNE**  
 792 S I ST  
 LIVERMORE, CA 94550

**HIST UST** U001597271  
 N/A

**Site 2 of 2 in cluster G**

**Relative:**  
 Higher

**UST HIST:**

**Actual:**  
 511 ft.

Facility ID:	64506	Facility Status:	Not reported
Total Tanks:	1	Region:	STATE
Owner Name:	ALLAN HYNE	Box Number:	Not reported
Owner Address:	792 SOUTH "I" STREET		
	LIVERMORE, CA 94550		

**H30**  
 NW  
 1/8-1/4  
 1198 ft.

**PACIFIC BELL PE016**  
 2388 SECOND ST  
 LIVERMORE, CA 94550

**UST** U003776452  
 N/A

**Site 1 of 2 in cluster H**

**Relative:**  
 Lower

**State UST:**

**Actual:**  
 494 ft.

Facility ID:	01-000-057527
Region:	STATE
Local Agency:	1000

**H31**  
 NW  
 1/8-1/4  
 1199 ft.

**PACIFIC BELL**  
 2388 SECOND STREET  
 LIVERMORE, CA 94550

**RCRIS-SQG** 1000251203  
**FINDS** CAT080020365  
**HAZNET**  
**LUST**  
**Cortese**  
**CA FID UST**  
**HIST UST**

**Site 2 of 2 in cluster H**

**Relative:**  
 Lower

**Actual:**  
 494 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PACIFIC BELL (Continued)

1000251203

RCRIS:

Owner: NOT REQUIRED  
(415) 555-1212  
EPA ID: CAT080020365  
Contact: Not reported  
Classification: Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

State LUST:

Cross Street: Not reported  
Qty Leaked: Not reported  
Case Number: Jan-30  
Reg Board: 2  
Chemical: Diesel  
Lead Agency: Local Agency  
Local Agency : 0  
Case Type: Soil only  
Status: Case Closed  
Review Date: 01/26/1996  
Workplan: Not reported  
Pollution Char: Not reported  
Remed Action: Not reported  
Monitoring: Not reported  
Close Date: 02/06/1996  
Release Date: 11/03/1991  
Cleanup Fund Id : Not reported  
Discover Date : 10/21/1994  
Enforcement Dt : Not reported  
Enf Type: Not reported  
Enter Date : 03/20/1995  
Funding: Federal Funds  
Staff Initials: UNK  
How Discovered: OM  
How Stopped: Not reported  
Interim : Not reported  
Leak Cause: UNK  
Leak Source: UNK  
MTBE Date : / /  
Max MTBE GW : 0 Parts per Billion  
MTBE Tested: Not Required to be Tested.  
Priority: Not reported  
Local Case # : 3708  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST

Confirm Leak: 01/26/1996  
Prelim Assess: Not reported  
Remed Plan: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

1000251203

Oversight Prgm : LOP  
Review Date : 08/07/1996  
Stop Date : 10/21/1994  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600101956  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Mtbe Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 3708  
Facility Id: 01-2130  
Facility Status: Case Closed  
How Discovered: OM  
Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: 01/26/1996  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

LUST Alameda County:

Region : ALAMEDA  
Facility ID : RO0000684  
Record Id : SD0000684  
Status : Case Closed

HAZNET:

Gepaid: CAT080020365  
TSD EPA ID: CAD009466392  
Gen County: 1  
Tsd County: 7  
Tons: 5.0000  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Contact: PACIFIC BELL  
Telephone: (925) 823-6161  
Mailing Address: RM 3E000  
SAN RAMON, CA 94583 - 0995  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**1000251203**

Gepaid: CAT080020365  
TSD EPA ID: CAD044003556  
Gen County: 1  
Tsd County: Yolo  
Tons: .2710  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Contact: PACIFIC BELL  
Telephone: (925) 823-6161  
Mailing Address: RM 3E000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020365  
TSD EPA ID: CAL000027741  
Gen County: 1  
Tsd County: 5  
Tons: 6.7424  
Waste Category: Asbestos-containing waste  
Disposal Method: Disposal, Land Fill  
Contact: PACIFIC BELL  
Telephone: (925) 823-6161  
Mailing Address: RM 3E000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020365  
TSD EPA ID: AZD983473539  
Gen County: 1  
Tsd County: 99  
Tons: .0991  
Waste Category: Polychlorinated biphenyls and material containing PCB's  
Disposal Method: Recycler  
Contact: PACIFIC BELL  
Telephone: (925) 823-6161  
Mailing Address: RM 3E000  
SAN RAMON, CA 94583 - 0995  
County 1

Gepaid: CAT080020365  
TSD EPA ID: CAD009466392  
Gen County: 1  
Tsd County: 7  
Tons: 2.5000  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Contact: PACIFIC BELL  
Telephone: (925) 823-6161  
Mailing Address: RM 3E000  
SAN RAMON, CA 94583 - 0995  
County 1

The CA HAZNET database contains 7 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

CORTESE:  
Region: CORTESE  
Fac Address 2: 2388 2nd St

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**PACIFIC BELL (Continued)**

**1000251203**

**FID:**

Facility ID:	01002755	Regulate ID:	00057527
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(415) 443-0012
Mail To:	Not reported		
	2600 CAMINO RAMON		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**UST HIST:**

Facility ID:	57527	Facility Status:	Not reported
Total Tanks:	1	Region:	STATE
Owner Name:	PACIFIC BELL	Box Number:	Not reported
Owner Address:	370 THIRD STREET		
	SAN FRANCISCO, CA 94107		

**32**  
**WSW**  
**1/8-1/4**  
**1306 ft.**

**BRADLEY SIELES**  
**556 SOUTH K ST**  
**LIVERMORE, CA 94550**

**HAZNET S103953157**  
**N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**502 ft.**

**HAZNET:**  
 Gepaid: CAC001186440  
 TSD EPA ID: CAL000027741  
 Gen County: 1  
 Tsd County: 5  
 Tons: 12.6420  
 Waste Category: Asbestos-containing waste  
 Disposal Method: Disposal, Land Fill  
 Contact: BRADLEY SIELES  
 Telephone: (000) 000-0000  
 Mailing Address: 556 SOUTH K ST  
 LIVERMORE, CA 94550  
 County 1

**33**  
**NNW**  
**1/8-1/4**  
**1316 ft.**

**BOSTROM'S LIVERMORE AUTO BODY**  
**2462 2ND STREET**  
**LIVERMORE, CA 94550**

**RCRIS-SQG 1000420071**  
**FINDS CAD981368384**  
**HAZNET**  
**EMI**

**Relative:**  
**Lower**  
  
**Actual:**  
**495 ft.**

**RCRIS:**  
 Owner: BOSTROM DUANE  
 (415) 555-1212  
 EPA ID: CAD981368384  
 Contact: ENVIRONMENTAL MANAGER  
 (415) 447-8523  
  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BOSTROM'S LIVERMORE AUTO BODY (Continued)**

1000420071

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- National Emissions Inventory (NEI)
- National Emissions Trends (NET)
- National Toxics Inventory (NTI)
- Resource Conservation and Recovery Act Information system (RCRAINFO)

HAZNET:

Gepaid: CAD981368384  
TSD EPA ID: CAT000613893  
Gen County: 1  
Tsd County: Los Angeles  
Tons: .1230  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Not reported  
Contact: DUANE BOSTROMS  
Telephone: (925) 447-8523  
Mailing Address: 2727 OLD FIRST ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAD981368384  
TSD EPA ID: CAT000613893  
Gen County: 1  
Tsd County: Los Angeles  
Tons: .4420  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: DUANE BOSTROMS  
Telephone: (925) 447-8523  
Mailing Address: 2727 OLD FIRST ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAD981368384  
TSD EPA ID: CAT000613950  
Gen County: 1  
Tsd County: Sacramento  
Tons: .3700  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: DUANE BOSTROMS  
Telephone: (925) 447-8523  
Mailing Address: 2727 OLD FIRST ST  
LIVERMORE, CA 94550  
County 1

Gepaid: CAD981368384  
TSD EPA ID: CA0000084517  
Gen County: 1  
Tsd County: Sacramento  
Tons: 1.4720  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: DUANE BOSTROMS  
Telephone: (925) 447-8523  
Mailing Address: 2727 OLD FIRST ST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BOSTROM'S LIVERMORE AUTO BODY (Continued)**

1000420071

County LIVERMORE, CA 94550  
1  
Gepaid: CAD981368384  
TSD EPA ID: CAT000613850  
Gen County: 1  
Tsd County: 0  
Tons: .0180  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Not reported  
Contact: DUANE BOSTROMS  
Telephone: (925) 447-8523  
Mailing Address: 2727 OLD FIRST ST  
LIVERMORE, CA 94550  
County 1

The CA HAZNET database contains 11 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

EMISSIONS :  
Facility ID : 8432  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : Not reported  
Reactive Organic Gases : Not reported  
Carbon Monoxide Emissions : Not reported  
NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
SOX Gas Emissions (Sulphur - Oxygen) : Not reported  
  
Facility ID : 8432  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : 1  
Reactive Organic Gases : 1  
Carbon Monoxide Emissions : 0  
NOX Gas Emissions (Nitrogen - Oxygen) : 0  
SOX Gas Emissions (Sulphur - Oxygen) : 0

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**34**            **MOBIL MINI MART**  
**WNW**        **101 J**  
**1/4-1/2**      **LIVERMORE, CA 94550**  
**1468 ft.**

**LUST**    **S103472266**  
**Cortese**   **N/A**

**Relative:**  
**Lower**

State LUST:

**Actual:**  
**491 ft.**

Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: 01-1741  
 Reg Board: 2  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Local Agency: 0  
 Case Type: Other ground water affected  
 Status: No Action  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: Not reported                      Confirm Leak: Not reported  
 Workplan: 1/2/65                                  Prelim Assess: 1/2/65  
 Pollution Char: Not reported                      Remed Plan: Not reported  
 Remed Action: Not reported  
 Monitoring: Not reported  
 Close Date: Not reported  
 Release Date: 05/14/1993  
 Cleanup Fund Id: Not reported  
 Discover Date: 05/14/1993  
 Enforcement Dt: Not reported  
 Enf Type: Not reported  
 Enter Date: 06/22/1992  
 Funding: Federal Funds  
 Staff Initials: UNK  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Interim: No  
 Leak Cause: UNK  
 Leak Source: UNK  
 MTBE Date: 01/02/1965  
 Max MTBE GW: 0 Parts per Billion  
 MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
 Priority: Not reported  
 Local Case #: 4449  
 Beneficial: Not reported  
 Staff: BG  
 GW Qualifier: Not reported  
 Max MTBE Soil: Not reported  
 Soil Qualifier: Not reported  
 Hydr Basin #: Not reported  
 Operator: Not reported  
 Oversight Prgm: Local Oversight Program UST  
 Oversight Prgm: LOP  
 Review Date: 10/28/1998  
 Stop Date: 05/14/1993  
 Work Suspended: No  
 Responsible Party: BLANK RP  
 RP Address: Not reported  
 Global Id: T0600101612  
 Org Name: Not reported  
 Contact Person: Not reported  
 MTBE Conc: 1  
 Mtb Fuel: 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
EPA ID Number

**MOBIL MINI MART (Continued)**

**S103472266**

Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

**LUST Region 2:**

Region: 2  
Case Number: 4449  
Facility Id: 01-1741  
Facility Status: Preliminary site assessment underway  
How Discovered: TC  
Leak Cause: UNK  
Leak Source: UNK  
Date Leak Confirmed: / /  
Prelim. Site Assessment Wokplan Submitted: Not reported  
Preliminary Site Assessment Began: 1/2/65  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

**LUST Alameda County:**

Region : ALAMEDA  
Facility ID : RO0000996  
Record Id : SD0000996  
Status : Case Closed

**CORTESE:**

Region: CORTESE  
Fac Address 2: Not reported  
  
Region: CORTESE  
Fac Address 2: 101 Jack London Blvd

35  
North  
1/4-1/2  
1548 ft.

**RED'S LIVERMORE BODY SHOP**  
**222 CHURCH STREET**  
**LIVERMORE, CA 94550**

**RCRIS-SQG 1000375109**  
**FINDS CAD981372832**  
**HAZNET**  
**EMI**

**Relative:**  
**Lower**

**RCRIS:**  
Owner: NOT REQUIRED  
(415) 555-1212  
EPA ID: CAD981372832  
Contact: Not reported  
Classification: Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

**Actual:**  
**497 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
National Emissions Inventory (NEI)  
National Emissions Trends (NET)  
National Toxics Inventory (NTI)  
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RED'S LIVERMORE BODY SHOP (Continued)

1000375109

HAZNET:

Gepaid: CAD981372832  
TSD EPA ID: CAT000613893  
Gen County: 1  
Tsd County: Los Angeles  
Tons: .0615  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Not reported  
Contact: CURTIS ALLRED  
Telephone: (000) 000-0000  
Mailing Address: 222 CHURCH ST  
LIVERMORE, CA 94550 - 3202  
County 1

Gepaid: CAD981372832  
TSD EPA ID: CAT000613893  
Gen County: 1  
Tsd County: Los Angeles  
Tons: .1970  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: CURTIS ALLRED  
Telephone: (000) 000-0000  
Mailing Address: 222 CHURCH ST  
LIVERMORE, CA 94550 - 3202  
County 1

Gepaid: CAD981372832  
TSD EPA ID: CAT000613950  
Gen County: 1  
Tsd County: Sacramento  
Tons: .1480  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: CURTIS ALLRED  
Telephone: (000) 000-0000  
Mailing Address: 222 CHURCH ST  
LIVERMORE, CA 94550 - 3202  
County 1

Gepaid: CAD981372832  
TSD EPA ID: CA0000084517  
Gen County: 1  
Tsd County: Sacramento  
Tons: .7560  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: CURTIS ALLRED  
Telephone: (000) 000-0000  
Mailing Address: 222 CHURCH ST  
LIVERMORE, CA 94550 - 3202  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

**MAP FINDINGS**

EDR ID Number  
EPA ID Number  
Database(s)

**RED'S LIVERMORE BODY SHOP (Continued)**

**1000375109**

Gepaid: CAD981372832  
TSD EPA ID: CAT000613950  
Gen County: 1  
Tsd County: Sacramento  
Tons: .3700  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Transfer Station  
Contact: CURTIS ALLRED  
Telephone: (000) 000-0000  
Mailing Address: 222 CHURCH ST  
LIVERMORE, CA 94550 - 3202  
County 1

The CA HAZNET database contains 10 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

**EMISSIONS :**

Facility ID : 7982  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : Not reported  
Reactive Organic Gases : Not reported  
Carbon Monoxide Emissions : Not reported  
NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
SOX Gas Emissions (Sulphur - Oxygen) : Not reported

Facility ID : 7982  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : 0  
Reactive Organic Gases : 0  
Carbon Monoxide Emissions : 0  
NOX Gas Emissions (Nitrogen - Oxygen) : 0  
SOX Gas Emissions (Sulphur - Oxygen) : 0

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**I36**      **J & W DEVELOPMENT**  
**North**    **300 WOOD**  
**1/4-1/2**    **LIVERMORE, CA 94550**  
**1562 ft.**

**Cortese**    **S105024489**  
                   **N/A**

**Site 1 of 2 in cluster I**

**Relative:**  
**Lower**

**CORTESE:**  
 Region:                      **CORTESE**  
 Fac Address 2:              **Not reported**

**Actual:**  
**499 ft.**

**37**            **NONE**  
**NNE**        **330 WOOD**  
**1/4-1/2**     **LIVERMORE, CA 92516**  
**1572 ft.**

**Notify 65**    **S100179250**  
                   **N/A**

**Relative:**  
**Lower**

**NOTIFY 65:**  
 Date Reported:    **Not reported**    Staff Initials: **Not reported**  
 Board File Number: **Not reported**  
 Facility Type:      **Not reported**  
 Discharge Date:    **Not reported**  
 Incident Description: **92516**

**Actual:**  
**500 ft.**

**J38**            **CLIFFORD A. BATES**  
**SE**            **887 S LIVERMORE AVE**  
**1/4-1/2**     **LIVERMORE, CA 94550**  
**1575 ft.**

**HIST UST**    **U001597287**  
                   **N/A**

**Site 1 of 4 in cluster J**

**Relative:**  
**Higher**

**UST HIST:**  
 Facility ID:            **41972**                      Facility Status:    **Not reported**  
 Total Tanks:          **1**                              Region:              **STATE**  
 Owner Name:          **CLIFFORD A. BATES**              Box Number:        **Not reported**  
 Owner Address:        **887 SO. LIVERMORE AVE**  
                                   **LIVERMORE, CA 94550**

**Actual:**  
**519 ft.**

**J39**            **CLIFFORD A. BATES**  
**SE**            **887 S LIVERMORE AVE**  
**1/4-1/2**     **LIVERMORE, CA 94550**  
**1575 ft.**

**CA FID UST**    **S101623779**  
                   **N/A**

**Site 2 of 4 in cluster J**

**Relative:**  
**Higher**

**FID:**  
 Facility ID:            **01002184**                      Regulate ID:        **00041972**  
 Reg By:                **Inactive**    **Underground Storage Tank Location**  
 Cortese Code:        **Not reported**                      SIC Code:            **Not reported**  
 Status:                 **Inactive**                              Facility Tel:          **(415) 455-1192**  
 Mail To:                **Not reported**  
                                   **887 S LIVERMORE AVE**  
                                   **LIVERMORE, CA 94550**  
 Contact:                **Not reported**                      Contact Tel:          **Not reported**  
 DUNs No:               **Not reported**                      NPDES No:           **Not reported**  
 Creation:               **10/22/93**                              Modified:             **00/00/00**  
 EPA ID:                 **Not reported**  
 Comments:             **Not reported**

**Actual:**  
**519 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**I40**      **J & W DEVELOPMENT**  
**NNE**      **330 WOOD ST**  
**1/4-1/2**    **LIVERMORE, CA 94550**  
**1625 ft.**

**LUST**    **S102431725**  
**N/A**

**Site 2 of 2 in cluster 1**

**Relative:**  
**Lower**

State LUST:

**Actual:**  
**500 ft.**

Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: 01-0807  
 Reg Board: 2  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Local Agency : 0  
 Case Type: Soil only  
 Status: Case Closed  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: Not reported      Confirm Leak: Not reported  
 Workplan: Not reported      Prelim Assess: Not reported  
 Pollution Char: Not reported      Remed Plan: Not reported  
 Remed Action: Not reported  
 Monitoring: Not reported  
 Close Date: 10/28/1994  
 Release Date: 08/29/1989  
 Cleanup Fund Id : Not reported  
 Discover Date : 08/29/1989  
 Enforcement Dt : Not reported  
 Enf Type: Not reported  
 Enter Date : 01/09/1990  
 Funding: Federal Funds  
 Staff Initials: UNK  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Interim : No  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 MTBE Date : / /  
 Max MTBE GW : 0 Parts per Billion  
 MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.  
 Priority: Not reported  
 Local Case # : 3612  
 Beneficial: Not reported  
 Staff : BG  
 GW Qualifier : Not reported  
 Max MTBE Soil : Not reported  
 Soil Qualifier : Not reported  
 Hydr Basin #: Not reported  
 Operator : Not reported  
 Oversight Prgm: Local Oversight Program UST  
 Oversight Prgm : LOP  
 Review Date : 02/28/1995  
 Stop Date : 08/29/1989  
 Work Suspended :No  
 Responsible Party:BLANK RP  
 RP Address: Not reported  
 Global Id: T0600100743  
 Org Name: Not reported  
 Contact Person: Not reported  
 MTBE Conc: 0



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**J & W DEVELOPMENT (Continued)**

**S102431725**

Mtbe Fuel: 1  
 Water System Name: Not reported  
 Well Name: Not reported  
 Distance To Lust: 0  
 Waste Discharge Global ID: Not reported  
 Waste Disch Assigned Name: Not reported

**LUST Region 2:**

Region: 2  
 Case Number: 3612  
 Facility Id: 01-0807  
 Facility Status: Case Closed  
 How Discovered: TC  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 Date Leak Confirmed: / /  
 Prelim. Site Assesment Wokplan Submitted: 5/30/90  
 Preliminary Site Assesment Began: Not reported  
 Pollution Characterization Began: Not reported  
 Pollution Remediation Plan Submitted: Not reported  
 Date Remediation Action Underway: Not reported  
 Date Remediation Action Underway: Not reported

**LUST Alameda County:**

Region : ALAMEDA  
 Facility ID : RO0001057  
 Record Id : SD0001057  
 Status : Case Closed

**J41  
 SE  
 1/4-1/2  
 1672 ft.**

**UNOCAL SVC STA #4667  
 900 SO LIVERMORE AVE  
 LIVERMORE, CA 94550**

**RCRIS-SQG 1000167053  
 FINDS CAD981991938  
 CA FID UST  
 HIST UST**

**Site 3 of 4 in cluster J**

**Relative:  
 Higher**

**RCRIS:**  
 Owner: NOT REQUIRED  
 (415) 555-1212  
 EPA ID: CAD981991938  
 Contact: Not reported  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**Actual:  
 520 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**UNOCAL SVC STA #4667 (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000167053**

**FID:**

Facility ID:	01001725	Regulate ID:	00007104
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	900 S LIVERMORE AVE		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**UST HIST:**

Facility ID:	7104	Facility Status:	Not reported
Total Tanks:	4	Region:	STATE
Owner Name:	UNION OIL CO.	Box Number:	Not reported
Owner Address:	1 CALIFORNIA ST. SUITE 2700		
	SAN FRANCISCO, CA 94111		

**J42**  
**SE**  
 1/4-1/2  
 1672 ft.

**UNOCAL**  
**900 LIVERMORE AVE S**  
**LIVERMORE, CA 94550**

**LUST** **S104396749**  
**Cortese** **N/A**

**Site 4 of 4 in cluster J**

**Relative:**  
**Higher**

**State LUST:**

**Actual:**  
**520 ft.**

Cross Street:	Not reported
Qty Leaked:	Not reported
Case Number:	01-1617
Reg Board:	2
Chemical:	Waste Oil
Lead Agency:	Local Agency
Local Agency :	0
Case Type:	Soil only
Status:	Case Closed
Review Date:	Not reported
Workplan:	Not reported
Pollution Char:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	11/23/1994
Release Date:	10/26/1987
Cleanup Fund Id :	Not reported
Discover Date :	10/26/1987
Enforcement Dt :	Not reported
Enf Type:	Not reported
Enter Date :	10/30/1992
Funding:	Federal Funds
Staff Initials:	UNK
How Discovered:	Tank Closure
How Stopped:	Not reported
Interim :	Yes
Leak Cause:	Structure Failure
Leak Source:	Tank
MTBE Date :	/ /
Max MTBE GW :	0 Parts per Billion
MTBE Tested:	Not Required to be Tested.

Confirm Leak:	Not reported
Prelim Assess:	Not reported
Remed Plan:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

UNOCAL (Continued)

S104396749

Priority: Not reported  
Local Case # : 4361  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin # : Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 02/28/1995  
Stop Date : 10/26/1987  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600101492  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Mtbe Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 4361  
Facility Id: 01-1617  
Facility Status: Case Closed  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: / /  
Prelim. Site Assesment Wokptan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

CORTESE:

Region: CORTESE  
Fac Address 2: 900 LIVERMORE AVE S

43  
WNW  
1/4-1/2  
1710 ft.

VEL HEATING & PLUMBING  
2326 001ST ST  
LIVERMORE, CA 94550

CA FID UST S101623825  
N/A

Relative:  
Lower

Actual:  
490 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

**MAP FINDINGS**

**VEL HEATING & PLUMBING (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S101623825**

**FID:**

Facility ID:	01002634	Regulate ID:	00021194
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	2326 001ST ST		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**K44**     **J & W DEVELOPMENT**  
**NNE**     **2920 4TH ST**  
**1/4-1/2**     **LIVERMORE, CA 94550**  
**1724 ft.**

**LUST**     **S105024492**  
**Cortese**     **N/A**

**Site 1 of 3 in cluster K**

**Relative:**  
**Lower**

**State LUST:**

**Actual:**  
**501 ft.**

Cross Street:	Not reported	Confirm Leak:	Not reported
Qty Leaked:	Not reported	Prelim Assess:	2/11/93
Case Number	01-0810	Remed Plan:	Not reported
Reg Board:	2		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	0		
Case Type:	Soil only		
Status:	Case Closed		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	Not reported		
Workplan:	2/11/93		
Pollution Char:	Not reported		
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	11/23/1994		
Release Date:	08/29/1989		
Cleanup Fund Id :	Not reported		
Discover Date :	08/28/1989		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	11/03/1989		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	Structure Failure		
Leak Source:	Tank		
MTBE Date :	/ /		
Max MTBE GW :	0 Parts per Billion		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	3611		
Beneficial:	Not reported		
Staff :	BG		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

J & W DEVELOPMENT (Continued)

S105024492

GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin # : Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 02/28/1995  
Stop Date : 08/28/1989  
Work Suspended No  
Responsible Party BLANK RP  
RP Address: Not reported  
Global Id: T0600100746  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Mibe Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 3611  
Facility Id: 01-0810  
Facility Status: Case Closed  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: / /  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 2/11/93  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

LUST Alameda County:

Region : ALAMEDA  
Facility ID : RO0001056  
Record Id : SD0001056  
Status : Case Closed

CORTESE:

Region: CORTESE  
Fac Address 2: 2920 4th St

K45 NONE  
NNE 2920 4TH  
1/4-1/2 LIVERMORE, CA 92516  
1731 ft.

Notify 65 S100179249  
N/A

Site 2 of 3 in cluster K

Relative:  
Lower

NOTIFY 65:  
Date Reported: Not reported Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Incident Description: 92516

Actual:  
501 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NONE (Continued)

S100179249

K46  
NNE  
1/4-1/2  
1787 ft.

LIVERMORE COLLISION CENTER, IN  
2966 4TH STREET  
LIVERMORE, CA 94550

HAZNET S105938482  
EMI N/A

Site 3 of 3 in cluster K

Relative:  
Lower

HAZNET:

Actual:  
502 ft.

Gepaid: CAL000224718  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Los Angeles  
Tons: 0.12  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Recycler  
Contact: WILLIAM MILLER PRESIDENT  
Telephone: (925) 443-2848  
Mailing Address: 2966 4TH ST  
LIVERMORE, CA 94550  
County: Not reported

EMISSIONS :

Facility ID : 9062  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : 1  
Reactive Organic Gases : 1  
Carbon Monoxide Emissions : 0  
NOX Gas Emissions (Nitrogen - Oxygen) : 0  
SOX Gas Emissions (Sulphur - Oxygen) : 0

Facility ID : 9062  
Air District Code : BA  
SIC Code : 7532  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : Not reported  
Reactive Organic Gases : Not reported  
Carbon Monoxide Emissions : Not reported  
NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
SOX Gas Emissions (Sulphur - Oxygen) : Not reported

**MAP FINDINGS**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**LIVERMORE COLLISION CENTER, IN (Continued)**

**S105938482**

**47            QUALITY CLEANERS**  
**WNW        2048 1ST STREET**  
**1/4-1/2     LIVERMORE, CA 94550**  
**1819 ft.**

**EMI    S105939201**  
**N/A**

**Relative:**  
**Lower**

**EMISSIONS :**  
 Facility ID : 4484  
 Air District Code : BA  
 SIC Code : 7216  
 Total Priority Score : Not reported  
 Health Risk Assessment : Not reported  
 Non-cancer Chronic Haz Index : Not reported  
 Non-cancer Acute Haz Index : Not reported  
 Air Basin : SF  
 Air District Name : BAY AREA AQMD  
 Community Health Air Pollution Info System : Not reported  
 Consolidated Emission Reporting Rule : Not reported  
 Total Organic Hydrocarbon Gases : Not reported  
 Reactive Organic Gases : Not reported  
 Carbon Monoxide Emissions : Not reported  
 NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
 SOX Gas Emissions (Sulphur - Oxygen) : Not reported

**Actual:**  
**490 ft.**

**48            LIVERMORE CITY OF**  
**NNW        2500 RAILROAD AVE**  
**1/4-1/2     LIVERMORE, CA 94550**  
**1842 ft.**

**RCRIS-SQG    1000595370**  
**FINDS    CAD983593062**  
**HAZNET**  
**LUST**  
**Cortese**

**Relative:**  
**Lower**

**RCRIS:**  
 Owner: LIVERMORE CITY OF  
           (415) 555-1212  
 EPA ID: CAD983593062  
 Contact: ISGANITIS PETER  
           (415) 373-5220  
 Classification: Small Quantity Generator  
 TSD Activities: Not reported  
 Violation Status: No violations found

**Actual:**  
**493 ft.**

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**State LUST:**  
 Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: 01-1697  
 Reg Board: 2  
 Chemical: Waste Oil  
 Lead Agency: Local Agency  
 Local Agency: 0  
 Case Type: Undefined  
 Status: Case Closed  
 Abate Method: No Action Taken - no action has as yet been taken at the site  
 Review Date: Not reported                      Confirm Leak: Not reported  
 Workplan: Not reported                          Prelim Assess: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**LIVERMORE CITY OF (Continued)**

1000595370

Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	05/02/1996		
Release Date:	05/04/1993		
Cleanup Fund Id :	Not reported		
Discover Date :	05/04/1993		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	06/15/1993		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date :	//		
Max MTBE GW :	0 Parts per Billion		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	3016		
Beneficial:	Not reported		
Staff :	BG		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	Local Oversight Program UST		
Oversight Prgm :	LOP		
Review Date :	08/07/1996		
Stop Date :	05/04/1993		
Work Suspended :	No		
Responsible Party	BLANK RP		
RP Address:	Not reported		
Global Id:	T0600101568		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

**LUST Region 2:**

Region:	2
Case Number:	3016
Facility Id:	01-1697
Facility Status:	Case Closed
How Discovered:	TC
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	//
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**LIVERMORE CITY OF (Continued)**

**1000595370**

Pollution Characterization Began: Not reported  
 Pollution Remediation Plan Submitted: Not reported  
 Date Remediation Action Underway: Not reported  
 Date Remediation Action Underway: Not reported

**HAZNET:**

Gepaid: CAD983593062  
 TSD EPA ID: CAD009466392  
 Gen County: 1  
 Tsd County: 7  
 Tons: .5000  
 Waste Category: Other empty containers 30 gallons or more  
 Disposal Method: Recycler  
 Contact: LIVERMORE CITY OF  
 Telephone: (415) 555-1212  
 Mailing Address: 1052 S LIVERMORE AVE  
 LIVERMORE, CA 94550  
 County 1

Gepaid: CAD983593062  
 TSD EPA ID: CAD009466392  
 Gen County: 1  
 Tsd County: 7  
 Tons: 3.5000  
 Waste Category: Other empty containers 30 gallons or more  
 Disposal Method: Disposal, Other  
 Contact: LIVERMORE CITY OF  
 Telephone: (415) 555-1212  
 Mailing Address: 1052 S LIVERMORE AVE  
 LIVERMORE, CA 94550  
 County 1

**CORTESE:**

Region: CORTESE  
 Fac Address 2: Not reported

**49 LIVERMORE GERMAN AUTO**  
**North 2730 OLD 1ST ST**  
**1/4-1/2 LIVERMORE, CA 94550**  
**1849 ft.**

**LUST S101580054**  
**Cortese N/A**

**Relative:**  
**Lower**

**State LUST:**

Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: 01-0679  
 Reg Board: 2  
 Chemical: Gasoline  
 Lead Agency: Local Agency  
 Local Agency: 0  
 Case Type: Other ground water affected  
 Status: Case Closed  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

**Actual:**  
**496 ft.**

Review Date: 11/16/1992  
 Workplan: Not reported  
 Pollution Char: Not reported  
 Remed Action: Not reported  
 Monitoring: Not reported  
 Close Date: 09/15/1999  
 Release Date: 06/05/1990  
 Confirm Leak: 11/16/1992  
 Prelim Assess: Not reported  
 Remed Plan: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LIVERMORE GERMAN AUTO (Continued)

S101580054

Cleanup Fund Id : Not reported  
Discover Date : 06/05/1990  
Enforcement Dt : 11/16/92  
Enf Type: EF  
Enter Date : 11/25/1992  
Funding: Federal Funds  
Staff Initials: UNK  
How Discovered: Tank Closure  
How Stopped: Not reported  
Interim : Yes  
Leak Cause: Structure Failure  
Leak Source: Tank  
MTBE Date : 01/02/1965  
Max MTBE GW : 600 Parts per Billion  
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case # : 2871  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : <  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 03/29/2000  
Stop Date : 06/05/1990  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600100624  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mtbe Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 2871  
Facility Id: 01-0679  
Facility Status: Case Closed  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 11/16/1992  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIVERMORE GERMAN AUTO (Continued)**

**S101580054**

LUST Alameda County:  
 Region : ALAMEDA  
 Facility ID : RO0000909  
 Record Id : SD0000909  
 Status : Case Closed

CORTESE:  
 Region: CORTESE  
 Fac Address 2: 2730 Old 1st St

**L50 FAST GAS**  
**NNW 2620 E. OLD FIRST STREET**  
**1/4-1/2 LIVERMORE, CA 94550**  
**1923 ft.**

**HIST UST U001597304**  
**N/A**

**Site 1 of 2 in cluster L**

Relative:  
 Lower

UST HIST:  
 Facility ID: 13884                      Facility Status: Not reported  
 Total Tanks: 3                          Region: STATE  
 Owner Name: KAYO OIL COMPANY      Box Number: Not reported  
 Owner Address: 1221 E. MAIN STREET  
    CHATTANOOGA, TN 37408

Actual:  
 494 ft.

**M51 DESERT PETROLEUM**  
**WNW 2008 1ST ST**  
**1/4-1/2 LIVERMORE, CA**  
**1934 ft.**

**LUST S105870674**  
**N/A**

**Site 1 of 2 in cluster M**

Relative:  
 Lower

LUST Alameda County:  
 Region : ALAMEDA  
 Facility ID : RO0000278  
 Record Id : SD0000278  
 Status : No Action

Actual:  
 489 ft.

**M52 B&C GAS MINI MART**  
**WNW 2008 FIRST STREET**  
**1/4-1/2 LIVERMORE, CA 94550**  
**1934 ft.**

**UST U003776590**  
**N/A**

**Site 2 of 2 in cluster M**

Relative:  
 Lower

State UST:  
 Facility ID: 01-006-009423  
 Region: STATE  
 Local Agency: 1006

Actual:  
 489 ft.

**L53 AUTO LUBE**  
**NNW 2654 FIRST ST**  
**1/4-1/2 LIVERMORE, CA 94550**  
**1941 ft.**

**CA FID UST S101580330**  
**N/A**

**Site 2 of 2 in cluster L**

Relative:  
 Lower

Actual:  
 494 ft.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**AUTO LUBE (Continued)**

**S101580330**

FID:  
 Facility ID: 01002504 Regulate ID: Not reported  
 Reg By: Active Underground Storage Tank Location  
 Cortese Code: Not reported SIC Code: Not reported  
 Status: Active Facility Tel: (415) 449-1714  
 Mail To: Not reported  
 2654 FIRST ST  
 LIVERMORE, CA 94550  
 Contact: Not reported Contact Tel: Not reported  
 DUNs No: Not reported NPDES No: Not reported  
 Creation: 10/22/93 Modified: 00/00/00  
 EPA ID: Not reported  
 Comments: Not reported

**N54 NW**  
**1/4-1/2**  
**1951 ft.**

**LIVERMORE AGRICULTURAL OF**  
**2418 RAILROAD**  
**LIVERMORE, CA 94550**

**Cortese S101580077**  
**CA FID UST N/A**

**Site 1 of 2 in cluster N**

**Relative:**  
**Lower**

**CORTESE:**  
 Region: CORTESE  
 Fac Address 2: Not reported

**Actual:**  
**491 ft.**

FID:  
 Facility ID: 01001032 Regulate ID: Not reported  
 Reg By: Active Underground Storage Tank Location  
 Cortese Code: Not reported SIC Code: Not reported  
 Status: Active Facility Tel: Not reported  
 Mail To: Not reported  
 4400 MAC ARTHUR BLVD  
 LIVERMORE, CA 94550  
 Contact: Not reported Contact Tel: Not reported  
 DUNs No: Not reported NPDES No: Not reported  
 Creation: 10/22/93 Modified: 00/00/00  
 EPA ID: Not reported  
 Comments: Not reported

**N55 NW**  
**1/4-1/2**  
**1987 ft.**

**LIVERMORE CORPORATION YARD**  
**2376 RAILROAD AVE**  
**LIVERMORE, CA 94612**

**HAZNET S101623808**  
**CA FID UST N/A**

**Site 2 of 2 in cluster N**

**Relative:**  
**Lower**

**HAZNET:**  
 Gepaid: CAL000022995  
 TSD EPA ID: Not reported  
 Gen County: Alameda  
 Tsd County: Los Angeles  
 Tons: 1.12  
 Waste Category: Unspecified alkaline solution  
 Disposal Method: Not reported  
 Contact: UNDELIVERABLE SURVEY 2-20-95LH  
 Telephone: --  
 Mailing Address: 2376 RAILROAD AVE  
 LIVERMORE, CA 94550  
 County: Not reported

**Actual:**  
**490 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**LIVERMORE CORPORATION YARD (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S101623808**

**FID:**

Facility ID:	01002644	Regulate ID:	00027281
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	4400 MACARTHUR BLVD		
	LIVERMORE, CA 94612		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**56  
 NW  
 1/4-1/2  
 1991 ft.**

**LIVERMORE CORPORATION YARD  
 2376 RAILROAD AVE  
 LIVERMORE, CA 94550**

**HIST UST U001597334  
 N/A**

**Relative:  
 Lower**

**UST HIST:**

Facility ID:	27281	Facility Status:	Not reported
Total Tanks:	2	Region:	STATE
Owner Name:	COUNTY OF ALAMEDA	Box Number:	Not reported
Owner Address:	4400-B MACARTHUR BOULEVARD OAKLAND, CA 94619		

**Actual:  
 490 ft.**

**O57  
 North  
 1/4-1/2  
 1997 ft.**

**BEACON  
 2620 OLD 1ST ST E  
 LIVERMORE, CA 94550**

**LUST S101580176  
 Cortese N/A**

**Site 1 of 2 in cluster O**

**Relative:  
 Lower**

**State LUST:**

Cross Street:	Not reported	Confirm Leak:	Not reported
Qty Leaked:	Not reported	Prelim Assess:	3/22/91
Case Number:	01-1528	Remed Plan:	Not reported
Reg Board:	2		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	0		
Case Type:	Other ground water affected		
Status:	No Action		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported		
Workplan:	3/22/91		
Pollution Char:	Not reported		
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	04/04/1991		
Cleanup Fund Id :	Not reported		
Discover Date :	04/04/1991		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	06/25/1991		
Funding:	Federal Funds		
Staff Initials:	UNK		

**Actual:  
 496 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BEACON (Continued)

S101580176

How Discovered: Tank Closure  
How Stopped: Not reported  
Interim : Yes  
Leak Cause: Structure Failure  
Leak Source: Tank  
MTBE Date : 09/15/1998  
Max MTBE GW : 100 Parts per Billion  
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case # : 3584  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 03/04/1999  
Stop Date : 05/30/1991  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600101411  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mtbe Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 3584  
Facility Id: 01-1528  
Facility Status: Pollution Characterization  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: / /  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 3/22/91  
Pollution Characterization Began: 3/2/93  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

LUST Alameda County:

Region : ALAMEDA  
Facility ID : RO0001048  
Record Id : SD0001048  
Status : Case Closed

CORTESE:

Region: CORTESE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**BEACON (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Fac Address 2: 2620 OLD 1ST ST E

**S101580176**

**O58**  
 North  
 1/4-1/2  
 1997 ft.

**BEACON #719**  
 2620 E OLD 1ST ST  
 LIVERMORE, CA 95240

**CA FID UST S106027252**  
 N/A

Site 2 of 2 in cluster O

Relative:  
 Lower

FID:

Actual:  
 496 ft.

Facility ID:	01001641	Regulate ID:	00013884
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(415) 447-8949
Mail To:	Not reported		
	525 W 3RD ST		
	LIVERMORE, CA 95240		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**59**  
 SE  
 1/4-1/2  
 2011 ft.

**PACIFIC AVENUE CLEANERS**  
 3018 PACIFIC AVENUE  
 LIVERMORE, CA 94550

**EMI S105938954**  
 N/A

Relative:  
 Higher

EMISSIONS :

Actual:  
 523 ft.

Facility ID :	7272
Air District Code :	BA
SIC Code :	7216
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	0
Reactive Organic Gases :	0
Carbon Monoxide Emissions :	0
NOX Gas Emissions (Nitrogen - Oxygen) :	0
SOX Gas Emissions (Sulphur - Oxygen) :	0

Facility ID :	7272
Air District Code :	BA
SIC Code :	7216
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	Not reported
Reactive Organic Gases :	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**PACIFIC AVENUE CLEANERS (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Carbon Monoxide Emissions : Not reported  
 NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
 SOX Gas Emissions (Sulphur - Oxygen) : Not reported

**S105938954**

**P60**  
**WNW**  
 1/4-1/2  
 2040 ft.

**GASCO SERVICE STATION #795**  
**2008 1ST ST**  
**LIVERMORE, CA 94550**

**HIST UST**    **U001597310**  
 N/A

**Site 1 of 2 in cluster P**

**Relative:**  
**Lower**

**UST HIST:**

Facility ID:	9423	Facility Status:	Not reported
Total Tanks:	4	Region:	STATE
Owner Name:	DESERT PETROLEUM, INC.	Box Number:	Not reported
Owner Address:	POST OFFICE BOX 1601 OXNARD, CA 93032		

**Actual:**  
**489 ft.**

**P61**  
**WNW**  
 1/4-1/2  
 2040 ft.

**DESERT PETROLEUM BP**  
**2008 1ST ST**  
**LIVERMORE, CA 94550**

**HAZNET**    **S103639940**  
**LUST**        **N/A**  
**Cortese**

**Site 2 of 2 in cluster P**

**Relative:**  
**Lower**

**State LUST:**

Cross Street:	L ST S		
Qty Leaked:	Not reported		
Case Number	01-1008		
Reg Board:	2		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	0		
Case Type:	Other ground water affected		
Status:	Remedial action (cleanup) Underway		
Abate Method:	No Action Taken - no action has as yet been taken at the site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	1/4/01	Prelim Assess:	1/4/01
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	2/5/01		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	02/23/1988		
Cleanup Fund Id :	Not reported		
Discover Date :	02/23/1988		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	11/26/1990		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	Structure Failure		
Leak Source:	Tank		
MTBE Date :	10/05/1995		
Max MTBE GW :	47000 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	1689		

**Actual:**  
**489 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DESERT PETROLEUM BP (Continued)

S103639940

Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: LIVERMORE VALLEY  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 08/08/2001  
Stop Date : 03/03/1988  
Work Suspended :No  
Responsible PartyB & C GAS MINI MART  
RP Address: Not reported  
Global Id: T0600100930  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mtbe Fuel: 1  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 1689  
Facility Id: 01-1008  
Facility Status: Remedial action (cleanup) Underway  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: / /  
Prelim. Site Assesment Wokplan Submitted: 1/1/65  
Preliminary Site Assesment Began: 1/4/01  
Pollution Characterization Began: 2/5/01  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

HAZNET:

Gepaid: CAL000141898  
TSD EPA ID: CAD009466392  
Gen County: 1  
Tsd County: 7  
Tons: 14.0000  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Contact: BALAJI ANGLE  
Telephone: (510) 449-2194  
Mailing Address: 2008 FIRST STREET  
LIVERMORE, CA 94550 - 4406  
County 1

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**DESERT PETROLEUM BP (Continued)**

**S103639940**

Gepaid: CAL000141898  
 TSD EPA ID: CAD083166728  
 Gen County: 1  
 Tsd County: Stanislaus  
 Tons: 1.2510  
 Waste Category: Unspecified oil-containing waste  
 Disposal Method: Recycler  
 Contact: BALAJI ANGLE  
 Telephone: (510) 449-2194  
 Mailing Address: 2008 FIRST STREET  
 LIVERMORE, CA 94550 - 4406  
 County 1

Gepaid: CAL000141898  
 TSD EPA ID: CAT080011059  
 Gen County: 1  
 Tsd County: Los Angeles  
 Tons: .2000  
 Waste Category: Unspecified oil-containing waste  
 Disposal Method: Disposal, Other  
 Contact: BALAJI ANGLE  
 Telephone: (510) 449-2194  
 Mailing Address: 2008 FIRST STREET  
 LIVERMORE, CA 94550 - 4406  
 County 1

CORTESE:  
 Region: CORTESE  
 Fac Address 2: 2008 1ST ST

62  
 North  
 1/4-1/2  
 2115 ft.

**PIT STOP AUTO REPAIR**  
**2680 OLD FIRST ST**  
**LIVERMORE, CA 94550**

**CA FID UST S105153694**  
**HIST UST N/A**

**Relative:**  
**Lower**

FID:  
 Facility ID: 01002239 Regulate ID: 00059101  
 Reg By: Inactive Underground Storage Tank Location  
 Cortese Code: Not reported SIC Code: Not reported  
 Status: Inactive Facility Tel: (415) 455-6891  
 Mail To: Not reported  
 2680 OLD FIRST ST  
 LIVERMORE, CA 94550  
 Contact: Not reported Contact Tel: Not reported  
 DUNs No: Not reported NPDES No: Not reported  
 Creation: 10/22/93 Modified: 00/00/00  
 EPA ID: Not reported  
 Comments: Not reported

**Actual:**  
**496 ft.**

UST HIST:  
 Facility ID: 59101 Facility Status: Not reported  
 Total Tanks: 4 Region: STATE  
 Owner Name: JOE MORGENSTERN Box Number: Not reported  
 Owner Address: 6033 EAST AVE  
 LIVERMORE, CA 94550

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**Q63 GROTH BROS OLDSMOBILE INC**  
**WNW 59 SOUTH L STREET**  
**1/4-1/2 LIVERMORE, CA 94550**  
**2170 ft.**

**RCRIS-SQG 1000405003**  
**FINDS CAD981400211**  
**HAZNET**  
**LUST**  
**Cortese**  
**CA FID UST**  
**HIST UST**  
**EMI**

**Relative:**  
**Lower**

Site 1 of 2 in cluster Q

**Actual:**  
**487 ft.**

**RCRIS:**

Owner: GROTH SR WILLIAM M, GROTH RICHARD G  
 (415) 555-1212  
 EPA ID: CAD981400211  
 Contact: ENVIRONMENTAL MANAGER  
 (415) 447-5161  
 Classification: Small Quantity Generator  
 TSD Activities: Not reported  
 Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 National Emissions Inventory (NEI)  
 National Emissions Trends (NET)  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**State LUST:**

Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: 01-1788  
 Reg Board: 2  
 Chemical: Waste Oil  
 Lead Agency: Local Agency  
 Local Agency: 0  
 Case Type: Undefined  
 Status: No Action  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site  
 Review Date: 03/23/1992  
 Workplan: 1/2/65  
 Pollution Char: Not reported  
 Remed Action: Not reported  
 Monitoring: Not reported  
 Close Date: Not reported  
 Release Date: 03/08/1991  
 Cleanup Fund Id: Not reported  
 Discover Date: 10/01/1990  
 Enforcement Dt: 9/30/93  
 Enf Type: EF  
 Enter Date: 06/17/1993  
 Funding: Federal Funds  
 Staff Initials: UNK  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Interim: Yes  
 Leak Cause: Structure Failure  
 Leak Source: Tank  
 MTBE Date: / /  
 Max MTBE GW: 0 Parts per Billion

Confirm Leak: 03/23/1992  
 Prelim Assess: 1/2/65  
 Remed Plan: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**GROTH BROS OLDSMOBILE INC (Continued)**

1000405003

MTBE Tested: Not Required to be Tested.  
Priority: Not reported  
Local Case # : 2935  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 01/18/2000  
Stop Date : 10/01/1990  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600101656  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 0  
Mtbe Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

**LUST Region 2:**

Region: 2  
Case Number: 2935  
Facility Id: 01-1788  
Facility Status: Preliminary site assessment underway  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: 03/23/1992  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: 1/2/65  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

**HAZNET:**

Gepaid: CAD981400211  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .1668  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Not reported  
Contact: GROTH BROS OLDSMOBILE INC  
Telephone: (510) 447-3190  
Mailing Address: PO BOX 232  
LIVERMORE, CA 94551 - 0232  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

GROTH BROS OLDSMOBILE INC (Continued)

1000405003

Gepaid: CAD981400211  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .0000  
Waste Category:  
Disposal Method: Not reported  
Contact: GROTH BROS OLDSMOBILE INC  
Telephone: (510) 447-3190  
Mailing Address: PO BOX 232  
LIVERMORE, CA 94551 - 0232  
County 1

Gepaid: CAD981400211  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 3.6696  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Contact: GROTH BROS OLDSMOBILE INC  
Telephone: (510) 447-3190  
Mailing Address: PO BOX 232  
LIVERMORE, CA 94551 - 0232  
County 1

Gepaid: CAD981400211  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .0000  
Waste Category:  
Disposal Method: Recycler  
Contact: GROTH BROS OLDSMOBILE INC  
Telephone: (510) 447-3190  
Mailing Address: PO BOX 232  
LIVERMORE, CA 94551 - 0232  
County 1

Gepaid: CAD981400211  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 1.6886  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Recycler  
Contact: GROTH BROS OLDSMOBILE INC  
Telephone: (510) 447-3190  
Mailing Address: PO BOX 232  
LIVERMORE, CA 94551 - 0232  
County 1

The CA HAZNET database contains 50 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

CORTESE:  
Region: CORTESE  
Fac Address 2: 59 L ST S

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GROTH BROS OLDSMOBILE INC (Continued)**

**1000405003**

**FID:**

Facility ID:	01000852	Regulate ID:	00021783
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	P O BOX		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**UST HIST:**

Facility ID:	21783	Facility Status:	Not reported
Total Tanks:	7	Region:	STATE
Owner Name:	GROTH BROS. OLDSMOBILE, INC.	Box Number:	Not reported
Owner Address:	59 SO. "L" ST., P.O. BOX 232		
	LIVERMORE, CA 94550		

**EMISSIONS :**

Facility ID :	3723
Air District Code :	BA
SIC Code :	7539
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	Not reported
Reactive Organic Gases :	Not reported
Carbon Monoxide Emissions :	Not reported
NOX Gas Emissions (Nitrogen - Oxygen) :	Not reported
SOX Gas Emissions (Sulphur - Oxygen) :	Not reported

Facility ID :	3723
Air District Code :	BA
SIC Code :	7539
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	1
Reactive Organic Gases :	1
Carbon Monoxide Emissions :	0
NOX Gas Emissions (Nitrogen - Oxygen) :	0
SOX Gas Emissions (Sulphur - Oxygen) :	0

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GROTH BROS OLDSMOBILE INC (Continued)**

1000405003

Q64  
 WNW  
 1/4-1/2  
 2209 ft.

**GROTH BROS OLDSMOBILE**  
 59 L ST  
 LIVERMORE, CA

LUST S106059404  
 N/A

Site 2 of 2 in cluster Q

Relative:  
 Lower

LUST Alameda County:

Region : ALAMEDA  
 Facility ID : RO0000217  
 Record Id : SD0000217  
 Status : Leak being confirmed

Actual:  
 487 ft.

R65  
 NNW  
 1/4-1/2  
 2232 ft.

**DON-SUL INC.**  
 187 NO "I" ST.  
 LIVERMORE, CA 94550

HIST UST U001597295  
 N/A

Site 1 of 2 in cluster R

Relative:  
 Lower

UST HIST:

Facility ID: 57582	Facility Status: Not reported
Total Tanks: 1	Region: STATE
Owner Name: DON-SUL INC.	Box Number: Not reported
Owner Address: 187 NO "I" ST. LIVERMORE, CA 94550	

Actual:  
 492 ft.

R86  
 NNW  
 1/4-1/2  
 2232 ft.

**DON-SUL INC.**  
 187 N I ST  
 LIVERMORE, CA 94550

CA FID UST S101623784  
 N/A

Site 2 of 2 in cluster R

Relative:  
 Lower

FID:

Facility ID: 01002759	Regulate ID: 00057582
Reg By: Active Underground Storage Tank Location	
Cortese Code: Not reported	SIC Code: Not reported
Status: Active	Facility Tel: (415) 455-1900
Mail To: Not reported 187 N I ST LIVERMORE, CA 94550	
Contact: Not reported	Contact Tel: Not reported
DUNs No: Not reported	NPDES No: Not reported
Creation: 10/22/93	Modified: 00/00/00
EPA ID: Not reported	
Comments: Not reported	

Actual:  
 492 ft.

S67  
 North  
 1/4-1/2  
 2292 ft.

**ASSOCIATED ELECTRONICS CO.**  
 233 JUNCTION AVE  
 LIVERMORE, CA 94550

CA FID UST S101623769  
 N/A

Site 1 of 2 in cluster S

Relative:  
 Lower

Actual:  
 495 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ASSOCIATED ELECTRONICS CO. (Continued)

S101623769

FID:  
Facility ID: 01002712 Regulate ID: 00046535  
Reg By: Active Underground Storage Tank Location  
Cortese Code: Not reported SIC Code: Not reported  
Status: Active Facility Tel: (415) 447-1226  
Mail To: Not reported  
725 N O ST  
LIVERMORE, CA 94550  
Contact: Not reported Contact Tel: Not reported  
DUNs No: Not reported NPDES No: Not reported  
Creation: 10/22/93 Modified: 00/00/00  
EPA ID: Not reported  
Comments: Not reported

S68  
North  
1/4-1/2  
2292 ft.

ASSOCIATED ELECTRONICS CO.  
233 JUNCTION AVE  
LIVERMORE, CA 94550

HAZNET U001597275  
HIST UST N/A

Site 2 of 2 in cluster S

Relative:  
Lower

HAZNET:  
Gepaid: CAC001243472  
TSD EPA ID: CAD009466392  
Gen County: 1  
Tsd County: 7  
Tons: .5000  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Contact: CORPORATION  
Telephone: (000) 000-0000  
Mailing Address: 233 JUNCTION AVENUE  
LIVERMORE, CA 94550  
County 1

Actual:  
495 ft.

Gepaid: CAC001243472  
TSD EPA ID: CAT080025711  
Gen County: 1  
Tsd County: San Bernardino  
Tons: .3127  
Waste Category: Waste oil and mixed oil  
Disposal Method: Not reported  
Contact: CORPORATION  
Telephone: (000) 000-0000  
Mailing Address: 233 JUNCTION AVENUE  
LIVERMORE, CA 94550  
County 1

Gepaid: CAC001243472  
TSD EPA ID: CAT080025711  
Gen County: 1  
Tsd County: San Bernardino  
Tons: .3127  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Contact: CORPORATION  
Telephone: (000) 000-0000  
Mailing Address: 233 JUNCTION AVENUE  
LIVERMORE, CA 94550  
County 1



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ASSOCIATED ELECTRONICS CO. (Continued)

U001597275

UST HIST:

Facility ID: 46535 Facility Status: Not reported  
Total Tanks: 1 Region: STATE  
Owner Name: LOUIS C. SKIPPER DBA ASSOCIATE Box Number: Not reported  
Owner Address: 233 JUNCTION AVE.  
LIVERMORE, CA 94550

69  
NW  
1/4-1/2  
2309 ft.

PURITY CLEANERS & LAUNDRY INC  
183 N LIVERMORE  
LIVERMORE, CA 94550

HAZNET S103637462  
EMI N/A

Relative:  
Lower

HAZNET:

Actual:  
488 ft.

Gepaid: CAD981695133  
TSD EPA ID: CAD053044053  
Gen County: 1  
Tsd County: 1  
Tons: .0900  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Not reported  
Contact: DE SOUSA FAMILY  
Telephone: (510) 447-6267  
Mailing Address: 183 N LIVERMORE AVE  
LIVERMORE, CA 94550 - 3158  
County 1  
Gepaid: CAD981695133  
TSD EPA ID: CAD053044053  
Gen County: 1  
Tsd County: 1  
Tons: 1.1475  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Transfer Station  
Contact: DE SOUSA FAMILY  
Telephone: (510) 447-6267  
Mailing Address: 183 N LIVERMORE AVE  
LIVERMORE, CA 94550 - 3158  
County 1  
Gepaid: CAD981695133  
TSD EPA ID: CA0000084517  
Gen County: 1  
Tsd County: Sacramento  
Tons: .0000  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Not reported  
Contact: DE SOUSA FAMILY  
Telephone: (510) 447-6267  
Mailing Address: 183 N LIVERMORE AVE  
LIVERMORE, CA 94550 - 3158  
County 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

PURITY CLEANERS & LAUNDRY INC (Continued)

S103637462

Gepaid: CAD981695133  
TSD EPA ID: CA0000084517  
Gen County: 1  
Tsd County: Sacramento  
Tons: 2.2183  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Transfer Station  
Contact: DE SOUSA FAMILY  
Telephone: (510) 447-6267  
Mailing Address: 183 N LIVERMORE AVE  
LIVERMORE, CA 94550 - 3158  
County 1  
Gepaid: CAD981695133  
TSD EPA ID: CA0000084517  
Gen County: 1  
Tsd County: Sacramento  
Tons: .0000  
Waste Category:  
Disposal Method: Transfer Station  
Contact: DE SOUSA FAMILY  
Telephone: (510) 447-6267  
Mailing Address: 183 N LIVERMORE AVE  
LIVERMORE, CA 94550 - 3158  
County 1

The CA HAZNET database contains 10 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

EMISSIONS :

Facility ID : 4716  
Air District Code : BA  
SIC Code : 7216  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : Not reported  
Reactive Organic Gases : Not reported  
Carbon Monoxide Emissions : Not reported  
NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
SOX Gas Emissions (Sulphur - Oxygen) : Not reported

Facility ID : 4716  
Air District Code : BA  
SIC Code : 7216  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

Site	Database(s)	EDR ID Number	EPA ID Number
------	-------------	---------------	---------------

**PURITY CLEANERS & LAUNDRY INC (Continued)**

**S103637462**

Total Organic Hydrocarbon Gases :	1
Reactive Organic Gases :	0
Carbon Monoxide Emissions :	0
NOX Gas Emissions (Nitrogen - Oxygen) :	0
SOX Gas Emissions (Sulphur - Oxygen) :	0

**70**  
**WNW**  
**1/4-1/2**  
**2345 ft.**

**DESERT PETROLEUM**  
**2008 001ST ST**  
**LIVERMORE, CA 94550**

**CA FID UST**    **S101580352**  
**N/A**

**Relative:**  
**Lower**

FID:

Facility ID:	01002567	Regulate ID:	00009423
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	P O BOX		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**T71**  
**North**  
**1/4-1/2**  
**2425 ft.**

**CORPORATION YARD**  
**2801 LADD AVE**  
**LIVERMORE, CA 94550**

**CA FID UST**    **S101630299**  
**N/A**

**Site 1 of 2 in cluster T**

**Relative:**  
**Lower**

FID:

Facility ID:	01002772	Regulate ID:	00058719
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	2801 LADD AVE		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**T72**  
**North**  
**1/4-1/2**  
**2425 ft.**

**CORPORATION YARD**  
**2801 LADD AVE**  
**LIVERMORE, CA 94550**

**HIST UST**    **U001597290**  
**N/A**

**Site 2 of 2 in cluster T**

**Relative:**  
**Lower**

UST HIST:

Facility ID:	58719	Facility Status:	Not reported
Total Tanks:	1	Region:	STATE
Owner Name:	LIVERMORE VALLEY JOINT UNIFIED	Box Number:	Not reported
Owner Address:	685 LAS POSITAS BLVD. LIVERMORE, CA 94550		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CORPORATION YARD (Continued)

Database(s)  
EDR ID Number  
EPA ID Number

U001597290

73  
WNW  
1/4-1/2  
2457 ft.

J CLEANERS  
2093 RAILROAD AVENUE  
LIVERMORE, CA 94550

HAZNET  
CLEANERS  
EMI  
S104581485  
N/A

Relative:  
Lower

CA Cleaners:

Create Date: 06/04/98  
Inactive Date: / /  
EPA Id: CAL000188428

Create Date: 06/04/98  
Inactive Date: / /  
EPA Id: CAL000188428

Create Date: 06/04/98  
Inactive Date: / /  
EPA Id: CAL000188428

Create Date: 06/04/98  
Inactive Date: / /  
EPA Id: CAL000188428

Actual:  
485 ft.

HAZNET:

Gepaid: CAL000188428  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Contra Costa  
Tons: Not reported  
Waste Category: Off-specification, aged, or surplus organics  
Disposal Method: Not reported  
Contact: KISUN CHOI\ OWNER  
Telephone: (925) 455-4444  
Mailing Address: 2093 RAILROAD AVE  
LIVERMORE, CA 94550  
County: Not reported

Gepaid: CAL000188428  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Contra Costa  
Tons: Not reported  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Not reported  
Contact: KISUN CHOI\ OWNER  
Telephone: (925) 455-4444  
Mailing Address: 2093 RAILROAD AVE  
LIVERMORE, CA 94550  
County: Not reported

Gepaid: CAL000188428  
TSD EPA ID: Not reported  
Gen County: Alameda  
Tsd County: Contra Costa  
Tons: 0.36  
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l  
Disposal Method: Transfer Station  
Contact: KISUN CHOI\ OWNER  
Telephone: (925) 455-4444  
Mailing Address: 2093 RAILROAD AVE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**J CLEANERS (Continued)**

**S104581485**

County LIVERMORE, CA 94550  
 Not reported

Gepaid: CAL000188428  
 TSD EPA ID: Not reported  
 Gen County: Alameda  
 Tsd County: Contra Costa  
 Tons: Not reported  
 Waste Category: Solids or sludges with halogenated organic compounds > 1000mg/kg  
 Disposal Method: Not reported  
 Contact: KISUN CHOI\ OWNER  
 Telephone: (925) 455-4444  
 Mailing Address: 2093 RAILROAD AVE  
 LIVERMORE, CA 94550

County Not reported

Gepaid: CAL000188428  
 TSD EPA ID: CAD981397417  
 Gen County: 1  
 Tsd County: Los Angeles  
 Tons: 0  
 Waste Category:  
 Disposal Method: Recycler  
 Contact: KISUN CHOI  
 Telephone: (510) 455-4444  
 Mailing Address: 2093 RAILROAD AVE  
 LIVERMORE, CA 94550

County 1

The CA HAZNET database contains 5 additional records for this site.  
 Please click here or contact your EDR Account Executive for more information.

**EMISSIONS :**

Facility ID : 10371  
 Air District Code : BA  
 SIC Code : 7216  
 Total Priority Score : Not reported  
 Health Risk Assessment : Not reported  
 Non-cancer Chronic Haz Index : Not reported  
 Non-cancer Acute Haz Index : Not reported  
 Air Basin : SF  
 Air District Name : BAY AREA AQMD  
 Community Health Air Pollution Info System : Not reported  
 Consolidated Emission Reporting Rule : Not reported  
 Total Organic Hydrocarbon Gases : Not reported  
 Reactive Organic Gases : Not reported  
 Carbon Monoxide Emissions : Not reported  
 NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
 SOX Gas Emissions (Sulphur - Oxygen) : Not reported

Facility ID : 10371  
 Air District Code : BA  
 SIC Code : 7216  
 Total Priority Score : Not reported  
 Health Risk Assessment : Not reported  
 Non-cancer Chronic Haz Index : Not reported  
 Non-cancer Acute Haz Index : Not reported  
 Air Basin : SF  
 Air District Name : BAY AREA AQMD

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**J CLEANERS (Continued)**

**S104581485**

Community Health Air Pollution Info System : Not reported  
 Consolidated Emission Reporting Rule : Not reported  
 Total Organic Hydrocarbon Gases : 0  
 Reactive Organic Gases : 0  
 Carbon Monoxide Emissions : 0  
 NOX Gas Emissions (Nitrogen - Oxygen) : 0  
 SOX Gas Emissions (Sulphur - Oxygen) : 0

**U74 ARA TRANSPORTATION**  
 North **2900 LADD AVE**  
 1/4-1/2 **LIVERMORE, CA 94550**  
 2543 ft.

**HIST UST U001597272**  
**N/A**

**Site 1 of 3 in cluster U**

**Relative:**  
**Lower**

**UST HIST:**

Facility ID:	13687	Facility Status:	Not reported
Total Tanks:	3	Region:	STATE
Owner Name:	LIVERMORE SCHOOL DISTRICT	Box Number:	Not reported
Owner Address:	2900 LADD AVE LIVERMORE, CA 94550		

**U75 TRANSPORTATION GARAGE**  
 North **2900 LADD AVE**  
 1/4-1/2 **LIVERMORE, CA 94550**  
 2543 ft.

**HIST UST U001597359**  
**N/A**

**Site 2 of 3 in cluster U**

**Relative:**  
**Lower**

**UST HIST:**

Facility ID:	58718	Facility Status:	Not reported
Total Tanks:	3	Region:	STATE
Owner Name:	LIVERMORE VALLEY JOINT UNIFIED	Box Number:	Not reported
Owner Address:	685 LAS POSITAS BLVD. LIVERMORE, CA 94550		

**U76 LAIDLAW TRANSIT INC**  
 North **2900 LADD AVE**  
 1/4-1/2 **LIVERMORE, CA 94550**  
 2543 ft.

**LUST S101580079**  
**Cortese N/A**  
**CA FID UST**

**Site 3 of 3 in cluster U**

**Relative:**  
**Lower**

**State LUST:**

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	01-0919		
Reg Board:	2		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	0		
Case Type:	Other ground water affected		
Status:	No Action		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	1/2/65	Prelim Assess:	1/2/65
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LAILAW TRANSIT INC (Continued)

S101580079

Release Date: 06/15/1990  
Cleanup Fund Id : Not reported  
Discover Date : 06/15/1990  
Enforcement Dt : 10/13/92  
Enf Type: EF  
Enter Date : 12/14/1990  
Funding: Federal Funds  
Staff Initials: UNK  
How Discovered: Tank Closure  
How Stopped: Not reported  
Interim : Yes  
Leak Cause: Structure Failure  
Leak Source: Tank  
MTBE Date : 01/02/1965  
Max MTBE GW : 19 Parts per Billion  
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected  
Priority: Not reported  
Local Case # : 3095  
Beneficial: Not reported  
Staff : BG  
GW Qualifier : Not reported  
Max MTBE Soil : Not reported  
Soil Qualifier : Not reported  
Hydr Basin #: Not reported  
Operator : Not reported  
Oversight Prgm: Local Oversight Program UST  
Oversight Prgm : LOP  
Review Date : 09/08/2000  
Stop Date : 06/15/1990  
Work Suspended :No  
Responsible Party:BLANK RP  
RP Address: Not reported  
Global Id: T0600100844  
Org Name: Not reported  
Contact Person: Not reported  
MTBE Conc: 1  
Mibe Fuel: 0  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported

LUST Region 2:

Region: 2  
Case Number: 3095  
Facility Id: 01-0919  
Facility Status: Preliminary site assessment underway  
How Discovered: TC  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: / /  
Prelim. Site Assesment Wokplan Submitted: 12/5/90  
Preliminary Site Assesment Began: 1/2/65  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Remediation Action Underway: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**LIDLAW TRANSIT INC (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S101580079**

LUST Alameda County:

Region : ALAMEDA  
 Facility ID : RO0000188  
 Record ID : SD0000188  
 Status : No Action

CORTESE:

Region: CORTESE  
 Fac Address 2: 2900 LADD AVE

FID:

Facility ID:	01001036	Regulate ID:	00058718
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	(510) 447-9500
Mail To:	Not reported		
	685 LAS POSITAS BLVD		
	LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

V77  
 West  
 1/4-1/2  
 2602 ft.

**TOSCO CORP 254186/4186/30615**  
**1771 FIRST STREET**  
**LIVERMORE, CA 94550**

**UST U003776582**  
**N/A**

Site 1 of 2 in cluster V

Relative:  
 Lower

State UST:  
 Facility ID: 01-006-000012  
 Region: STATE  
 Local Agency: 1006

Actual:  
 485 ft.

V78  
 West  
 1/4-1/2  
 2602 ft.

**UNOCAL #4186**  
**1771 1ST ST**  
**LIVERMORE, CA**

**LUST S105871038**  
**N/A**

Site 2 of 2 in cluster V

Relative:  
 Lower

LUST Alameda County:  
 Region : ALAMEDA  
 Facility ID : RO0000436  
 Record ID : SD0000436  
 Status : Leak being confirmed

Actual:  
 485 ft.

79  
 WNW  
 1/2-1  
 2668 ft.

**ARROW RENTALS**  
**187 NORTH L STREET**  
**LIVERMORE, CA 92516**

**Notify 65 S100179151**  
**N/A**

Relative:  
 Lower

NOTIFY 65:  
 Date Reported: Not reported Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 92516

Actual:  
 483 ft.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ARROW RENTALS (Continued)

S100179151

80  
NNE  
1/2-1  
4000 ft.

CALIFORNIA REFLECTIONS  
3575 1ST STREET, SUITE D  
LIVERMORE, CA 94550

HAZNET S103954341  
EMI N/A

Relative:  
Higher

HAZNET:

Gepaid: CAL000138036  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .3710  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Recycler  
Contact: KEVIN SCHELL  
Telephone: (000) 000-0000  
Mailing Address: 3575 1ST ST STE D  
LIVERMORE, CA 94550  
County 1

Actual:  
524 ft.

Gepaid: CAL000138036  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: .1334  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Not reported  
Contact: KEVIN SCHELL  
Telephone: (000) 000-0000  
Mailing Address: 3575 1ST ST STE D  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000138036  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 0.1209  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Not reported  
Contact: KEVIN SCHELL  
Telephone: (000) 000-0000  
Mailing Address: 3575 1ST ST STE D  
LIVERMORE, CA 94550  
County 1

Gepaid: CAL000138036  
TSD EPA ID: CAD009452657  
Gen County: 1  
Tsd County: San Mateo  
Tons: 0.2293  
Waste Category: Unspecified solvent mixture Waste  
Disposal Method: Recycler  
Contact: KEVIN SCHELL  
Telephone: (000) 000-0000  
Mailing Address: 3575 1ST ST STE D  
LIVERMORE, CA 94550  
County 1

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**MAP FINDINGS**

**CALIFORNIA REFLECTIONS (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S103954341**

Gepaid: CAL000138036  
 TSD EPA ID: CAD009452657  
 Gen County: 1  
 Tsd County: San Mateo  
 Tons: .1459  
 Waste Category: Unspecified solvent mixture Waste  
 Disposal Method: Recycler  
 Contact: KEVIN SCHELL  
 Telephone: (000) 000-0000  
 Mailing Address: 3575 1ST ST STE D  
 LIVERMORE, CA 94550  
 County: 1

The CA HAZNET database contains 5 additional records for this site.  
 Please click here or contact your EDR Account Executive for more information.

**EMISSIONS :**

Facility ID : 10288  
 Air District Code : BA  
 SIC Code : 7532  
 Total Priority Score : Not reported  
 Health Risk Assessment : Not reported  
 Non-cancer Chronic Haz Index : Not reported  
 Non-cancer Acute Haz Index : Not reported  
 Air Basin : SF  
 Air District Name : BAY AREA AQMD  
 Community Health Air Pollution Info System : Not reported  
 Consolidated Emission Reporting Rule : Not reported  
 Total Organic Hydrocarbon Gases : Not reported  
 Reactive Organic Gases : Not reported  
 Carbon Monoxide Emissions : Not reported  
 NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
 SOX Gas Emissions (Sulphur - Oxygen) : Not reported

**81**      **MOSC, PAUL'S SPARKLE CLEANERS**  
**West**    **1332 RAILROAD AVENUE**  
**1/2-1**    **LIVERMORE, CA 94550**  
**4598 ft.**

**Notify 65**    **S100562418**  
**N/A**

**Relative:**  
**Lower**

**NOTIFY 65:**  
 Date Reported: 06/22/1993    Staff Initials: LF  
 Board File Number: 002930004

**Actual:**  
**467 ft.**

Facility Type: soil  
 Discharge Date: Not reported  
 Incident Description: 94550-3015Based on a Remedial Investigation done in the general area, encompassing the site, by an adjacent property

**82**      **TRI-VALLEY AUTOBODY**  
**NE**      **3561 1ST STREET**  
**1/2-1**    **LIVERMORE, CA 94550**  
**4760 ft.**

**EMI**    **S105940103**  
**N/A**

**Relative:**  
**Higher**

**EMISSIONS :**  
 Facility ID : 7981  
 Air District Code : BA  
 SIC Code : 7532  
 Total Priority Score : Not reported  
 Health Risk Assessment : Not reported

**Actual:**  
**537 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

**MAP FINDINGS**

Database(s) EDR ID Number  
 EPA ID Number

**TRI-VALLEY AUTOBODY (Continued)**

**S105940103**

Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	1
Reactive Organic Gases :	1
Carbon Monoxide Emissions :	0
NOX Gas Emissions (Nitrogen - Oxygen) :	0
SOX Gas Emissions (Sulphur - Oxygen) :	0
Facility ID :	7981
Air District Code :	BA
SIC Code :	7532
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	Not reported
Reactive Organic Gases :	Not reported
Carbon Monoxide Emissions :	Not reported
NOX Gas Emissions (Nitrogen - Oxygen) :	Not reported
SOX Gas Emissions (Sulphur - Oxygen) :	Not reported

**83**  
**East**  
**1/2-1**  
**4841 ft.**

**LIVERMORE CREMATORY**  
**3833 EAST AVENUE**  
**LIVERMORE, CA 94550**

**FINDS 1006307609**  
**EMI 110012443846**

**Relative:**  
**Higher**

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 National Emissions Inventory (NEI)  
 National Toxics Inventory (NTI)

**Actual:**  
**539 ft.**

**EMISSIONS :**

Facility ID :	2501
Air District Code :	BA
SIC Code :	7261
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
Total Organic Hydrocarbon Gases :	Not reported
Reactive Organic Gases :	Not reported
Carbon Monoxide Emissions :	Not reported
NOX Gas Emissions (Nitrogen - Oxygen) :	Not reported
SOX Gas Emissions (Sulphur - Oxygen) :	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**LIVERMORE CREMATORY (Continued)**

Database(s)      EDR ID Number  
 EPA ID Number

1006307609

**84**      **VALLEY MEMORIAL HOSPITAL**  
**West**      **1111 EAST STANLEY BLVD**  
**1/2-1**      **LIVERMORE, CA 94550**  
**5045 ft.**

**HAZNET**      **1002851763**  
**LUST**      **N/A**  
**UST**  
**EMI**

**Relative:**      LUST Alameda County:  
**Lower**      Region :              ALAMEDA  
                  Facility ID :          RO0000899  
**Actual:**      Record Id :          SD0000899  
**464 ft.**      Status :              Case Closed

**HAZNET:**  
 Gepaid:            CAD982368870  
 TSD EPA ID:      CAD009466392  
 Gen County:      1  
 Tsd County:      7  
 Tons:              2.5000  
 Waste Category: Other empty containers 30 gallons or more  
 Disposal Method: Recycler  
 Contact:          MARCY FEIT PRESIDENT & CEO  
 Telephone:        (925) 847-3000  
 Mailing Address: 1111 E STANLEY BLVD  
                          LIVERMORE, CA 94550 - 4160  
 County            1  
 Gepaid:            CAD982368870  
 TSD EPA ID:      CAD059494310  
 Gen County:      1  
 Tsd County:      Santa Clara  
 Tons:              .5629  
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
 Disposal Method: Disposal, Other  
 Contact:          MARCY FEIT PRESIDENT & CEO  
 Telephone:        (925) 847-3000  
 Mailing Address: 1111 E STANLEY BLVD  
                          LIVERMORE, CA 94550 - 4160  
 County            1  
 Gepaid:            CAD982368870  
 TSD EPA ID:      CAD059494310  
 Gen County:      1  
 Tsd County:      Santa Clara  
 Tons:              .6879  
 Waste Category: Unspecified organic liquid mixture  
 Disposal Method: Disposal, Other  
 Contact:          MARCY FEIT PRESIDENT & CEO  
 Telephone:        (925) 847-3000  
 Mailing Address: 1111 E STANLEY BLVD  
                          LIVERMORE, CA 94550 - 4160  
 County            1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

VALLEY MEMORIAL HOSPITAL (Continued)

1002851763

Gepaid: CAD982368870  
TSD EPA ID: CAD043260702  
Gen County: 1  
Tsd County: San Mateo  
Tons: 2.9190  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Contact: MARCY FEIT PRESIDENT & CEO  
Telephone: (925) 847-3000  
Mailing Address: 1111 E STANLEY BLVD  
LIVERMORE, CA 94550 - 4160  
County 1

Gepaid: CAD982368870  
TSD EPA ID: CAD070148432  
Gen County: 1  
Tsd County: 1  
Tons: .0291  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Not reported  
Contact: MARCY FEIT PRESIDENT & CEO  
Telephone: (925) 847-3000  
Mailing Address: 1111 E STANLEY BLVD  
LIVERMORE, CA 94550 - 4160  
County 1

The CA HAZNET database contains 55 additional records for this site.  
Please click here or contact your EDR Account Executive for more information.

EMISSIONS :

Facility ID : 3335  
Air District Code : BA  
SIC Code : 8069  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported  
Total Organic Hydrocarbon Gases : Not reported  
Reactive Organic Gases : Not reported  
Carbon Monoxide Emissions : Not reported  
NOX Gas Emissions (Nitrogen - Oxygen) : Not reported  
SOX Gas Emissions (Sulphur - Oxygen) : Not reported

Facility ID : 3335  
Air District Code : BA  
SIC Code : 8069  
Total Priority Score : Not reported  
Health Risk Assessment : Not reported  
Non-cancer Chronic Haz Index : Not reported  
Non-cancer Acute Haz Index : Not reported  
Air Basin : SF  
Air District Name : BAY AREA AQMD  
Community Health Air Pollution Info System : Not reported  
Consolidated Emission Reporting Rule : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

**MAP FINDINGS**

**VALLEY MEMORIAL HOSPITAL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1002851763**

Total Organic Hydrocarbon Gases : 0  
Reactive Organic Gases : 0  
Carbon Monoxide Emissions : 0  
NOX Gas Emissions (Nitrogen - Oxygen) : 0  
SOX Gas Emissions (Sulphur - Oxygen) : 0

State UST:

Facility ID: 01-000-301971  
Region: STATE  
Local Agency: 1000

**MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES**

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
N/A	LIVERMORE GAS CO., SOUTHEAST OF THE INTERSECTION OF OAK ST. AND O STR		LIVERMORE	CA	WNW	1/2-1	Higher	ALAMEDA
Description: 1904 site called Livermore Water & Power Co. Site is south of Chestnut on the e the extension of O St. Site is bordered to the south by railroad tracks. By 19 n. ©Copyright 1993 Real Property Scan, Inc.								

**EDR Historical Gas Station & Dry Cleaner Search:** No mapped sites were found in EDR's search of the EDR Historical Gas Station & Dry Cleaner Database within 0.250 mile of the Target Property.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALAMEDA COUNTY	S105636607		I 580 AT NORTH LIVERMORE EXIT		LUST, CHMIRS
LIVERMORE	1003878884	PG&E GAS PLANT LIVERMORE	200 TO 375 FT W OF N ST @RR	94550	CERC-NFRAP
LIVERMORE	S106117761	CHEVRON	I 580 / GRANTLINE RD	94550	LUST
LIVERMORE	S105678083	DEL VALLE RESERVOIR DS	ARROYO RD, 1/4 MI NW OF DEL VALLE DAM		SWF/LF
LIVERMORE	S105657175		1ST ST AT NORTH MINES RD		LUST, CHMIRS
LIVERMORE	1006953926	LAWRENCE LIVERMORE NATIONAL LAB	7000 EAST AVE	94550	HAZNET
LIVERMORE	U001597355	SANDIA NATIONAL LABORATORIES	EAST AVENUE	94550	HIST UST
LIVERMORE	S103975054	LIVERMORE DENTAL CARE	2545 EAST AVE_STE. B	94550	HAZNET
LIVERMORE	S105870926	UNOCAL #4667	900 LIVERMORE AVE		LUST
LIVERMORE	S105481839	LIVERMORE SENIOR HOUSING	EAST OF MURRIETA BLVD.	94550	DEED, VCP
LIVERMORE	S100858709	CITY OF LIVERMORE CORPORATION YARD	2500 RAILROAD AVE	94550	HAZNET, LUST
LIVERMORE	1003879288	CALIFORNIA WATER SERV WELL #10-01	RICHEN AVE & SUNSET DRIVE	94550	CERC-NFRAP
LIVERMORE	S106092352	SPEEDY OIL CHANGE & TUNE UP	2645 1ST ST	94550	HAZNET
LIVERMORE	S106092573	RON'S AUTO REPAIR	4019 1ST ST UNIT 7	94550	HAZNET
LIVERMORE	S102429156	EL DORADO MOTEL	3927 1ST ST	94550	LUST, Cortese
LIVERMORE	S105870822	RYNCK TIRE CENTER	1485 1ST ST	94550	LUST
LIVERMORE	S105870851	RYNCK TIRE	1682 1ST ST	94550	LUST
LIVERMORE	S105871070	BEACON #3604	1619 1ST ST	94550	LUST
LIVERMORE	S106117762	NORTH K ASSOCIATES	1ST ST	94550	LUST
LIVERMORE	S106059403	NORTH K ASSOCIATES	0 1ST ST		LUST
LIVERMORE	S105030660	CHEVRON	UNKNOWN I 580 / GRANTLINE RD	94550	LUST, Cortese
LIVERMORE	S104580229	ENXCO INC	8001_N VASCO RD	94550	HAZNET
PENNGROVE	S103678023	HELMICK RESIDENCE	9950 OAK ST	94551	HAZNET, LUST, Cortese



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## FEDERAL ASTM STANDARD RECORDS

### **NPL: National Priority List**

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/29/04

Date Made Active at EDR: 02/27/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/06/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/06/04

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: N/A

Date of Government Version: 01/07/04

Date Made Active at EDR: 02/27/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/06/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/06/04

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/17/03

Date Made Active at EDR: 02/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03

Elapsed ASTM days: 42

Date of Last EDR Contact: 12/22/03

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/03  
Date Made Active at EDR: 02/02/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03  
Elapsed ASTM days: 42  
Date of Last EDR Contact: 12/22/03

## **CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/18/03  
Date Made Active at EDR: 02/02/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/26/03  
Elapsed ASTM days: 38  
Date of Last EDR Contact: 03/08/04

## **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 01/12/04  
Date Made Active at EDR: 02/10/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 01/19/04  
Elapsed ASTM days: 22  
Date of Last EDR Contact: 01/19/04

## **ERNS:** Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03  
Date Made Active at EDR: 03/12/04  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04  
Elapsed ASTM days: 46  
Date of Last EDR Contact: 01/26/04

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS:** Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01  
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/16/04  
Date of Next Scheduled EDR Contact: 06/14/04

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A  
Database Release Frequency: Varies

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/04

Database Release Frequency: Annually

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/29/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/06/04

Date of Next Scheduled EDR Contact: 05/01/04

**FINDS: Facility Index System/Facility Identification Initiative Program Summary Report**

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/18/03

Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04

Date of Next Scheduled EDR Contact: 04/19/04

**MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**MINES: Mines Master Index File**

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 11/25/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03

Date of Next Scheduled EDR Contact: 03/29/04

**NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/12/04  
Date of Next Scheduled EDR Contact: 05/24/04

## **PADS:** PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/30/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/09/04  
Date of Next Scheduled EDR Contact: 05/10/04

## **DOD:** Department of Defense Sites

Source: USGS

Telephone: 703-648-5423

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/10/04

## **STORMWATER:** Storm Water General Permits

Source: Environmental Protection Agency

Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A  
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## **US BROWNFIELDS:** A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/15/04  
Date of Next Scheduled EDR Contact: 06/14/04

## **RMP:** Risk Management Plans

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Database Release Frequency: N/A

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## **RAATS:** RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## **TRIS:** Toxic Chemical Release Inventory System

Source: EPA  
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 12/22/03  
Date of Next Scheduled EDR Contact: 03/22/04

## **TSCA:** Toxic Substances Control Act

Source: EPA  
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02  
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/05/04  
Date of Next Scheduled EDR Contact: 06/07/04

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA  
Telephone: 202-564-2501

Date of Government Version: 01/21/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03  
Date of Next Scheduled EDR Contact: 03/22/04

## **SSTS:** Section 7 Tracking Systems

Source: EPA  
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04  
Date of Next Scheduled EDR Contact: 04/19/04

## **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/30/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03  
Date of Next Scheduled EDR Contact: 03/22/04

## STATE OF CALIFORNIA ASTM STANDARD RECORDS

### **AWP:** Annual Workplan Sites

Source: California Environmental Protection Agency  
Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 11/30/03  
Date Made Active at EDR: 01/08/04  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 12/01/03  
Elapsed ASTM days: 38  
Date of Last EDR Contact: 03/03/04

### **CAL-SITES:** Calsites Database

Source: Department of Toxic Substance Control  
Telephone: 916-323-3400

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 11/30/03  
Date Made Active at EDR: 01/08/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/01/03  
Elapsed ASTM days: 38  
Date of Last EDR Contact: 03/03/04

### **CHMIRS:** California Hazardous Material Incident Report System

Source: Office of Emergency Services  
Telephone: 916-845-8400

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/02  
Date Made Active at EDR: 08/07/03  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/11/03  
Elapsed ASTM days: 27  
Date of Last EDR Contact: 02/23/04

### **CORTESE:** "Cortese" Hazardous Waste & Substances Sites List

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-9100

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/01/01  
Date Made Active at EDR: 07/26/01  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01  
Elapsed ASTM days: 58  
Date of Last EDR Contact: 01/29/04

### **NOTIFY 65:** Proposition 65 Records

Source: State Water Resources Control Board  
Telephone: 916-445-3846

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93  
Date Made Active at EDR: 11/19/93  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93  
Elapsed ASTM days: 18  
Date of Last EDR Contact: 01/19/04

### **TOXIC PITS:** Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board  
Telephone: 916-227-4364

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/95  
Date Made Active at EDR: 09/26/95  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95  
Elapsed ASTM days: 27  
Date of Last EDR Contact: 02/02/04

**SWF/LF (SWIS):** Solid Waste Information System  
Source: Integrated Waste Management Board  
Telephone: 916-341-6320

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/14/03  
Date Made Active at EDR: 01/08/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/16/03  
Elapsed ASTM days: 23  
Date of Last EDR Contact: 03/16/04

**WMUDS/SWAT:** Waste Management Unit Database  
Source: State Water Resources Control Board  
Telephone: 916-227-4448

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00  
Date Made Active at EDR: 05/10/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00  
Elapsed ASTM days: 30  
Date of Last EDR Contact: 03/11/04

**LUST:** Leaking Underground Storage Tank Information System  
Source: State Water Resources Control Board  
Telephone: 916-341-5740

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/02/03  
Date Made Active at EDR: 04/25/03  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/16/03  
Elapsed ASTM days: 9  
Date of Last EDR Contact: 01/12/04

**CA BOND EXP. PLAN:** Bond Expenditure Plan  
Source: Department of Health Services  
Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89  
Date Made Active at EDR: 08/02/94  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94  
Elapsed ASTM days: 6  
Date of Last EDR Contact: 05/31/94

## CA UST:

**UST:** Active UST Facilities  
Source: SWRCB  
Telephone: 916-341-5700  
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/02/03  
Date Made Active at EDR: 04/30/03  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/16/03  
Elapsed ASTM days: 14  
Date of Last EDR Contact: 01/12/04

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**VCP: Voluntary Cleanup Program Properties**

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

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

Date of Government Version: 11/30/03  
Date Made Active at EDR: 12/23/03  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/01/03  
Elapsed ASTM days: 22  
Date of Last EDR Contact: 03/03/04

**INDIAN LUST: Leaking Underground Storage Tanks on Indian Land**

Source: Environmental Protection Agency  
Telephone: 415-972-3372

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/09/04  
Date Made Active at EDR: 03/01/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/10/04  
Elapsed ASTM days: 20  
Date of Last EDR Contact: 01/27/04

**INDIAN UST: Underground Storage Tanks on Indian Land**

Source: EPA Region 9  
Telephone: 415-972-3368

Date of Government Version: 12/05/03  
Date Made Active at EDR: 01/08/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/05/03  
Elapsed ASTM days: 34  
Date of Last EDR Contact: 02/23/04

**CA FID UST: Facility Inventory Database**

Source: California Environmental Protection Agency  
Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94  
Date Made Active at EDR: 09/29/95  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95  
Elapsed ASTM days: 24  
Date of Last EDR Contact: 12/28/98

**HIST UST: Hazardous Substance Storage Container Database**

Source: State Water Resources Control Board  
Telephone: 916-341-5700

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90  
Date Made Active at EDR: 02/12/91  
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91  
Elapsed ASTM days: 18  
Date of Last EDR Contact: 07/26/01

**STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS****AST: Aboveground Petroleum Storage Tank Facilities**

Source: State Water Resources Control Board  
Telephone: 916-341-5712  
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/01/04

**CLEANERS: Cleaner Facilities**

Source: Department of Toxic Substance Control  
Telephone: 916-225-0873

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/26/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/04  
Date of Next Scheduled EDR Contact: 04/05/04

**CA WDS:** Waste Discharge System

Source: State Water Resources Control Board  
Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 12/15/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/22/03  
Date of Next Scheduled EDR Contact: 03/22/04

**DEED:** List of Deed Restrictions

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 01/05/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/04  
Date of Next Scheduled EDR Contact: 04/05/04

**NFA:** No Further Action Determination

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 11/30/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04  
Date of Next Scheduled EDR Contact: 05/31/04

**EMI:** Emissions Inventory Data

Source: California Air Resources Board  
Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/01  
Database Release Frequency: Varies

Date of Last EDR Contact: 01/23/04  
Date of Next Scheduled EDR Contact: 04/19/04

**REF:** Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 11/30/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04  
Date of Next Scheduled EDR Contact: 05/31/04

**SCH:** School Property Evaluation Program

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/30/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04  
Date of Next Scheduled EDR Contact: 05/31/04

**NFE:** Properties Needing Further Evaluation

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/30/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04  
Date of Next Scheduled EDR Contact: 05/31/04

## **HAZNET: Hazardous Waste Information System**

Source: California Environmental Protection Agency  
Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/09/04  
Date of Next Scheduled EDR Contact: 05/10/04

## **LOCAL RECORDS**

### **ALAMEDA COUNTY:**

#### **Local Oversight Program Listing of UGT Cleanup Sites**

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700

Date of Government Version: 12/09/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/09/03  
Date of Next Scheduled EDR Contact: 04/26/04

#### **Underground Tanks**

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700

Date of Government Version: 12/09/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/09/03  
Date of Next Scheduled EDR Contact: 04/26/04

### **CONTRA COSTA COUNTY:**

#### **Site List**

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/01/04  
Date of Next Scheduled EDR Contact: 05/31/04

### **FRESNO COUNTY:**

#### **CUPA Resources List**

Source: Dept. of Community Health  
Telephone: 559-445-3271

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/15/04  
Date of Next Scheduled EDR Contact: 05/10/04

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## LOS ANGELES COUNTY:

### List of Solid Waste Facilities

Source: La County Department of Public Works  
Telephone: 818-458-5185

Date of Government Version: 06/03/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/20/04  
Date of Next Scheduled EDR Contact: 05/17/04

### City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236

Date of Government Version: 03/01/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

### City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department  
Telephone: 562-570-2543

Date of Government Version: 03/28/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04  
Date of Next Scheduled EDR Contact: 05/24/04

### City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department  
Telephone: 310-618-2973

Date of Government Version: 02/17/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

### City of Los Angeles Landfills

Source: Engineering & Construction Division  
Telephone: 213-473-7869

Date of Government Version: 03/01/02  
Database Release Frequency: Varies

Date of Last EDR Contact: 03/16/04  
Date of Next Scheduled EDR Contact: 06/14/04

### HMS: Street Number List

Source: Department of Public Works  
Telephone: 626-458-3517  
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/03  
Date of Next Scheduled EDR Contact: 02/16/04

### Site Mitigation List

Source: Community Health Services  
Telephone: 323-890-7806  
Industrial sites that have had some sort of spill or complaint.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/07/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

## San Gabriel Valley Areas of Concern

Source: EPA Region 9  
Telephone: 415-972-3178

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99  
Date of Next Scheduled EDR Contact: N/A

## MARIN COUNTY:

### Underground Storage Tank Sites

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Currently permitted USTs in Marin County.

Date of Government Version: 02/10/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/01/04

## NAPA COUNTY:

### Sites With Reported Contamination

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269

Date of Government Version: 10/02/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03  
Date of Next Scheduled EDR Contact: 03/29/04

### Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269

Date of Government Version: 10/02/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 12/29/03  
Date of Next Scheduled EDR Contact: 03/29/04

## ORANGE COUNTY:

### List of Underground Storage Tank Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/06/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

### List of Underground Storage Tank Facilities

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/06/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

### List of Industrial Site Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Petroleum and non-petroleum spills.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/06/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## PLACER COUNTY:

### Master List of Facilities

Source: Placer County Health and Human Services  
Telephone: 530-889-7312  
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/17/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/17/04  
Date of Next Scheduled EDR Contact: 06/21/04

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Source: Department of Public Health  
Telephone: 909-358-5055  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/23/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/19/04  
Date of Next Scheduled EDR Contact: 04/19/04

### Underground Storage Tank Tank List

Source: Health Services Agency  
Telephone: 909-358-5055

Date of Government Version: 12/01/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/19/04  
Date of Next Scheduled EDR Contact: 04/19/04

## SACRAMENTO COUNTY:

### CS - Contaminated Sites

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406

Date of Government Version: 07/17/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/01/04

### ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 07/17/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/01/04

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/08/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## SAN DIEGO COUNTY:

### Solid Waste Facilities

Source: Department of Health Services  
Telephone: 619-338-2209  
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04  
Date of Next Scheduled EDR Contact: 05/24/04

### Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/31/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/09/04  
Date of Next Scheduled EDR Contact: 04/05/04

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920

Date of Government Version: 12/09/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

### Underground Storage Tank Information

Source: Department of Public Health  
Telephone: 415-252-3920

Date of Government Version: 12/09/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## SAN MATEO COUNTY:

### Fuel Leak List

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921

Date of Government Version: 01/29/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/26/04  
Date of Next Scheduled EDR Contact: 04/12/04

### Business Inventory

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/13/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/12/04  
Date of Next Scheduled EDR Contact: 04/12/04

## SANTA CLARA COUNTY:

### Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600

Date of Government Version: 12/31/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03  
Date of Next Scheduled EDR Contact: 03/29/04

### Hazardous Material Facilities

Source: City of San Jose Fire Department  
Telephone: 408-277-4659

Date of Government Version: 10/01/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-6770

Date of Government Version: 12/16/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04  
Date of Next Scheduled EDR Contact: 06/14/04

### Underground Storage Tanks

Source: Solano County Department of Environmental Management  
Telephone: 707-421-6770

Date of Government Version: 12/16/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04  
Date of Next Scheduled EDR Contact: 06/14/04

## SONOMA COUNTY:

### Leaking Underground Storage Tank Sites

Source: Department of Health Services  
Telephone: 707-565-6565

Date of Government Version: 01/26/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/26/04  
Date of Next Scheduled EDR Contact: 04/26/04

## SUTTER COUNTY:

### Underground Storage Tanks

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500

Date of Government Version: 01/29/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/09/04  
Date of Next Scheduled EDR Contact: 04/05/04

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VENTURA COUNTY:

### Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02

Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04

Date of Next Scheduled EDR Contact: 05/24/04

### Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/01/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04

Date of Next Scheduled EDR Contact: 06/14/04

### Underground Tank Closed Sites List

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/12/04

Date of Next Scheduled EDR Contact: 04/12/04

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/01/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04

Date of Next Scheduled EDR Contact: 06/14/04

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health

Telephone: 530-666-8646

Date of Government Version: 01/27/04

Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04

Date of Next Scheduled EDR Contact: 04/19/04

## California Regional Water Quality Control Board (RWQCB) LUST Records

### LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-576-2220

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/23/04

Date of Next Scheduled EDR Contact: 05/24/04

### LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/14/04  
Date of Next Scheduled EDR Contact: 04/12/04

**LUST REG 3: Leaking Underground Storage Tank Database**

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147

Date of Government Version: 05/19/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

**LUST REG 4: Underground Storage Tank Leak List**

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 01/23/04  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

**LUST REG 5: Leaking Underground Storage Tank Database**

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-255-3125

Date of Government Version: 01/01/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04  
Date of Next Scheduled EDR Contact: 04/05/04

**LUST REG 6L: Leaking Underground Storage Tank Case Listing**

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 916-542-5424

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

**LUST REG 6V: Leaking Underground Storage Tank Case Listing**

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-346-7491

Date of Government Version: 01/21/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04  
Date of Next Scheduled EDR Contact: 04/05/04

**LUST REG 7: Leaking Underground Storage Tank Case Listing**

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-346-7491

Date of Government Version: 07/02/02  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03  
Date of Next Scheduled EDR Contact: 03/29/04

**LUST REG 8: Leaking Underground Storage Tanks**

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4498

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 01/12/04  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/08/04  
Date of Next Scheduled EDR Contact: 05/10/04

**LUST REG 9: Leaking Underground Storage Tank Report**

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/01  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/19/04  
Date of Next Scheduled EDR Contact: 04/19/04

## California Regional Water Quality Control Board (RWQCB) SLIC Records

### SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220

Date of Government Version: 04/03/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/04  
Date of Next Scheduled EDR Contact: 05/24/04

### SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/28/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/14/04  
Date of Next Scheduled EDR Contact: 04/12/04

### SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/16/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

### SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 01/28/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/26/04  
Date of Next Scheduled EDR Contact: 04/26/04

### SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 01/08/04  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/04  
Date of Next Scheduled EDR Contact: 04/05/04

### SLIC REG 6L: SLIC Sites

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574

Date of Government Version: 09/09/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

### SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583

Date of Government Version: 05/08/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/09/04  
Date of Next Scheduled EDR Contact: 04/05/04

### SLIC REG 7: SLIC List

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/19/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04  
Date of Next Scheduled EDR Contact: 05/24/04

**SLIC REG 8:** Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-3298

Date of Government Version: 04/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/07/04  
Date of Next Scheduled EDR Contact: 04/05/04

**SLIC REG 9:** Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980

Date of Government Version: 12/01/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 12/01/03  
Date of Next Scheduled EDR Contact: 03/04/04

## EDR PROPRIETARY HISTORICAL DATABASES

**EDR Historical Gas Station and Dry Cleaners:** EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: *gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

*(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)*

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### **Disclaimer Provided by Real Property Scan, Inc.**

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## BROWNFIELDS DATABASES

**VCP:** Voluntary Cleanup Program Properties  
Source: Department of Toxic Substances Control  
Telephone: 916-323-3400

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/30/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04  
Date of Next Scheduled EDR Contact: 05/31/04

## **US BROWNFIELDS:** A Listing of Brownfields Sites

Source: Environmental Protection Agency  
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## **Daycare Centers: Licensed Facilities**

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

SCHWEICKERT RESIDENCE  
515 SOUTH LIVERMORE AVENUE  
LIVERMORE, CA 94550

### TARGET PROPERTY COORDINATES

Latitude (North):	37.679501 - 37° 40' 46.2"
Longitude (West):	121.764397 - 121° 45' 51.8"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	608957.7
UTM Y (Meters):	4170769.2
Elevation:	505 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

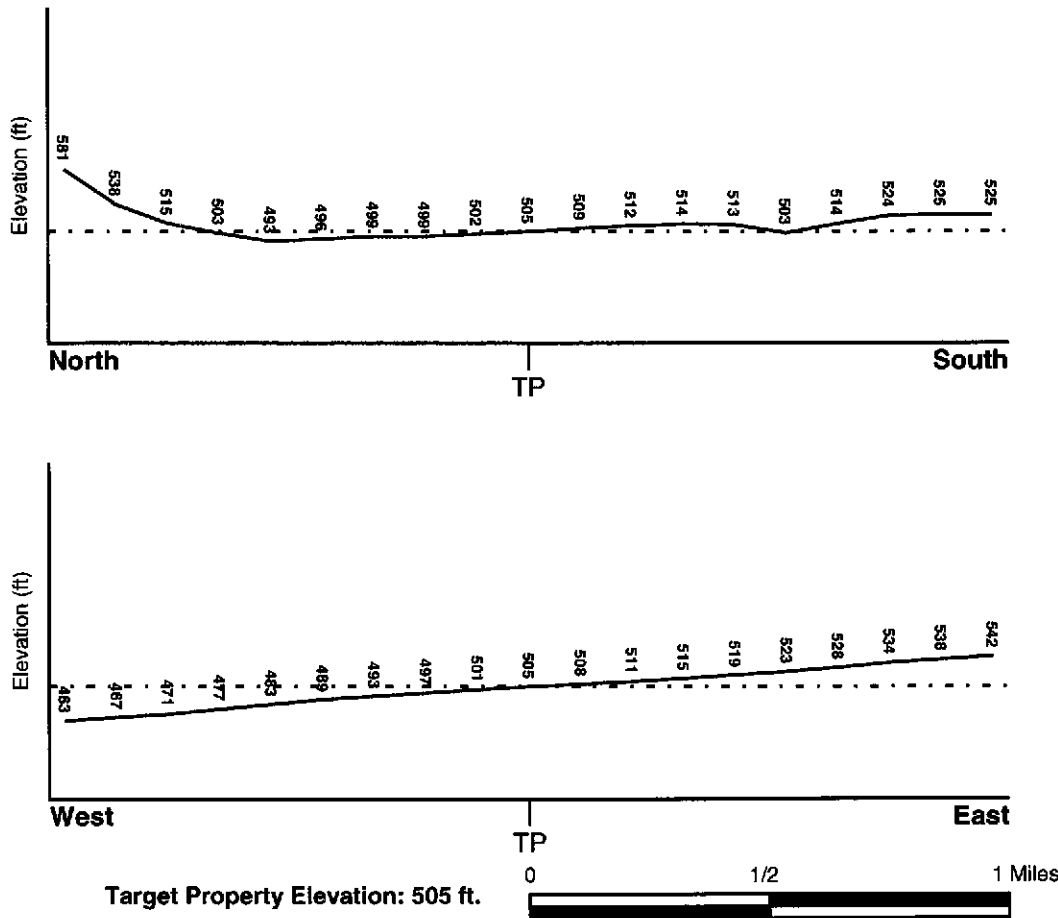
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 37121-F7 LIVERMORE, CA  
 General Topographic Gradient: General NW  
 Source: USGS 7.5 min quad index

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Target Property County  
ALAMEDA, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0600080010A

Additional Panels in search area: 0600080005A  
0600010210B

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
LIVERMORE

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A3	1/4 - 1/2 Mile NW	Varies
A4	1/4 - 1/2 Mile NW	Varies
B5	1/4 - 1/2 Mile SE	Not Reported
B6	1/4 - 1/2 Mile SE	Not Reported
C9	1/4 - 1/2 Mile NNE	Not Reported
C10	1/4 - 1/2 Mile NNE	Not Reported
C17	1/4 - 1/2 Mile NNE	Not Reported
C18	1/4 - 1/2 Mile NNE	Not Reported

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
D20	1/4 - 1/2 Mile NNW	NW
D22	1/4 - 1/2 Mile NNW	Not Reported
E25	1/4 - 1/2 Mile NNE	Varies
F26	1/4 - 1/2 Mile North	Not Reported
F27	1/4 - 1/2 Mile North	Not Reported
F28	1/4 - 1/2 Mile North	Not Reported
G29	1/2 - 1 Mile WNW	Not Reported
G30	1/2 - 1 Mile WNW	Not Reported
H32	1/2 - 1 Mile West	NW
H33	1/2 - 1 Mile West	Not Reported
H34	1/2 - 1 Mile West	Not Reported
41	1/2 - 1 Mile West	NW
45	1/2 - 1 Mile West	N

For additional site information, refer to Physical Setting Source Map Findings.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tpc (decoded above as Era, System & Series)

### GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	YOLO
Soil Surface Texture:	loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.
Hydric Status:	Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	26 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	26 inches	65 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.10

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
 very gravelly - sandy loam  
 gravelly - loam  
 sandy loam  
 very gravelly - sand  
 very gravelly - coarse sandy loam  
 extremely gravelly - sand  
 clay  
 clay loam  
 silty clay loam

Surficial Soil Types: silt loam  
 very gravelly - sandy loam  
 gravelly - loam  
 sandy loam  
 very gravelly - sand  
 very gravelly - coarse sandy loam  
 extremely gravelly - sand  
 clay  
 clay loam  
 silty clay loam

Shallow Soil Types: clay loam  
 clay  
 gravelly - sandy clay loam

Deeper Soil Types: stratified  
 gravelly - fine sandy loam  
 very gravelly - loamy coarse sand  
 loam  
 gravelly - loam  
 extremely gravelly - sand  
 clay

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	0.500

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS0119364	1/8 - 1/4 Mile South
C7	USGS0119318	1/4 - 1/2 Mile NNE
8	USGS0119376	1/4 - 1/2 Mile ENE
B19	USGS0119300	1/4 - 1/2 Mile SE
21	USGS0119296	1/4 - 1/2 Mile SW
23	USGS0119369	1/4 - 1/2 Mile East
E24	USGS0119324	1/4 - 1/2 Mile NNE
31	USGS0119304	1/2 - 1 Mile East
35	USGS0119371	1/2 - 1 Mile West
36	USGS0119292	1/2 - 1 Mile WSW
37	USGS0119378	1/2 - 1 Mile WNW
I38	USGS0119333	1/2 - 1 Mile NW
39	USGS0119297	1/2 - 1 Mile WSW
I40	USGS0119397	1/2 - 1 Mile NW
42	USGS0119312	1/2 - 1 Mile WNW
43	USGS0119385	1/2 - 1 Mile WNW
44	USGS0119286	1/2 - 1 Mile SE
46	USGS0119335	1/2 - 1 Mile NW
47	USGS0119393	1/2 - 1 Mile NW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	CA0707501	1/8 - 1/4 Mile NW

Note: PWS System location is not always the same as well location.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

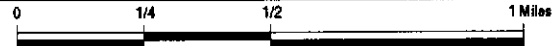
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D11	3479	1/4 - 1/2 Mile NW
D12	3482	1/4 - 1/2 Mile NW
D13	3483	1/4 - 1/2 Mile NW
D14	3473	1/4 - 1/2 Mile NW
D15	3474	1/4 - 1/2 Mile NW
D16	3478	1/4 - 1/2 Mile NW

# PHYSICAL SETTING SOURCE MAP - 1155815.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



**TARGET PROPERTY:** Schweickert Residence  
**ADDRESS:** 515 South Livermore Avenue  
**CITY/STATE/ZIP:** Livermore CA 94550  
**LAT/LONG:** 37.6795 / 121.7644

**CUSTOMER:** Gettler-Ryan  
**CONTACT:** Robert Lauritzen  
**INQUIRY #:** 1155815.2s  
**DATE:** March 23, 2004 8:40 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

1  
 South      FED USGS      USGS0119364  
 1/8 - 1/4 Mile  
 Higher

Agency:	USGS	Site ID:	374037121454601
Site Name:	003S002E16C001M		
Dec. Latitude:	37.67687		
Dec. Longitude:	-121.76384		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	508.30		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19580218	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	574		
Hole depth:	584	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 76

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	100.00		1981-11	110.00	
1981-09	152.00		1981-05	151.00	
1981-04	93.00		1981-03	95.00	
1981-01	75.00		1980-12	104.00	
1980-11	114.00				
1980-10-15	135.50				
Note: The site was being pumped.					
1980-09	157.00		1980-08	147.00	
1980-07	147.00		1980-05	80.00	
1980-04	79.00		1980-03	82.00	
1980-02	91.00		1980-01	121.00	
1979-08	160.00				
1979-04-20	75.20				
Note: The site was being pumped.					
1979-04	76.00		1978-09	156.00	
1978-05	76.00		1977-10-11	105.20	
1977-07	116.00				
1977-03-29	82.60				
Note: The site was being pumped.					
1977-03	84.00				
1977-02-18	83.50				
Note: The site was being pumped.					
1977-01-19	85.60				
Note: The site was being pumped.					
1976-12-21	88.80				
Note: The site was being pumped.					
1976-11-23	94.00				
Note: The site was being pumped.					
1976-11-04	98.90				
Note: The site was being pumped.					

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-09-24	115.30				
1976-08-26	121.50				
Note: The site was being pumped.					
1976-07	150.00		1976-05-24	114.80	
1976-04-29	99.70		1976-03-19	81.30	
1976-03	80.00		1976-02-25	82.20	
1976-01-26	86.70		1975-09	130.00	
1975-04	76.00		1974-06	138.00	
1974-04	80.00		1973-10	124.00	
1973-04	92.00		1972-09	142.00	
1972-03	94.00		1971-08	144.00	
1971-05	96.00		1970-07	176.00	
1970-04	114.00		1969-09	160.00	
1969-05	114.00		1968-09	154.00	
1968-03	122.00		1967-07	154.00	
1967-05	120.00		1966-07	166.00	
1965-11	180.00		1965-05	136.00	
1964-09	180.00		1964-04	142.00	
1963-09	186.00		1963-06	138.00	
1962-07	200.00		1962-04	148.00	
1961-08	220.00		1961-04	126.00	
1960-07	192.00		1960-03	138.00	
1959-11	162.00		1959-03	110.00	
1958-11	178.00		1958-04	106.00	

A2  
NW  
1/8 - 1/4 Mile  
Lower

FRDS PWS CA0707501

PWS ID: CA0707501 PWS Status: Not Reported  
Date Initiated: Not Reported Date Deactivated: Not Reported  
PWS Name: ANGLER'S RANCH #3  
BETHEL ISLAND, CA 94511

Addressee / Facility: System Owner/Responsible Party  
ANGLER'S RANCH WATER CO 3  
P O BOX 8  
BETHEL ISLAND, CA 94511

Facility Latitude: 37 40 54 Facility Longitude: 121 46 00  
City Served: Not Reported  
Treatment Class: Untreated Population: 60

PWS currently has or had major violation(s) or enforcement: Yes

Violations information not reported.

**ENFORCEMENT INFORMATION:**

System Name:	ANGLER'S RANCH #3	Analytical Value:	0000000.000000000
Violation Type:	Initial Tap Sampling for Pb and Cu	Enforcement ID:	0089899
Contaminant:	LEAD & COPPER RULE	Enf. Action:	State Compliance Achieved
Compliance Period:	1993-07-01 - 2000-04-04		
Violation ID:	95V0001		
Enforcement Date:	2000-04-04		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## ENFORCEMENT INFORMATION:

System Name:	ANGLER'S RANCH #3		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31	Analytical Value:	0000000.000000000
Violation ID:	95V0001	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

<b>A3</b>	Site ID:	4033		
<b>NW</b>	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>52441</b>
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	Not Reported		
<b>Lower</b>	Deep Water Depth:	Not Reported		
	Average Water Depth:	60		
	Date:	11/12/1991		

<b>A4</b>	Site ID:	Not Reported		
<b>NW</b>	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>52442</b>
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	53.31		
<b>Lower</b>	Deep Water Depth:	68.84		
	Average Water Depth:	Not Reported		
	Date:	09/13/1994		

<b>B5</b>	Site ID:	Not Reported		
<b>SE</b>	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>53572</b>
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	Not Reported		
<b>Higher</b>	Deep Water Depth:	Not Reported		
	Average Water Depth:	40		
	Date:	02/11/1988		

<b>B6</b>	Site ID:	Not Reported		
<b>SE</b>	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>53571</b>
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	Not Reported		
<b>Higher</b>	Deep Water Depth:	Not Reported		
	Average Water Depth:	40		
	Date:	02/11/1988		

<b>C7</b>			<b>FED USGS</b>	<b>USGS0119318</b>
<b>NNE</b>				
<b>1/4 - 1/2 Mile</b>				
<b>Lower</b>				

Agency:	USGS	Site ID:	374100121454201
Site Name:	003S002E09P001M		
Dec. Latitude:	37.68326		
Dec. Longitude:	-121.76273		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	498.60		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19560503	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 504  
 Hole depth: 515  
 Project no: Not Reported

Source: Not Reported

Ground-water levels, Number of Measurements: 72

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	83.00		1981-11	98.00	
1981-10	139.00		1981-09	109.00	
1981-05	100.00		1981-04	81.00	
1981-03	84.00		1981-02	84.00	
1981-01	89.00		1980-12	90.00	
1980-11	99.00		1980-10-15	98.70	
1980-10	109.00		1980-09	103.00	
1980-07	92.00		1980-06	90.00	
1980-05	77.00		1980-04-08	70.60	
1980-04	71.00		1980-03	73.00	
1980-02	79.00		1980-01	95.00	
1979-08	104.00		1979-04-20	73.30	
1979-04	69.00		1978-10	107.00	
1978-05	73.00		1977-10-11	101.10	
1977-09	99.00		1977-02	80.00	
1976-08	131.00		1976-03	79.00	
1975-08	144.00		1975-03	78.00	
1974-08	111.00		1974-04	84.00	
1973-05	124.00		1973-03	99.00	
1972-09	131.00		1972-03	89.00	
1971-09	128.00		1971-03	99.00	
1970-07	144.00		1970-03	116.00	
1969-09	156.00		1969-04	119.00	
1968-09	159.00		1968-03	130.00	
1967-09	164.00		1967-05	125.00	
1966-09	184.00		1966-03	144.00	
1965-10	170.00		1965-05	143.00	
1964-10	185.00		1964-08	143.00	
1963-09	169.00		1963-05	144.00	
1962-07	205.00		1962-02	167.00	
1961-09	211.00		1961-03	159.00	
1960-08	200.00		1960-03	133.00	
1959-10	161.00		1959-01	112.00	
1958-10	132.00		1958-06	109.00	
1958-01	134.00		1957-03	110.00	
1956-08	132.00		1956-05	106.00	

8  
 ENE  
 1/4 - 1/2 Mile  
 Higher

FED USGS USGS0119376

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	374054121453201
Site Name:	003S002E09Q004M		
Dec. Latitude:	37.6816		
Dec. Longitude:	-121.75995		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	501.70		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19771122	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	80.0		
Hole depth:	80.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 98

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-11-18	34.10		1981-11-12	35.50	
1981-09-30	34.70		1981-08-31	34.50	
1981-08-06	34.20		1981-08-03	34.00	
1981-06-29	32.80		1981-06-03	32.10	
1981-06-01	31.90		1981-05-26	31.90	
1981-05-19	31.50		1981-05-12	31.00	
1981-05-05	30.60		1981-04-28	30.20	
1981-04-21	29.90		1981-04-14	29.70	
1981-04-07	29.20		1981-03-31	29.40	
1981-03-24	30.00		1981-03-17	31.50	
1981-03-10	31.70		1981-03-03	31.40	
1981-02-25	31.20		1981-02-17	31.30	
1981-02-10	31.10		1981-02-03	31.00	
1981-01-27	34.60		1981-01-26	33.80	
1981-01-19	33.80		1981-01-12	33.60	
1981-01-05	33.10		1980-12-29	33.00	
1980-12-22	32.70		1980-12-16	32.30	
1980-12-09	32.30		1980-12-02	31.90	
1980-11-25	31.90		1980-11-18	31.60	
1980-11-10	31.00		1980-11-03	30.90	
1980-10-24	30.40		1980-10-17	29.60	
1980-10-14	29.40		1980-09-29	28.40	
1980-09-15	27.40		1980-09-02	26.40	
1980-08-18	25.50		1980-08-06	24.90	
1980-07-21	24.50		1980-07-15	24.30	
1980-07-02	24.00		1980-06-16	23.10	
1980-06-02	22.10		1980-03-24	21.30	
1980-03-10	21.60		1980-03-05	22.70	
1980-02-25	25.30		1980-02-11	28.50	
1980-01-28	28.70		1980-01-14	32.20	
1979-12-31	35.50		1979-12-18	36.40	
1979-12-03	35.40		1979-11-19	35.40	
1979-11-05	35.20		1979-10-23	34.80	
1979-10-22	35.00		1979-10-08	34.40	
1979-09-24	33.50		1979-09-10	32.50	
1979-08-27	31.80		1979-08-13	31.30	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-07-30	30.80		1979-07-21	30.70	
1979-07-09	29.80		1979-06-25	29.20	
1979-06-18	28.90		1979-06-13	28.70	
1979-06-04	27.70		1979-05-21	27.00	
1979-05-07	26.60		1979-04-30	26.40	
1979-04-26	26.20		1979-04-09	26.00	
1979-04-02	25.80		1979-03-27	26.10	
1979-03-19	26.10		1979-03-12	26.20	
1979-02-20	30.00		1979-01-16	31.60	
1979-01-08	35.20		1978-11-22	34.00	
1978-08-08	28.20		1978-06-20	26.70	
1978-05-31	26.20		1978-01-19	42.80	
1977-12-28	51.80		1977-12-13	51.90	

**C9**  
**NNE**  
**1/4 - 1/2 Mile**  
**Lower**

Site ID:	Not Reported		
Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>52457</b>
Shallow Water Depth:	35		
Deep Water Depth:	45		
Average Water Depth:	Not Reported		
Date:	09/29/1994		

**C10**  
**NNE**  
**1/4 - 1/2 Mile**  
**Lower**

Site ID:	3612		
Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>52456</b>
Shallow Water Depth:	35		
Deep Water Depth:	45		
Average Water Depth:	Not Reported		
Date:	09/29/1994		

**D11**  
**NW**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS 3479**

**Water System Information:**

Prime Station Code:	03S/02E-09P01 M	User ID:	ENG
FRDS Number:	0110003009	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	374100.0 1214600.0	Precision:	Undefined
Source Name:	WELL 12-01		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150 SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	06/30/1986	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/30/1986	Findings:	780.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/30/1986	Findings:	7.530
Chemical:	PH (LABORATORY)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/30/1986	Findings:	261.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/30/1986	Findings:	317.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/30/1986	Findings:	.700 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/30/1986	Findings:	.390 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	06/30/1986	Findings:	358.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/30/1986	Findings:	49.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/30/1986	Findings:	57.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/30/1986	Findings:	37.000 MG/L
Chemical:	SODIUM		
Sample Collected:	06/30/1986	Findings:	.850
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	06/30/1986	Findings:	1.700 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/30/1986	Findings:	65.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/30/1986	Findings:	.140 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/30/1986	Findings:	26.000 MG/L
Chemical:	SILICA		
Sample Collected:	06/30/1986	Findings:	499.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/30/1986	Findings:	.170
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/30/1986	Findings:	53.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/30/1986	Findings:	.017 UG/L
Chemical:	IODIDE		
Sample Collected:	06/30/1986	Findings:	.300 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/28/1987	Findings:	49.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/08/1987	Findings:	46.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/03/1988	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/03/1988	Findings:	1.000 UNITS
Chemical:	COLOR		
Sample Collected:	06/03/1988	Findings:	865.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/03/1988	Findings:	7.800
Chemical:	PH (LABORATORY)		
Sample Collected:	06/03/1988	Findings:	264.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/03/1988	Findings:	319.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	1.400 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	.250 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	06/03/1988	Findings:	366.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	06/03/1988	Findings:	49.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/03/1988	Findings:	59.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/03/1988	Findings:	37.000 MG/L
Chemical:	SODIUM		
Sample Collected:	06/03/1988	Findings:	.840
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	06/03/1988	Findings:	1.800 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/03/1988	Findings:	64.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/03/1988	Findings:	.130 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/03/1988	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	06/03/1988	Findings:	330.000 UG/L
Chemical:	BARIUM		
Sample Collected:	06/03/1988	Findings:	1.100 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/03/1988	Findings:	504.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/03/1988	Findings:	.380
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	06/03/1988	Findings:	55.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	06/03/1988	Findings:	.016 UG/L
Chemical:	IODIDE		
Sample Collected:	06/03/1988	Findings:	.100 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	12/11/1991	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12/11/1991	Findings:	4.000 UNITS
Chemical:	COLOR		
Sample Collected:	12/11/1991	Findings:	885.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/11/1991	Findings:	7.710
Chemical:	PH (LABORATORY)		
Sample Collected:	12/11/1991	Findings:	269.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO <sub>3</sub> )		
Sample Collected:	12/11/1991	Findings:	326.000 MG/L
Chemical:	BICARBONATE ALKALINITY		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/11/1991	Findings:	1.100 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	12/11/1991	Findings:	.260 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	12/11/1991	Findings:	374.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	12/11/1991	Findings:	52.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/11/1991	Findings:	55.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/11/1991	Findings:	39.000 MG/L
Chemical:	SODIUM		
Sample Collected:	12/11/1991	Findings:	.880
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	12/11/1991	Findings:	1.900 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12/11/1991	Findings:	68.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/11/1991	Findings:	.170 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	12/11/1991	Findings:	30.000 MG/L
Chemical:	SILICA		
Sample Collected:	12/11/1991	Findings:	290.000 UG/L
Chemical:	BARIUM		
Sample Collected:	12/11/1991	Findings:	18.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	12/11/1991	Findings:	508.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/11/1991	Findings:	.320
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	12/11/1991	Findings:	52.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/11/1991	Findings:	.200 UG/L
Chemical:	IODIDE		
Sample Collected:	12/11/1991	Findings:	.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	12/11/1991	Findings:	1.500 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/11/1991	Findings:	1.200 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/20/1992	Findings:	3.570 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	03/23/1993	Findings:	57.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/21/1994	Findings:	57.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/1994	Findings:	19.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/06/1994	Findings:	1.000 UNITS
Chemical:	COLOR		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/06/1994	Findings:	856.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/06/1994	Findings:	7.680
Chemical:	PH (LABORATORY)		
Sample Collected:	10/06/1994	Findings:	263.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO <sub>3</sub> )		
Sample Collected:	10/06/1994	Findings:	319.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	1.000 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	.280 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	10/06/1994	Findings:	365.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	10/06/1994	Findings:	51.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/06/1994	Findings:	69.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/06/1994	Findings:	41.000 MG/L
Chemical:	SODIUM		
Sample Collected:	10/06/1994	Findings:	.930
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	10/06/1994	Findings:	2.500 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/06/1994	Findings:	76.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/06/1994	Findings:	.190 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	10/06/1994	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	10/06/1994	Findings:	262.000 UG/L
Chemical:	BARIUM		
Sample Collected:	10/06/1994	Findings:	15.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	10/06/1994	Findings:	17.000 UG/L
Chemical:	NICKEL		
Sample Collected:	10/06/1994	Findings:	525.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/1994	Findings:	.260
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	10/06/1994	Findings:	56.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	10/06/1994	Findings:	.027 UG/L
Chemical:	IODIDE		
Sample Collected:	10/06/1994	Findings:	.100 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/06/1994	Findings:	1.400 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/06/1994	Findings:	1.800 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/17/1995	Findings:	4.200 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/17/1995	Findings:	2.200 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/09/1995	Findings:	2.500 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	05/14/1997	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/14/1997	Findings:	8.000 UNITS
Chemical:	COLOR		
Sample Collected:	05/14/1997	Findings:	785.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/14/1997	Findings:	7.850
Chemical:	PH (LABORATORY)		
Sample Collected:	05/14/1997	Findings:	266.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	321.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	1.500 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	.140 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	05/14/1997	Findings:	390.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	49.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/14/1997	Findings:	78.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/14/1997	Findings:	40.000 MG/L
Chemical:	SODIUM		
Sample Collected:	05/14/1997	Findings:	40.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05/14/1997	Findings:	2.200 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/14/1997	Findings:	91.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/14/1997	Findings:	28.000 MG/L
Chemical:	SILICA		
Sample Collected:	05/14/1997	Findings:	418.000 UG/L
Chemical:	BARIUM		
Sample Collected:	05/14/1997	Findings:	24.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	05/14/1997	Findings:	110.000 UG/L
Chemical:	IRON		
Sample Collected:	05/14/1997	Findings:	14.000 UG/L
Chemical:	NICKEL		
Sample Collected:	05/14/1997	Findings:	101.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	05/14/1997	Findings:	.030 UG/L
Chemical:	FOAMING AGENTS (MBAS)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/14/1997	Findings:	530.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/14/1997	Findings:	.441
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	05/14/1997	Findings:	51.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/1997	Findings:	1.300 NTU
Chemical:	TURBIDITY (LAB)		

D12  
NW  
1/4 - 1/2 Mile  
Lower

CA WELLS 3482

**Water System Information:**

Prime Station Code:	03S/02E-16C01 M	User ID:	ENG
FRDS Number:	0110003011	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	374100.0 1214600.0	Precision:	Undefined
Source Name:	WELL 15-01		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150 SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	05/08/1986	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/08/1986	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	05/08/1986	Findings:	790.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/08/1986	Findings:	7.840
Chemical:	PH (LABORATORY)		
Sample Collected:	05/08/1986	Findings:	281.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	05/08/1986	Findings:	339.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/08/1986	Findings:	1.600 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/08/1986	Findings:	.280 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	05/08/1986	Findings:	314.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/08/1986	Findings:	46.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/08/1986	Findings:	48.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/08/1986	Findings:	44.000 MG/L
Chemical:	SODIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/08/1986	Findings:	1.080
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05/08/1986	Findings:	1.900 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/08/1986	Findings:	48.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/08/1986	Findings:	.140 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/08/1986	Findings:	36.000 MG/L
Chemical:	SILICA		
Sample Collected:	05/08/1986	Findings:	220.000 UG/L
Chemical:	BARIUM		
Sample Collected:	05/08/1986	Findings:	467.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/08/1986	Findings:	.500
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/08/1986	Findings:	13.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/08/1986	Findings:	.030 UG/L
Chemical:	IODIDE		
Sample Collected:	05/08/1986	Findings:	.300 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/03/1988	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/03/1988	Findings:	810.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/03/1988	Findings:	7.720
Chemical:	PH (LABORATORY)		
Sample Collected:	06/03/1988	Findings:	289.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/03/1988	Findings:	349.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	1.200 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	.250 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	06/03/1988	Findings:	320.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/03/1988	Findings:	43.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/03/1988	Findings:	52.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/03/1988	Findings:	45.000 MG/L
Chemical:	SODIUM		
Sample Collected:	06/03/1988	Findings:	1.090
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	06/03/1988	Findings:	2.000 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/03/1988	Findings:	52.000 MG/L
Chemical:	CHLORIDE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/03/1988	Findings:	.120 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/03/1988	Findings:	34.000 MG/L
Chemical:	SILICA		
Sample Collected:	06/03/1988	Findings:	260.000 UG/L
Chemical:	BARIUM		
Sample Collected:	06/03/1988	Findings:	1.500 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/03/1988	Findings:	472.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/03/1988	Findings:	.290
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	06/03/1988	Findings:	19.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/03/1988	Findings:	.032 UG/L
Chemical:	IODIDE		
Sample Collected:	06/03/1988	Findings:	.100 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/17/1991	Findings:	1.000 UNITS
Chemical:	COLOR		
Sample Collected:	06/17/1991	Findings:	800.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/17/1991	Findings:	7.730
Chemical:	PH (LABORATORY)		
Sample Collected:	06/17/1991	Findings:	267.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/17/1991	Findings:	324.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/17/1991	Findings:	1.200 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/17/1991	Findings:	292.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/17/1991	Findings:	39.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/17/1991	Findings:	50.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/17/1991	Findings:	56.000 MG/L
Chemical:	SODIUM		
Sample Collected:	06/17/1991	Findings:	2.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/17/1991	Findings:	64.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/17/1991	Findings:	.160 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/17/1991	Findings:	250.000 UG/L
Chemical:	BARIUM		
Sample Collected:	06/17/1991	Findings:	13.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	06/17/1991	Findings:	.030 UG/L
Chemical:	FOAMING AGENTS (MBAS)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/17/1991	Findings:	470.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/17/1991	Findings:	17.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/17/1991	Findings:	.150 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	03/06/1992	Findings:	1.400 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/06/1992	Findings:	1.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/30/1994	Findings:	2.400 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/30/1994	Findings:	2.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/06/1994	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/06/1994	Findings:	756.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/06/1994	Findings:	7.700
Chemical:	PH (LABORATORY)		
Sample Collected:	10/06/1994	Findings:	281.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	10/06/1994	Findings:	341.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	1.200 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	.210 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	10/06/1994	Findings:	351.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	10/06/1994	Findings:	45.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/06/1994	Findings:	67.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/06/1994	Findings:	29.000 MG/L
Chemical:	SODIUM		
Sample Collected:	10/06/1994	Findings:	.670
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	10/06/1994	Findings:	2.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/06/1994	Findings:	47.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/06/1994	Findings:	.180 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	10/06/1994	Findings:	28.000 MG/L
Chemical:	SILICA		
Sample Collected:	10/06/1994	Findings:	265.000 UG/L
Chemical:	BARIUM		
Sample Collected:	10/06/1994	Findings:	14.000 UG/L
Chemical:	CHROMIUM (TOTAL)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/06/1994	Findings:	200.000 UG/L
Chemical:	IRON		
Sample Collected:	10/06/1994	Findings:	441.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/1994	Findings:	.280
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	10/06/1994	Findings:	12.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/1994	Findings:	.010 UG/L
Chemical:	IODIDE		
Sample Collected:	10/06/1994	Findings:	.150 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/06/1994	Findings:	2.100 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/06/1994	Findings:	1.900 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/17/1995	Findings:	2.100 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/17/1995	Findings:	1.700 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/20/1995	Findings:	5.740 UG/L
Chemical:	ANTHRACENE		
Sample Collected:	03/20/1995	Findings:	3.000 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/20/1995	Findings:	2.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/26/1996	Findings:	9.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/1997	Findings:	12.200 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/14/1997	Findings:	690.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/14/1997	Findings:	7.820
Chemical:	PH (LABORATORY)		
Sample Collected:	05/14/1997	Findings:	272.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	329.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	1.500 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	.260 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	05/14/1997	Findings:	312.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	42.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/14/1997	Findings:	62.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/14/1997	Findings:	53.000 MG/L
Chemical:	SODIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/14/1997	Findings:	53.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05/14/1997	Findings:	2.500 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/14/1997	Findings:	70.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/14/1997	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	05/14/1997	Findings:	258.000 UG/L
Chemical:	BARIUM		
Sample Collected:	05/14/1997	Findings:	13.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	05/14/1997	Findings:	40.000 UG/L
Chemical:	MANGANESE		
Sample Collected:	05/14/1997	Findings:	466.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/14/1997	Findings:	.240
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	05/14/1997	Findings:	12.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/1997	Findings:	.100 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	07/08/1997	Findings:	1.300 UG/L
Chemical:	BROMOFORM (THM)		

D13  
NW  
1/4 - 1/2 Mile  
Lower

CA WELLS 3483

**Water System Information:**

Prime Station Code:	03S/02E-18B01 M	User ID:	ENG
FRDS Number:	0110003014	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	374100.0 1214600.0	Precision:	1 Mile (One Minute)
Source Name:	WELL 20-01		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150 SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	03/27/1989	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/27/1989	Findings:	3.000 UNITS
Chemical:	COLOR		
Sample Collected:	03/27/1989	Findings:	570.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/27/1989	Findings:	7.590
Chemical:	PH (LABORATORY)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/27/1989	Findings:	186.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	03/27/1989	Findings:	225.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/27/1989	Findings:	.600 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	03/27/1989	Findings:	.270 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	03/27/1989	Findings:	210.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	03/27/1989	Findings:	29.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/27/1989	Findings:	33.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/27/1989	Findings:	40.000 MG/L
Chemical:	SODIUM		
Sample Collected:	03/27/1989	Findings:	1.200
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	03/27/1989	Findings:	1.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/27/1989	Findings:	39.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/27/1989	Findings:	.110 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	03/27/1989	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	03/27/1989	Findings:	210.000 UG/L
Chemical:	BARIUM		
Sample Collected:	03/27/1989	Findings:	342.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/27/1989	Findings:	-.170
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	03/27/1989	Findings:	26.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/27/1989	Findings:	.013 UG/L
Chemical:	IODIDE		
Sample Collected:	03/27/1989	Findings:	.150 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	12/12/1989	Findings:	1.200 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/12/1989	Findings:	.900 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/28/1993	Findings:	19.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/28/1993	Findings:	3.000 UNITS
Chemical:	COLOR		
Sample Collected:	01/28/1993	Findings:	780.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/28/1993	Findings:	7.810
Chemical:	PH (LABORATORY)		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/28/1993	Findings:	196.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO <sub>3</sub> )		
Sample Collected:	01/28/1993	Findings:	238.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01/28/1993	Findings:	1.000 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	01/28/1993	Findings:	.190 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	01/28/1993	Findings:	222.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	01/28/1993	Findings:	30.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	01/28/1993	Findings:	38.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	01/28/1993	Findings:	49.000 MG/L
Chemical:	SODIUM		
Sample Collected:	01/28/1993	Findings:	1.430
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	01/28/1993	Findings:	1.400 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/28/1993	Findings:	54.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01/28/1993	Findings:	.200 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	01/28/1993	Findings:	24.000 MG/L
Chemical:	SILICA		
Sample Collected:	01/28/1993	Findings:	280.000 UG/L
Chemical:	BARIUM		
Sample Collected:	01/28/1993	Findings:	60.000 UG/L
Chemical:	ZINC		
Sample Collected:	01/28/1993	Findings:	.020 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	01/28/1993	Findings:	372.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/28/1993	Findings:	.060
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	01/28/1993	Findings:	25.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	01/28/1993	Findings:	.020 UG/L
Chemical:	IODIDE		
Sample Collected:	01/28/1993	Findings:	.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	01/28/1993	Findings:	1.700 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/28/1993	Findings:	1.900 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/15/1993	Findings:	4.020 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	07/07/1993	Findings:	22.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/16/1994	Findings:	28.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/20/1995	Findings:	3.600 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/20/1995	Findings:	2.600 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/06/1995	Findings:	18.300 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/06/1995	Findings:	4.000 UNITS
Chemical:	COLOR		
Sample Collected:	11/06/1995	Findings:	808.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/06/1995	Findings:	7.830
Chemical:	PH (LABORATORY)		
Sample Collected:	11/06/1995	Findings:	215.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	11/06/1995	Findings:	260.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/06/1995	Findings:	1.200 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	11/06/1995	Findings:	.280 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	11/06/1995	Findings:	308.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	11/06/1995	Findings:	40.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/06/1995	Findings:	58.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/06/1995	Findings:	34.000 MG/L
Chemical:	SODIUM		
Sample Collected:	11/06/1995	Findings:	34.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	11/06/1995	Findings:	1.800 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/06/1995	Findings:	64.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/06/1995	Findings:	26.000 MG/L
Chemical:	SILICA		
Sample Collected:	11/06/1995	Findings:	277.000 UG/L
Chemical:	BARIUM		
Sample Collected:	11/06/1995	Findings:	230.000 UG/L
Chemical:	IRON		
Sample Collected:	11/06/1995	Findings:	73.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	11/06/1995	Findings:	.060 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	11/06/1995	Findings:	408.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/06/1995	Findings:	.232
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/06/1995	Findings:	24.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/06/1995	Findings:	.450 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	11/26/1996	Findings:	24.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/17/1996	Findings:	26.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/27/1997	Findings:	27.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/09/1997	Findings:	24.000 MG/L
Chemical:	NITRATE (AS NO3)		

D14  
NW  
1/4 - 1/2 Mile  
Lower

CA WELLS 3473

**Water System Information:**

Prime Station Code:	03S/02E-08G01 M	User ID:	ENG
FRDS Number:	0110003013	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	374100.0 1214600.0	Precision:	Undefined
Source Name:	WELL 19-01		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150 SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	08/28/1987	Findings:	55.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/08/1987	Findings:	54.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/30/1988	Findings:	1.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/27/1989	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/27/1989	Findings:	1.000 UNITS
Chemical:	COLOR		
Sample Collected:	03/27/1989	Findings:	930.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/27/1989	Findings:	7.640
Chemical:	PH (LABORATORY)		
Sample Collected:	03/27/1989	Findings:	292.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	03/27/1989	Findings:	355.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/27/1989	Findings:	1.100 MG/L
Chemical:	CARBONATE ALKALINITY		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/27/1989	Findings:	.160 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	03/27/1989	Findings:	410.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	03/27/1989	Findings:	53.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/27/1989	Findings:	68.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/27/1989	Findings:	37.000 MG/L
Chemical:	SODIUM		
Sample Collected:	03/27/1989	Findings:	.790
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	03/27/1989	Findings:	1.900 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/27/1989	Findings:	71.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/27/1989	Findings:	.110 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	03/27/1989	Findings:	30.000 MG/L
Chemical:	SILICA		
Sample Collected:	03/27/1989	Findings:	430.000 UG/L
Chemical:	BARIUM		
Sample Collected:	03/27/1989	Findings:	558.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/27/1989	Findings:	.290
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	03/27/1989	Findings:	66.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	03/27/1989	Findings:	.016 UG/L
Chemical:	IODIDE		
Sample Collected:	03/27/1989	Findings:	.150 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/05/1989	Findings:	.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/11/1989	Findings:	1.200 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/12/1989	Findings:	1.100 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/12/1989	Findings:	1.200 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/06/1991	Findings:	1.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06/05/1991	Findings:	1.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	08/27/1991	Findings:	1.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/04/1991	Findings:	.800 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/03/1992	Findings:	1.300 UG/L
Chemical:	TETRACHLOROETHYLENE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/10/1992	Findings:	1.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/21/1992	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/21/1992	Findings:	5.000 UNITS
Chemical:	COLOR		
Sample Collected:	07/21/1992	Findings:	875.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/21/1992	Findings:	7.790
Chemical:	PH (LABORATORY)		
Sample Collected:	07/21/1992	Findings:	175.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO <sub>3</sub> )		
Sample Collected:	07/21/1992	Findings:	211.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/21/1992	Findings:	.900 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	07/21/1992	Findings:	.110 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	07/21/1992	Findings:	270.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	07/21/1992	Findings:	36.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/21/1992	Findings:	42.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/21/1992	Findings:	62.000 MG/L
Chemical:	SODIUM		
Sample Collected:	07/21/1992	Findings:	1.640
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	07/21/1992	Findings:	3.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/21/1992	Findings:	110.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/21/1992	Findings:	21.000 MG/L
Chemical:	SILICA		
Sample Collected:	07/21/1992	Findings:	190.000 UG/L
Chemical:	BARIUM		
Sample Collected:	07/21/1992	Findings:	.020 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	07/21/1992	Findings:	458.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/21/1992	Findings:	.070
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	07/21/1992	Findings:	22.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	07/21/1992	Findings:	.022 UG/L
Chemical:	IODIDE		
Sample Collected:	07/21/1992	Findings:	.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	07/21/1992	Findings:	1.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/28/1992	Findings:	3.800 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	07/28/1992	Findings:	5.130 UG/L
Chemical:	DI(2-ETHYLHEXYL)ADIPATE		
Sample Collected:	09/04/1992	Findings:	1.200 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/23/1993	Findings:	63.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/09/1993	Findings:	17.800 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	06/09/1993	Findings:	1.100 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	06/09/1993	Findings:	1.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06/09/1993	Findings:	18.900 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/24/1993	Findings:	3.180 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	09/15/1993	Findings:	5.300 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	09/15/1993	Findings:	1.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/15/1993	Findings:	5.800 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/12/1993	Findings:	6.010 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	03/01/1994	Findings:	11.000 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	03/01/1994	Findings:	1.200 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/01/1994	Findings:	6.900 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	03/01/1994	Findings:	12.500 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	03/01/1994	Findings:	31.600 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/02/1994	Findings:	16.700 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	06/02/1994	Findings:	1.700 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	06/02/1994	Findings:	1.800 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	06/02/1994	Findings:	18.400 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/24/1994	Findings:	3.180 UG/L
Chemical:	DI(2-ETHYLHEXYL)PHTHALATE		
Sample Collected:	09/06/1994	Findings:	11.500 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	09/06/1994	Findings:	.800 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/06/1994	Findings:	1.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	12.300 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/28/1994	Findings:	10.500 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/28/1994	Findings:	.700 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/28/1994	Findings:	.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/28/1994	Findings:	11.200 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/08/1995	Findings:	48.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/15/1995	Findings:	48.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/22/1995	Findings:	47.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/05/1995	Findings:	50.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/05/1995	Findings:	1.600 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/05/1995	Findings:	2.700 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	09/15/1995	Findings:	3.100 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/19/1995	Findings:	47.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/26/1995	Findings:	51.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/03/1995	Findings:	65.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/06/1995	Findings:	16.700 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/06/1995	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	11/06/1995	Findings:	1036.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/06/1995	Findings:	7.930
Chemical:	PH (LABORATORY)		
Sample Collected:	11/06/1995	Findings:	294.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	11/06/1995	Findings:	354.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/06/1995	Findings:	2.000 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	11/06/1995	Findings:	.200 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	11/06/1995	Findings:	434.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/06/1995	Findings:	55.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/06/1995	Findings:	92.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/06/1995	Findings:	35.000 MG/L
Chemical:	SODIUM		
Sample Collected:	11/06/1995	Findings:	35.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	11/06/1995	Findings:	1.900 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/06/1995	Findings:	76.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/06/1995	Findings:	24.000 MG/L
Chemical:	SILICA		
Sample Collected:	11/06/1995	Findings:	405.000 UG/L
Chemical:	BARIUM		
Sample Collected:	11/06/1995	Findings:	13.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	11/06/1995	Findings:	190.000 UG/L
Chemical:	IRON		
Sample Collected:	11/06/1995	Findings:	56.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	11/06/1995	Findings:	.040 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	11/06/1995	Findings:	549.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/06/1995	Findings:	.553
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	11/06/1995	Findings:	54.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/06/1995	Findings:	.300 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	11/06/1995	Findings:	2.700 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/06/1995	Findings:	5.300 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/07/1995	Findings:	5.000 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	12/07/1995	Findings:	.600 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	12/07/1995	Findings:	.600 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/07/1995	Findings:	5.600 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/22/1996	Findings:	1.200 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	07/22/1996	Findings:	1.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/22/1996	Findings:	1.200 UG/L
Chemical:	TOTAL TRIHALOMETHANES		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/17/1996	Findings:	54.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/03/1997	Findings:	53.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/13/1997	Findings:	4.200 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/13/1997	Findings:	2.300 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/09/1997	Findings:	52.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/15/1997	Findings:	51.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/29/1997	Findings:	50.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/04/1997	Findings:	14.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/05/1997	Findings:	1.200 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/04/1997	Findings:	1.700 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	09/04/1997	Findings:	1.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/19/1997	Findings:	2.900 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/19/1997	Findings:	1.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/19/1997	Findings:	3.100 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		

D15  
NW  
1/4 - 1/2 Mile  
Lower

CA WELLS 3474

**Water System Information:**

Prime Station Code:	03S/02E-08H01 M	User ID:	ENG
FRDS Number:	0110003004	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Untreated
Source Lat/Long:	374100.0 1214600.0	Precision:	Undefined
Source Name:	WELL 04-01 - INACTIVE		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150		
	SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

D16  
 NW  
 1/4 - 1/2 Mile  
 Lower

CA WELLS      3478

**Water System Information:**

Prime Station Code:	03S/02E-09L01 M	User ID:	ENG
FRDS Number:	0110003012	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	374100.0 1214600.0	Precision:	Undefined
Source Name:	WELL 17-01		
System Number:	0110003		
System Name:	CALIFORNIA WATER SERVICE - LIVERMORE		
Organization That Operates System:	P O BOX 1150 SAN JOSE, CA 95108		
Pop Served:	50670	Connections:	14951
Area Served:	LIVERMORE		

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	05/15/1985	Findings:	4.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	10/02/1985	Findings:	4.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	10/28/1985	Findings:	4.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/03/1988	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/03/1988	Findings:	1.000 UNITS
Chemical:	COLOR		
Sample Collected:	06/03/1988	Findings:	1000.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/03/1988	Findings:	7.620
Chemical:	PH (LABORATORY)		
Sample Collected:	06/03/1988	Findings:	270.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/03/1988	Findings:	328.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	.900 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/03/1988	Findings:	.250 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	06/03/1988	Findings:	416.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/03/1988	Findings:	55.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/03/1988	Findings:	67.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/03/1988	Findings:	47.000 MG/L
Chemical:	SODIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/03/1988	Findings:	1.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	06/03/1988	Findings:	1.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/03/1988	Findings:	92.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/03/1988	Findings:	.150 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/03/1988	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	06/03/1988	Findings:	350.000 UG/L
Chemical:	BARIUM		
Sample Collected:	06/03/1988	Findings:	1.700 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/03/1988	Findings:	1.600 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/03/1988	Findings:	591.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/03/1988	Findings:	.260
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	06/03/1988	Findings:	80.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/03/1988	Findings:	.024 UG/L
Chemical:	IODIDE		
Sample Collected:	06/03/1988	Findings:	.150 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	05/10/1989	Findings:	20.100 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	05/10/1989	Findings:	212.300 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	05/23/1989	Findings:	8.800 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	05/23/1989	Findings:	197.200 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/05/1989	Findings:	9.200 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	06/05/1989	Findings:	245.900 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	09/11/1989	Findings:	16.200 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/06/1990	Findings:	108.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/04/1990	Findings:	83.300 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/06/1991	Findings:	7.200 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	03/06/1991	Findings:	238.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/05/1991	Findings:	128.500 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/17/1991	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/17/1991	Findings:	6.000 UNITS
Chemical:	COLOR		
Sample Collected:	06/17/1991	Findings:	1035.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/17/1991	Findings:	7.700
Chemical:	PH (LABORATORY)		
Sample Collected:	06/17/1991	Findings:	277.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO <sub>3</sub> )		
Sample Collected:	06/17/1991	Findings:	336.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/17/1991	Findings:	1.100 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	06/17/1991	Findings:	.240 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	06/17/1991	Findings:	405.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	06/17/1991	Findings:	52.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/17/1991	Findings:	69.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/17/1991	Findings:	51.000 MG/L
Chemical:	SODIUM		
Sample Collected:	06/17/1991	Findings:	1.100
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	06/17/1991	Findings:	2.100 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/17/1991	Findings:	98.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/17/1991	Findings:	.170 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/17/1991	Findings:	32.000 MG/L
Chemical:	SILICA		
Sample Collected:	06/17/1991	Findings:	360.000 UG/L
Chemical:	BARIUM		
Sample Collected:	06/17/1991	Findings:	14.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	06/17/1991	Findings:	60.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	06/17/1991	Findings:	.050 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	06/17/1991	Findings:	592.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/17/1991	Findings:	.310
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	06/17/1991	Findings:	69.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	06/17/1991	Findings:	.023 UG/L
Chemical:	IODIDE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/17/1991	Findings:	.700 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/27/1991	Findings:	45.800 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/03/1992	Findings:	36.700 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/06/1992	Findings:	1.400 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/06/1992	Findings:	1.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/10/1992	Findings:	49.500 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	09/04/1992	Findings:	12.600 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/04/1993	Findings:	5.400 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	03/04/1993	Findings:	24.000 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/09/1993	Findings:	52.700 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	07/07/1993	Findings:	5.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/15/1993	Findings:	12.100 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	09/15/1993	Findings:	31.300 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	03/01/1994	Findings:	12.000 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	03/01/1994	Findings:	14.700 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/02/1994	Findings:	12.400 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	06/02/1994	Findings:	14.200 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	06/30/1994	Findings:	1.900 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/30/1994	Findings:	1.700 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/06/1994	Findings:	10.600 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	10/06/1994	Findings:	21.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/06/1994	Findings:	7.000 UNITS
Chemical:	COLOR		
Sample Collected:	10/06/1994	Findings:	1034.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/06/1994	Findings:	7.590
Chemical:	PH (LABORATORY)		
Sample Collected:	10/06/1994	Findings:	287.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/06/1994	Findings:	348.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	.900 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	10/06/1994	Findings:	.150 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	10/06/1994	Findings:	433.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO <sub>3</sub> )		
Sample Collected:	10/06/1994	Findings:	58.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/06/1994	Findings:	85.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/06/1994	Findings:	51.000 MG/L
Chemical:	SODIUM		
Sample Collected:	10/06/1994	Findings:	1.070
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	10/06/1994	Findings:	2.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/06/1994	Findings:	108.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/06/1994	Findings:	.210 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	10/06/1994	Findings:	30.000 MG/L
Chemical:	SILICA		
Sample Collected:	10/06/1994	Findings:	335.000 UG/L
Chemical:	BARIUM		
Sample Collected:	10/06/1994	Findings:	14.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	10/06/1994	Findings:	350.000 UG/L
Chemical:	IRON		
Sample Collected:	10/06/1994	Findings:	148.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	10/06/1994	Findings:	616.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/1994	Findings:	.270
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	10/06/1994	Findings:	71.000 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	10/06/1994	Findings:	.027 UG/L
Chemical:	IODIDE		
Sample Collected:	10/06/1994	Findings:	.500 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/06/1994	Findings:	3.600 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/06/1994	Findings:	2.500 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/28/1994	Findings:	14.600 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	12/07/1995	Findings:	18.100 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/07/1995	Findings:	20.300 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		
Sample Collected:	11/26/1996	Findings:	51.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/17/1996	Findings:	30.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/1997	Findings:	10.600 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/14/1997	Findings:	10.000 UNITS
Chemical:	COLOR		
Sample Collected:	05/14/1997	Findings:	898.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/14/1997	Findings:	7.760
Chemical:	PH (LABORATORY)		
Sample Collected:	05/14/1997	Findings:	302.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	365.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	1.400 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	05/14/1997	Findings:	.250 UG/L
Chemical:	PHOSPHATE		
Sample Collected:	05/14/1997	Findings:	439.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	05/14/1997	Findings:	61.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/14/1997	Findings:	79.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/14/1997	Findings:	51.000 MG/L
Chemical:	SODIUM		
Sample Collected:	05/14/1997	Findings:	51.000
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	05/14/1997	Findings:	2.000 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/14/1997	Findings:	110.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/14/1997	Findings:	.120 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/14/1997	Findings:	28.000 MG/L
Chemical:	SILICA		
Sample Collected:	05/14/1997	Findings:	448.000 UG/L
Chemical:	BARIUM		
Sample Collected:	05/14/1997	Findings:	15.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	05/14/1997	Findings:	660.000 UG/L
Chemical:	IRON		
Sample Collected:	05/14/1997	Findings:	.030 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	05/14/1997	Findings:	612.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/14/1997	Findings:	.340
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	05/14/1997	Findings:	58.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/1997	Findings:	1.500 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/05/1997	Findings:	13.500 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	11/19/1997	Findings:	16.200 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	11/19/1997	Findings:	25.800 UG/L
Chemical:	DICHLORODIFLUOROMETHANE		

<b>C17</b> <b>NNE</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID:	Not Reported		
	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>52405</b>
	Shallow Water Depth:	41.67		
	Deep Water Depth:	54.17		
	Average Water Depth:	Not Reported		
	Date:	11/06/1992		

<b>C18</b> <b>NNE</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID:	Not Reported		
	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>52422</b>
	Shallow Water Depth:	41.67		
	Deep Water Depth:	54.17		
	Average Water Depth:	Not Reported		
	Date:	11/06/1992		

<b>B19</b> <b>SE</b> <b>1/4 - 1/2 Mile</b> <b>Higher</b>			<b>FED USGS</b>	<b>USGS0119300</b>
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Agency:	USGS	Site ID:	374034121453401
Site Name:	003S002E16B001M		
Dec. Latitude:	37.67604		
Dec. Longitude:	-121.76051		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	517.60		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19440701	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	410		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 82

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-11	105.00		1981-09	144.00	
1981-07	170.00		1981-05	116.00	
1981-03	90.00		1981-01	95.00	
1980-11	115.00		1980-09	124.00	
1980-07	121.00		1980-05	81.00	
1980-04-04	74.30		1980-04	77.00	
1980-03	81.00		1980-02	89.00	
1980-01	106.00		1979-11	144.00	
1979-10-02	160.80		1979-05	76.00	
1979-02-24	109.60		1979-02-14	109.60	
1979-01-09	84.80		1978-12-12	93.20	
1978-11-07	135.70		1978-10-18	144.60	
1978-09-21	155.50		1978-09-18	155.00	
1978-09	132.00		1978-08-23	160.00	
1978-06-09	144.00		1978-05-11	108.60	
1978-05	75.00		1978-04-13	76.10	
1978-03-13	83.40		1978-02-17	93.50	
1977-11	110.00		1977-09-08	104.00	
1977-08-08	103.00		1977-03-11	110.80	
1977-03	83.00		1976-10-04	114.50	
1976-07	155.00		1976-03-04	82.60	
1976-03	83.00		1975-09-18	131.70	
1975-08	152.00		1975-03-25	70.60	
1975-03	73.00		1974-09-13	134.30	
1974-09	111.00		1974-04	72.00	
1974-03-19	74.60		1973-10	112.00	
1973-09-26	131.00		1973-04	82.00	
1973-03-13	92.00		1972-10-02	119.00	
1972-08	130.00		1972-03-13	117.00	
1972-03	94.00		1971-09-10	158.00	
1971-09	133.00		1971-04-20	94.00	
1971-04	94.00		1970-09-29	151.00	
1970-09	163.00		1970-03-24	146.00	
1970-03	110.00		1969-10-23	163.00	
1969-04-30	122.00		1968-10-31	137.00	
1968-03-04	115.00		1967-10-01	161.00	
1967-04-02	116.00		1966-10-03	190.00	
1966-04-30	140.00		1965-10-01	183.00	
1965-05-01	137.00		1964-10-01	106.00	
1964-04-20	152.00		1963-10-31	165.00	
1963-05-01	137.00		1962-11-01	172.00	

**D20  
NNW  
1/4 - 1/2 Mile  
Lower**

Site ID: 4137  
 Groundwater Flow: NW  
 Shallow Water Depth: Not Reported  
 Deep Water Depth: Not Reported  
 Average Water Depth: 25  
 Date: 07/14/1997

**AQUIFLOW 52466**

**21  
SW  
1/4 - 1/2 Mile  
Higher**

**FED USGS USGS0119296**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	374031121460101
Site Name:	003S002E16E004M		
Dec. Latitude:	37.67521		
Dec. Longitude:	-121.76801		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	503.60		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19771116	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	45.0		
Hole depth:	50.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 83

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-21	21.30		1981-11-18	22.30	
1981-11-02	22.50		1981-09-29	19.80	
1981-08-31	17.70		1981-08-10	17.70	
1981-08-03	17.60		1981-06-29	17.70	
1981-06-04	17.30		1981-06-01	17.30	
1981-05-26	17.40		1981-05-19	17.50	
1981-05-12	17.50		1981-05-05	17.40	
1981-04-28	17.40		1981-04-21	17.30	
1981-04-14	17.20		1981-04-07	17.00	
1981-03-31	16.90		1981-03-24	16.50	
1981-03-17	17.10		1981-03-12	17.40	
1981-03-10	17.40		1981-03-03	17.20	
1981-02-25	17.20		1981-02-17	17.30	
1981-02-10	17.10		1981-02-03	16.70	
1981-01-27	17.60		1981-01-19	17.80	
1981-01-12	17.80		1981-01-05	17.80	
1980-12-29	17.80		1980-12-22	17.70	
1980-12-16	17.70		1980-12-09	17.60	
1980-12-02	17.60		1980-11-25	17.60	
1980-11-18	17.50		1980-11-10	17.40	
1980-11-03	17.40		1980-10-27	17.30	
1980-10-17	17.30		1980-10-01	17.20	
1980-08-26	16.90		1980-08-01	16.70	
1980-07-29	16.70		1980-06-26	16.60	
1980-05-28	16.30		1980-05-21	16.20	
1980-05-05	16.00		1980-03-26	15.70	
1980-03-05	15.00		1980-02-26	14.60	
1980-01-22	15.90		1979-12-20	17.90	
1979-11-27	17.50		1979-10-23	17.50	
1979-10-02	17.40		1979-08-17	18.40	
1979-07-21	17.10		1979-07-18	17.10	
1979-06-26	17.00		1979-06-18	17.10	
1979-06-11	17.00		1979-06-04	16.80	
1979-05-21	16.80		1979-05-07	16.50	
1979-05-03	16.60		1979-04-09	16.50	
1979-04-02	16.40		1979-03-27	16.30	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-03-19	16.20		1979-03-12	16.00	
1979-02-20	16.60		1979-01-16	16.00	
1979-01-08	17.40		1978-11-27	17.20	
1978-08-08	16.80		1978-06-20	16.80	
1978-05-30	16.40		1978-01-03	25.70	
1977-12-14	25.30				

**D22 NNW**  
**1/4 - 1/2 Mile Lower**

Site ID: 3016  
 Groundwater Flow: Not Reported  
 Shallow Water Depth: 26  
 Deep Water Depth: 29  
 Average Water Depth: Not Reported  
 Date: 04/22/1994

**AQUIFLOW 52449**

**23 East**  
**1/4 - 1/2 Mile Higher**

**FED USGS USGS0119369**

Agency: USGS Site ID: 374048121452101  
 Site Name: 003S002E09Q001M  
 Dec. Latitude: 37.67993  
 Dec. Longitude: -121.7569  
 Coord Sys: NAD83  
 State: CA  
 County: Alameda County  
 Altitude: 515.50  
 Hydrologic code: 18050004  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: 19520218 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 502  
 Hole depth: 576 Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 87

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	96.00		1981-11	104.00	
1981-10-05	119.00		1981-10	119.00	
1981-09	144.00		1981-05	104.00	
1981-04	88.00		1981-03	91.00	
1981-02	92.00		1981-01	93.00	
1980-12	103.00		1980-11	115.00	
1980-10-15	121.60		1980-10	124.00	
1980-09	126.00		1980-07	111.00	
1980-06	99.00		1980-05	78.00	
1980-04-04	72.70		1980-03	80.00	
1980-02	89.00		1980-01	101.00	
1979-10-04	132.70		1979-04-20	72.80	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-04	74.00		1978-09-18	119.70	
1978-09	128.00		1978-05	76.00	
1978-03-15	83.50		1977-10-11	122.20	
1977-08	110.00		1977-05	82.00	
1977-03-11	82.50		1976-10-04	118.00	
1976-07	164.00		1976-03-05	82.70	
1976-03	84.00		1975-09-18	191.80	
1975-09	152.00		1975-03-18	70.50	
1975-03	80.00		1974-10	110.00	
1974-09-13	103.70		1974-05	70.00	
1974-03-18	70.70		1973-09-18	130.00	
1973-09	108.00		1973-04	82.00	
1973-03-13	105.00		1972-09-25	165.20	
1972-08	132.00		1972-03-09	142.90	
1972-03	100.00		1971-09-10	125.60	
1971-08	134.00		1971-03	94.00	
1970-08	176.00		1970-03	108.00	
1969-04	101.00		1968-09	144.00	
1968-05	110.00		1967-09	142.00	
1967-05	102.00		1966-07	154.00	
1966-02	134.00		1965-10	160.00	
1965-03	140.00		1964-10	188.00	
1964-03	140.00		1963-09	182.00	
1963-05	134.00		1962-07	196.00	
1962-04	130.00		1961-08	210.00	
1961-04	140.00		1960-09	212.00	
1960-03	122.00		1959-03	104.00	
1958-09	140.00		1958-05	96.00	
1957-09	172.00		1957-04	160.00	
1956-03	146.00		1955-11	172.00	
1955-03	100.00		1954-08	166.00	
1953-01	106.00				

**E24  
NNE  
1/4 - 1/2 Mile  
Lower**

**FED USGS USGS0119324**

Agency:	USGS	Site ID:	374108121454201
Site Name:	003S002E09L001M		
Dec. Latitude:	37.68549		
Dec. Longitude:	-121.76273		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	496.70		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19600113	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	516		
Hole depth:	529	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 61

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	88.00		1981-11	99.00	
1981-10	146.00		1981-09	131.00	
1981-05	102.00		1981-04	79.00	
1981-03	84.00		1981-02	82.00	
1981-01	87.00		1980-12	148.00	
1980-11	139.00		1980-10-15	135.50	
1980-09	116.00		1980-07	115.00	
1980-05	78.00		1980-04-08	64.90	
1980-04	66.00		1980-03	73.00	
1980-02	81.00		1980-01	109.00	
1979-09	124.00		1979-05	63.00	
1979-04-20	64.40		1978-09	113.00	
1978-05	67.00		1977-10-14	115.00	
1977-09	115.00		1977-06	73.00	
1976-10	152.00		1976-04	76.00	
1975-09	148.00		1975-04	68.00	
1974-09	105.00		1974-04	66.00	
1973-09	112.00		1973-04	80.00	
1972-09	148.00		1972-03	84.00	
1971-09	117.00		1971-05	89.00	
1970-07	164.00		1970-04	100.00	
1969-10	140.00		1969-05	97.00	
1968-09	141.00		1968-04	105.00	
1967-10	148.00		1967-05	109.00	
1966-09	173.00		1966-04	124.00	
1965-11	182.00		1965-05	126.00	
1964-08	182.00		1964-04	132.00	
1963-09	195.00		1963-05	127.00	
1962-07	263.00		1962-04	148.00	
1961-09	243.00		1961-03	144.00	
1960-09	240.00				

<b>E25 NNE 1/4 - 1/2 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>52436</b>
	Groundwater Flow:	Varies		
	Shallow Water Depth:	53.31		
	Deep Water Depth:	68.84		
	Average Water Depth:	Not Reported		
	Date:	09/13/1994		

<b>F26 North 1/4 - 1/2 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53591</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	59		
	Date:	09/13/1991		

<b>F27 North 1/4 - 1/2 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53590</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	59		
	Date:	09/13/1991		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

<b>F28</b> North 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 59 09/13/1991	<b>AQUIFLOW</b>	<b>53592</b>
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<b>G29</b> WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 43 12/22/1989	<b>AQUIFLOW</b>	<b>52401</b>
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<b>G30</b> WNW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 43 12/22/1989	<b>AQUIFLOW</b>	<b>52404</b>
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<b>31</b> East 1/2 - 1 Mile Higher			<b>FED USGS</b>	<b>USGS0119304</b>
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Agency:	USGS	Site ID:	374043121451001
Site Name:	003S002E16A003M		
Dec. Latitude:	37.67854		
Dec. Longitude:	-121.75384		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	524.40		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19720501	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	240		
Hole depth:	240	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 29

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-01	46.30		1981-08-28	44.80	
1981-03-25	41.80		1980-12-04	44.70	
1980-10-27	72.50		1980-10-01	42.70	
1980-09-11	40.00		1980-08-28	40.20	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-07-29	39.80		1980-06-26	38.80	
1980-06-18	37.00		1980-05-28	35.30	
1980-05-05	34.40		1980-03-27	34.10	
1980-03-21	33.10		1980-02-26	35.80	
1980-01-22	41.20		1979-12-20	49.50	
1979-11-27	48.80		1979-10-23	48.60	
1979-10-05	48.30		1979-07-18	44.50	
1979-06-26	59.90		1979-05-31	40.60	
1979-04-20	39.30		1979-02-20	42.20	
1979-01-18	43.20		1978-11-27	46.30	
1977-10-11	61.30				

<b>H32 West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>52402</b>
	Groundwater Flow:	NW		
	Shallow Water Depth:	35		
	Deep Water Depth:	65		
	Average Water Depth:	Not Reported		
	Date:	11/06/1990		

<b>H33 West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>52411</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	45		
	Date:	11/12/1992		

<b>H34 West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>52412</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	45		
	Date:	11/12/1992		

<b>35 West 1/2 - 1 Mile Lower</b>		<b>FED USGS</b>	<b>USGS0119371</b>
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Agency:	USGS	Site ID:	374049121463301
Site Name:	003S002E08P002M		
Dec. Latitude:	37.68021		
Dec. Longitude:	-121.7769		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	463.00		
Hydrologic code:	18050004		
Topographic:	Flat surface		
Site Type:	Ground-water other than Spring		
Const Date:	19241118	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 412  
 Hole depth: 420 Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 115

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-09	90.00		1983-06	71.00	
1983-03	57.00		1982-12	63.00	
1982-10	65.00		1982-04-30	75.00	
1982-03-31	109.00		1981-11	84.00	
1981-09	74.00		1981-05	84.00	
1981-03	100.00		1981-01	80.00	
1980-11	70.00		1980-10	85.00	
1980-04	45.00		1979-04	40.00	
1978-10	82.00		1977-10	60.00	
1974-06-05	57.00		1974-05-22	47.70	
1974-04-10	41.30		1974-03-13	46.00	
1974-03	46.00				
1974-02-13	0.00				
Note: The site was being pumped.					
1974-01-02	85.00		1973-12-05	98.00	
1973-11-07	105.00		1973-10-10	109.00	
1973-09-12	121.00		1973-09	121.00	
1973-08-01	116.00		1973-07-05	128.00	
1973-06-06	114.00		1973-05-09	108.00	
1973-04-11	78.00		1973-03-14	63.00	
1973-03	63.00		1973-02-15	82.50	
1973-01-03	83.00		1972-12-06	89.00	
1972-11-08	93.00		1972-10-11	93.00	
1972-09-12	140.00		1972-08-02	144.00	
1972-07-05	139.00		1972-06-07	129.00	
1972-05-10	112.00		1972-04-12	102.00	
1972-03-01	72.00		1972-02-02	65.00	
1972-01-05	80.00		1971-12-08	71.00	
1971-11-10	112.00		1971-10-13	115.00	
1971-09-01	124.00		1971-08-04	127.00	
1971-07-07	122.00		1971-06-09	124.00	
1971-04-28	69.00		1971-04-14	67.00	
1971-03-03	67.50		1971-02-03	105.00	
1971-01-06	70.00		1970-12-09	79.00	
1970-11-25	90.00		1970-10-14	84.00	
1970-09-02	101.00		1970-08-05	91.00	
1970-06-24	90.00		1970-06-10	84.00	
1970-05-12	82.00		1970-04-01	78.00	
1970-03-04	86.00		1970-02-04	86.00	
1970-01-08	93.00		1969-12-11	105.00	
1969-10-29	103.00		1969-10-01	111.00	
1969-09-03	152.00		1969-08-06	138.00	
1969-07-02	136.00		1969-06-04	130.00	
1969-05-08	92.00		1969-04-02	95.50	
1969-03-05	113.00		1969-02-05	117.00	
1969-01-02	120.00		1968-12-04	117.00	
1968-11-06	140.00		1968-10-02	142.00	
1968-09-05	166.00		1968-08-09	165.00	
1968-07-03	138.00		1968-06-05	163.00	



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1968-05-01	119.00		1968-04-03	112.00	
1968-03-06	115.00		1968-02-07	115.00	
1968-01-03	123.00		1967-12-06	123.00	
1967-11-01	128.00		1967-10-04	135.00	
1967-09-06	140.00		1967-08-01	171.00	
1967-07-05	159.50		1967-06-07	110.00	
1967-05-03	105.00		1967-04-05	120.00	
1967-03-01	170.00		1967-02-01	168.00	
1967-01-04	140.00		1966-12-14	143.00	
1966-11-09	163.00		1966-10-03	190.00	
1966-08-31	191.00				

**36**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0119292**

Agency:	USGS	Site ID:	374027121462601
Site Name:	003S002E17G001M		
Dec. Latitude:	37.6741		
Dec. Longitude:	-121.77495		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	Not Reported		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**37**  
**WNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0119378**

Agency:	USGS	Site ID:	374100121463201
Site Name:	003S002E08N002M		
Dec. Latitude:	37.68326		
Dec. Longitude:	-121.77662		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	452.00		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19580116	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 526  
 Hole depth: 530  
 Project no: Not Reported

Source: Not Reported

Ground-water levels, Number of Measurements: 77

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	37.00		1981-11	41.00	
1981-10	86.00		1981-09	38.00	
1981-05	51.00		1981-04-28	94.50	
1981-03	37.00		1981-02	38.00	
1981-01	48.00		1980-11	33.00	
1980-10-10	46.50		1980-09	38.00	
1980-07	35.00		1980-06	33.00	
1980-05	34.00		1980-04-08	29.40	
1980-04	28.00		1980-03	28.00	
1980-02	31.00		1980-01	41.00	
1979-08	50.00		1979-04-20	32.50	
1979-04	26.00		1978-11	54.00	
1978-05	27.00		1977-10-03	50.80	
1977-09	52.00		1977-03-29	39.70	
1977-02-18	42.50		1977-02	37.00	
1977-01-19	35.20		1976-12-20	39.10	
1976-11-23	42.10		1976-10-22	47.80	
1976-09-17	54.60		1976-08-26	117.30	
1976-08	70.00		1976-07-06	119.40	
1976-06-16	114.60		1976-05-28	108.70	
1976-04-28	115.00		1976-03-25	33.40	
1976-03	37.00		1976-02-11	36.00	
1976-01-27	38.90		1975-06	72.00	
1975-04	32.00		1974-07	52.00	
1974-04	32.00		1973-07	57.00	
1973-04	42.00		1972-09	86.00	
1972-02	46.00		1971-09	63.00	
1971-04	42.00		1970-08	102.00	
1970-04	57.00		1969-09	98.00	
1969-05	78.00		1968-08	64.00	
1968-03	87.00		1967-11	110.00	
1967-05	84.00		1966-09	136.00	
1966-03	58.00		1965-10	126.00	
1965-05	57.00		1964-09	142.00	
1964-01	61.00		1963-07	125.00	
1963-05	54.00		1962-09	146.00	
1962-04	64.00		1961-09	130.00	
1961-01	122.00		1960-09	132.00	
1960-03	102.00				

I38  
 NW  
 1/2 - 1 Mile  
 Lower

FED USGS USGS0119333

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	374118121461701
Site Name:	003S002E08G001M		
Dec. Latitude:	37.68826		
Dec. Longitude:	-121.77245		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	474.50		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19290318	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	625		
Hole depth:	625	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 144

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-10-27	64.40		1980-10-01	69.00	
1980-08-26	69.30		1980-07-29	64.10	
1980-06-26	62.00		1980-05-28	57.30	
1980-05-05	52.60		1980-03-26	48.10	
1980-02-26	50.70		1980-01-22	57.80	
1979-12-20	66.30		1979-11-27	65.80	
1979-10-23	66.40		1979-10-04	71.40	
1979-08-17	70.70		1979-05-31	63.20	
1979-04-20	52.30		1978-09-20	74.20	
1978-03-21	52.70		1977-11-08	71.80	
1977-10-11	71.90		1977-09-12	74.70	
1977-08-10	72.50		1977-07-08	70.90	
1977-06-07	66.90		1977-05-10	62.10	
1977-04-11	60.10		1977-03-11	60.70	
1977-02-07	58.40		1977-01-10	59.40	
1976-12-07	64.00		1976-11-10	69.60	
1976-10-13	77.60		1976-09-08	84.00	
1976-08-12	87.20		1976-07-16	90.00	
1976-06-09	80.20		1976-05-12	74.00	
1976-04-16	59.50		1976-03-08	55.70	
1976-02-09	59.40		1976-01-15	61.50	
1975-11-25	63.10		1975-10-30	68.00	
1975-10-01	75.50		1975-09-11	77.60	
1975-08-06	82.90		1975-07-30	79.90	
1975-07-09	69.20		1975-06-11	75.10	
1975-05-16	62.70		1975-04-16	50.90	
1975-03-17	53.90		1975-02-19	56.80	
1975-01-27	62.50		1974-12-26	68.10	
1974-11-25	71.70		1974-10-31	68.00	
1974-10-02	79.10		1974-09-05	75.70	
1974-08-09	75.50		1974-07-10	74.80	
1974-06-12	131.60		1974-05-15	121.40	
1974-04-11	73.70		1974-03-20	110.70	
1974-02-26	73.70		1974-01-23	73.80	
1973-12-27	84.40		1973-12-26	115.40	
1973-11-26	117.90		1973-10-31	119.60	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1973-10-03	76.60		1973-09-05	72.30	
1973-08-08	76.90		1973-07-11	75.10	
1973-06-13	74.70		1973-05-16	110.00	
1973-04-18	67.50		1973-03-22	67.60	
1973-02-21	68.60		1973-01-24	80.00	
1972-11-29	87.80		1972-11-11	91.00	
1972-10-04	94.30		1972-09-06	103.50	
1972-08-10	102.80		1972-07-13	100.20	
1972-06-14	91.50		1972-05-18	80.20	
1972-04-19	76.20		1972-03-22	76.30	
1972-02-23	66.30		1972-01-26	66.90	
1971-12-29	77.90		1971-12-01	133.50	
1971-11-03	72.70		1971-10-06	80.40	
1971-09-08	89.00		1971-08-11	97.60	
1971-07-14	88.90		1971-06-16	91.90	
1971-05-19	139.60		1971-04-21	73.00	
1971-03-24	72.80		1971-02-24	74.50	
1971-01-27	74.80		1970-12-30	82.00	
1970-12-02	87.00		1970-11-04	93.00	
1970-10-08	135.00		1970-09-10	124.00	
1970-08-12	110.00		1970-07-15	104.40	
1970-06-17	100.50		1970-05-20	140.00	
1970-04-22	135.00		1970-03-25	92.50	
1970-02-25	153.00		1970-01-28	151.00	
1969-12-30	135.00		1969-12-03	145.00	
1969-11-05	158.00		1969-10-08	159.00	
1969-09-17	120.00		1969-08-28	127.50	
1969-04-30	173.00		1968-10-01	132.00	
1968-03-04	113.00		1967-10-01	168.00	
1967-04-02	116.00		1966-10-03	207.00	
1966-03-31	179.00		1965-10-04	157.00	
1965-04-01	133.00		1964-09-01	167.00	
1964-02-29	132.00		1963-07-31	153.00	
1963-02-28	143.00		1962-09-01	181.00	
1962-03-28	163.00		1961-09-30	184.00	
1961-03-01	135.00		1957-08-22	174.00	

39  
WSW  
1/2 - 1 Mile  
Lower

FED USGS USGS0119297

Agency:	USGS	Site ID:	374031121463401
Site Name:	003S002E17G002M		
Dec. Latitude:	37.67521		
Dec. Longitude:	-121.77718		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	Not Reported		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 111ALVM  
 Aquifer type: Not Reported  
 Well depth: Not Reported  
 Hole depth: Not Reported      Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

**I40**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

FED USGS      USGS0119397

Agency: USGS      Site ID: 374120121461701  
 Site Name: 003S002E08H001M  
 Dec. Latitude: 37.68882  
 Dec. Longitude: -121.77245  
 Coord Sys: NAD83  
 State: CA  
 County: Alameda County  
 Altitude: 472.50  
 Hydrologic code: 18050004  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: 19290101      Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 625  
 Hole depth: 625      Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 78

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	66.00		1981-11	66.00	
1981-10	69.00		1981-09	69.00	
1981-07	72.00		1981-06	45.00	
1981-05-20	41.50		1981-05	68.00	
1981-04-22	37.20		1981-04	57.00	
1981-03-25	31.80		1981-03-09	34.00	
1981-03	59.00		1981-02-26	35.20	
1981-02	49.00		1981-01-28	40.00	
1981-01	62.00		1980-12-03	41.90	
1980-12	63.00		1980-11-12	42.10	
1980-11	64.00		1980-10-27	64.40	
1980-10-15	41.70		1980-09	64.00	
1980-08-26	69.30		1980-08	65.00	
1980-07-29	64.10		1980-07-15	38.80	
1980-07	61.00		1980-06-26	62.00	
1980-06-24	39.40		1980-06	57.00	
1980-05-28	57.30		1980-05-05	52.60	
1980-05	52.00		1980-04-04	34.60	
1980-04	49.00		1980-03-26	48.10	
1980-03	50.00		1980-02-26	50.70	
1980-02	54.00		1980-01-22	57.80	
1980-01	66.00		1979-12-20	66.30	
1979-11-27	65.80		1979-10-23	66.40	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-10-04	71.40		1979-08-17	70.70	
1979-08	70.00		1979-05-31	63.20	
1979-05	44.00		1979-04-20	52.30	
1978-10	86.00		1978-09-25	74.20	
1978-05	50.00		1978-03-21	52.70	
1977-11-08	71.80		1977-10-11	71.90	
1977-10	74.00		1977-09-12	74.70	
1977-02	48.00		1976-08	92.00	
1976-03	56.00		1975-09	98.00	
1975-03	57.00		1974-07	98.00	
1974-02	64.00		1973-08	80.00	
1973-04	67.00		1972-09	106.00	
1972-03	68.00		1971-08	98.00	
1971-05	70.00		1970-08	107.00	
1970-04	94.00		1969-11	124.00	
1969-06	108.00		1968-07	146.00	

**41 West 1/2 - 1 Mile Lower**  
 Site ID: 2944  
 Groundwater Flow: NW **AQUIFLOW 52445**  
 Shallow Water Depth: 14.98  
 Deep Water Depth: 28.50  
 Average Water Depth: Not Reported  
 Date: 06/27/1995

**42 WNW 1/2 - 1 Mile Lower**  
**FED USGS USGS0119312**

Agency: USGS Site ID: 374055121464001  
 Site Name: 003S002E08P001M  
 Dec. Latitude: 37.68187  
 Dec. Longitude: -121.77884  
 Coord Sys: NAD83  
 State: CA  
 County: Alameda County  
 Altitude: 465.50  
 Hydrologic code: 18050004  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: 19481001 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 110ALVM  
 Aquifer type: Not Reported  
 Well depth: 273  
 Hole depth: 273 Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 35

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12	44.00		1981-11	51.00	
1981-10	50.00		1981-09	49.00	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-06	44.00		1981-05	47.00	
1981-04	43.00		1981-03	42.00	
1981-02	46.00		1981-01	45.00	
1980-12	43.00		1980-11	42.00	
1980-10-10	44.30		1980-10	46.00	
1980-09	56.00		1980-07	41.00	
1980-06	40.00		1980-05	35.00	
1980-04-08	34.60		1980-04	34.00	
1980-03	35.00		1980-02	40.00	
1980-01	44.00		1979-09	46.00	
1979-04-20	38.80		1979-03	39.00	
1978-09	50.00		1978-05	37.00	
1977-10-03	56.60		1977-09	59.00	
1977-01	43.00		1976-07	64.00	
1976-03	43.00		1975-09	60.00	
1975-05	40.00				

**43  
WNW  
1/2 - 1 Mile  
Lower**

**FED USGS USGS0119385**

Agency:	USGS	Site ID:	374103121463801
Site Name:	003S002E08K002M		
Dec. Latitude:	37.6841		
Dec. Longitude:	-121.77829		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	461.50		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19771020	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	74.0		
Hole depth:	75.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 156

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-01-29	30.20		1982-01-18	30.40	
1982-01-12	30.30		1982-01-04	35.00	
1981-12-28	37.60		1981-12-21	32.90	
1981-12-17	38.00		1981-12-08	36.80	
1981-12-07	37.20		1981-11-30	37.10	
1981-11-23	36.90		1981-11-16	37.60	
1981-11-09	38.70		1981-11-02	38.60	
1981-10-26	39.00		1981-10-19	39.00	
1981-10-13	38.40		1981-10-05	38.10	
1981-09-29	37.70		1981-09-21	37.50	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-09-14	37.60		1981-09-08	37.80	
1981-08-31	37.20		1981-08-26	36.90	
1981-08-17	37.10		1981-08-10	37.20	
1981-08-05	37.30		1981-08-03	37.20	
1981-07-27	37.00		1981-07-20	36.40	
1981-07-13	35.90		1981-06-29	35.50	
1981-06-22	35.40		1981-06-16	35.10	
1981-06-08	35.00		1981-06-03	34.90	
1981-06-01	34.80		1981-05-26	34.90	
1981-05-19	35.10		1981-05-12	35.30	
1981-05-05	35.00		1981-04-28	34.40	
1981-04-21	33.80		1981-04-14	33.30	
1981-04-07	32.70		1981-03-31	32.50	
1981-03-24	32.60		1981-03-17	33.70	
1981-03-10	33.90		1981-03-03	33.60	
1981-02-25	33.50		1981-02-17	33.60	
1981-02-10	33.40		1981-02-09	33.40	
1981-02-03	33.40		1981-01-27	35.50	
1981-01-19	36.10		1981-01-12	35.90	
1981-01-05	35.70		1980-12-29	35.60	
1980-12-22	35.50		1980-12-16	35.00	
1980-12-09	35.20		1980-12-02	34.70	
1980-11-25	34.80		1980-11-18	34.70	
1980-11-10	34.60		1980-11-03	34.80	
1980-10-24	34.90		1980-10-20	35.00	
1980-10-17	34.90		1980-10-14	34.80	
1980-10-06	54.60		1980-09-29	34.10	
1980-09-22	33.50		1980-09-15	33.20	
1980-09-09	33.20		1980-09-02	33.10	
1980-08-25	32.90		1980-08-18	32.70	
1980-08-12	32.60		1980-08-06	32.30	
1980-07-28	31.80		1980-07-21	31.50	
1980-07-15	31.60		1980-07-14	31.70	
1980-07-08	31.90		1980-07-02	32.30	
1980-06-23	31.70		1980-06-16	31.30	
1980-06-09	30.70		1980-06-02	30.30	
1980-05-26	30.10		1980-05-19	29.60	
1980-05-12	29.20		1980-05-04	28.70	
1980-04-27	28.30		1980-04-20	28.00	
1980-04-14	27.80		1980-04-07	27.50	
1980-03-31	27.40		1980-03-24	27.10	
1980-03-17	27.00		1980-03-10	26.80	
1980-03-05	27.20		1980-03-03	27.20	
1980-02-25	28.00		1980-02-18	30.30	
1980-02-11	31.00		1980-02-04	30.90	
1980-01-28	30.30		1980-01-21	31.00	
1980-01-14	32.40		1979-12-31	35.20	
1979-12-18	36.30		1979-12-03	36.20	
1979-11-19	36.30		1979-11-05	36.30	
1979-10-22	36.80		1979-10-19	36.60	
1979-10-08	37.30		1979-09-24	37.10	
1979-09-10	36.80		1979-08-27	36.10	
1979-08-13	35.30		1979-07-30	34.30	
1979-07-21	34.30		1979-07-09	33.70	
1979-06-25	33.50		1979-06-18	33.30	



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-06-12	33.20		1979-06-04	32.30	
1979-05-21	30.70		1979-05-07	30.80	
1979-04-30	30.80		1979-04-26	30.70	
1979-04-09	30.00		1979-04-02	30.00	
1979-03-27	30.40		1979-03-19	29.80	
1979-03-12	29.90		1979-02-27	30.70	
1979-02-20	31.90		1979-02-16	32.60	
1979-02-13	32.20		1979-02-06	32.50	
1979-01-30	31.80		1979-01-23	32.00	
1979-01-16	33.00		1979-01-08	35.70	
1978-12-29	48.80		1978-11-22	37.40	
1978-08-09	35.60		1978-06-20	32.60	
1978-05-30	31.40		1977-12-13	50.60	

44  
SE  
1/2 - 1 Mile  
Higher

FED USGS USGS0119286

Agency:	USGS	Site ID:	374016121450801
Site Name:	003S002E16J001M		
Dec. Latitude:	37.67104		
Dec. Longitude:	-121.75329		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	543.10		
Hydrologic code:	18050004		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19410707	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	501		
Hole depth:	501	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 158

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-22	68.60		1981-09-30	85.00	
1981-06-24	100.10		1981-03-13	70.00	
1980-12-10	73.90		1980-10-30	81.90	
1980-10-27	83.00		1980-10-01	98.50	
1980-08-26	98.50		1980-08-13	96.70	
1980-07-29	96.00		1980-06-26	89.70	
1980-03-26	59.00		1980-02-26	61.30	
1980-01-25	65.50		1980-01-22	70.50	
1979-12-31	85.40		1979-12-20	85.30	
1979-11-27	83.20		1979-10-23	92.20	
1979-10-02	103.60		1979-08-20	104.30	
1979-08-17	103.50		1979-07-18	101.40	
1979-06-26	98.10		1979-05-31	89.40	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-05-14	70.40		1979-04-19	62.70	
1979-03-14	61.80		1979-03-01	62.20	
1979-01-04	69.50		1978-12-21	70.20	
1978-12-14	70.20		1978-11-09	78.00	
1978-10-12	89.90		1978-09-18	100.30	
1978-08-25	99.70		1978-08-08	98.10	
1978-07-11	90.30		1978-06-15	85.60	
1978-06-12	85.80		1978-05-12	58.20	
1978-04-27	56.90		1978-04-11	56.90	
1978-03-07	61.50		1978-02-07	65.80	
1978-01-27	68.20		1978-01-10	82.60	
1977-12-14	99.70		1977-11-21	97.50	
1977-11-08	88.30		1977-10-11	83.30	
1977-09-12	82.30		1977-08-10	85.00	
1977-07-27	85.07		1977-07-08	88.40	
1977-06-07	88.10		1977-05-10	82.70	
1977-04-11	79.60		1977-03-10	77.40	
1977-02-07	74.10		1977-01-10	70.00	
1976-12-07	73.50		1976-11-10	80.00	
1976-10-13	84.20		1976-09-08	104.00	
1976-08-12	111.60		1976-07-16	116.90	
1976-06-09	111.50		1976-05-12	101.90	
1976-04-16	75.50		1976-03-08	69.70	
1976-02-09	73.40		1976-01-15	75.40	
1975-11-25	82.60				

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-10-30 93.20

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-10-01 101.20

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-09-11 114.00

Note: A nearby site that taps the same aquifer was being pumped.

1975-08-06 126.10

Note: A nearby site that taps the same aquifer was being pumped.

1975-07-30 109.10

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-07-09 107.10

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-06-11 111.60

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-05-15 73.30

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-04-16 62.30

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-03-17 65.80

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-02-19 67.80

Note: A nearby site that taps the same aquifer had been pumped recently.

1975-01-27 69.90

Note: A nearby site that taps the same aquifer had been pumped recently.

1974-12-26 71.10

Note: A nearby site that taps the same aquifer had been pumped recently.

1974-11-25 79.10

Note: A nearby site that taps the same aquifer had been pumped recently.

1974-10-31 84.20

Note: A nearby site that taps the same aquifer had been pumped recently.

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-10-02	85.20				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-09-05	98.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-08-09	105.30				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-07-10	94.30				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-06-12	105.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-05-15	85.50				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-04-27	73.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-03-20	70.30				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-02-20	77.60				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1974-01-23	75.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-12-27	107.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-12-26	80.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-11-26	86.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-10-31	98.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-10-03	114.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-09-05	103.60				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-08-08	105.20				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-07-11	105.20				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-06-13	101.30				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-05-16	107.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-04-18	101.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-03-22	79.70				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-02-24	86.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1973-01-24	94.20				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-11-29	113.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-11-11	124.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-10-04	132.80				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-09-06	152.30				
	Note: A nearby site that taps the same aquifer had been pumped recently.				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1972-08-10	150.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-07-13	143.10				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-06-14	127.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-05-18	116.70				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-04-19	106.60				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-03-22	105.20				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-02-23	100.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1972-01-26	107.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-12-29	118.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-12-01	120.40				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-11-03	119.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-10-06	127.60				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-09-08	140.60				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-08-11	145.80				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-07-11	151.00				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-06-16	147.00				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-05-19	135.20				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-04-21	141.00				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-03-24	131.00				
	Note: A nearby site that taps the same aquifer was being pumped.				
1971-02-24	125.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1971-01-27	122.50				
	Note: A nearby site that taps the same aquifer was being pumped.				
1970-12-30	142.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-12-02	138.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-11-04	178.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-10-08	193.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-09-10	189.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-08-12	198.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1970-07-15	201.00				
	Note: A nearby site that taps the same aquifer had been pumped recently.				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1970-06-17	200.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1970-05-20	145.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1970-04-22	145.20				
Note: A nearby site that taps the same aquifer was being pumped.					
1970-03-25	136.50				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1970-02-25	143.20				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1970-01-28	145.50				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-12-30	171.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-12-03	175.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-11-05	177.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-10-08	176.20				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-09-17	178.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					
1969-09-04	187.00				
Note: A nearby site that taps the same aquifer had been pumped recently.					

<b>45</b> <b>West</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported N 43 45 Not Reported 10/03/1990	<b>AQUIFLOW</b>	<b>52317</b>
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<b>46</b> <b>NW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Agency: Site Name: Dec. Latitude: Dec. Longitude: Coord Sys: State: County: Altitude: Hydrologic code: Topographic: Site Type: Const Date: Well Type: Primary Aquifer: Aquifer type: Well depth: Hole depth: Project no:	USGS 003S002E08H002M 37.69049 -121.77384 NAD83 CA Alameda County 467.40 18050004 Valley flat Ground-water other than Spring 19760526 Single well, other than collector or Ranney type 110ALVM Not Reported 46.0 47.0 Not Reported	Site ID:              Inven Date:       Source:	374126121462201              Not Reported    Not Reported	<b>FED USGS</b> <b>USGS0119335</b>
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 59

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-21	41.70		1981-11-18	39.60	
1981-11-13	41.60		1981-10-26	41.70	
1981-09-30	39.50		1981-08-31	41.30	
1981-08-04	41.70		1981-08-03	41.60	
1981-06-29	35.90		1981-05-28	41.70	
1981-05-20	41.50		1981-04-22	37.20	
1981-03-25	31.80		1981-03-09	34.00	
1981-02-26	35.20		1981-01-28	40.00	
1980-12-03	41.90		1980-11-12	42.10	
1980-10-15	41.70		1980-07-15	38.80	
1980-06-24	39.40		1980-04-04	34.60	
1980-03-05	27.00		1979-10-19	41.60	
1979-07-21	41.20		1979-06-25	36.50	
1979-06-18	36.80		1979-06-12	40.00	
1979-06-04	39.10		1979-05-21	39.60	
1979-05-07	38.80		1979-04-30	38.40	
1979-04-26	38.10		1979-04-09	34.70	
1979-04-02	32.20		1979-03-27	29.70	
1979-03-19	29.30		1979-03-16	37.90	
1979-03-12	29.30		1979-02-27	30.30	
1979-01-16	29.90		1979-01-08	41.90	
1978-11-22	39.20		1978-08-09	35.60	
1978-05-30	32.40		1978-04-06	28.70	
1977-12-08	37.80		1977-11-01	39.80	
1977-10-03	41.70		1977-02-16	41.60	
1977-01-21	41.30		1976-12-27	37.00	
1976-12-03	41.60		1976-11-19	36.90	
1976-10-28	32.10		1976-10-25	32.10	
1976-07-08	33.30		1976-06-16	33.50	
1976-06-14	33.10				

47  
NW  
1/2 - 1 Mile  
Lower

FED USGS USGS0119393

Agency:	USGS	Site ID:	374117121463501
Site Name:	003S002E18G001M		
Dec. Latitude:	37.68799		
Dec. Longitude:	-121.77745		
Coord Sys:	NAD83		
State:	CA		
County:	Alameda County		
Altitude:	462.40		
Hydrologic code:	18050004		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19600503	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110ALVM		
Aquifer type:	Not Reported		
Well depth:	465		
Hole depth:	465	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 128

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-10-10	53.20		1980-04-04	37.90	
1979-10-04	54.10		1979-04-20	44.50	
1978-09-20	58.40		1978-03-21	42.30	
1977-11-08	60.50		1977-10-11	60.60	
1977-09-12	63.60		1977-08-10	62.60	
1977-07-08	59.60		1977-06-07	58.50	
1977-05-10	53.00		1977-04-11	52.30	
1977-03-11	51.20		1977-02-07	47.70	
1977-01-10	47.70		1976-12-07	51.60	
1976-11-10	55.50		1976-10-13	60.70	
1976-09-08	63.80		1976-08-12	67.50	
1976-07-16	68.80		1976-06-09	64.60	
1976-05-12	61.90		1976-04-16	50.80	
1976-03-08	47.80		1976-02-09	49.00	
1976-01-15	49.60		1975-11-25	52.60	
1975-10-30	60.00		1975-10-01	61.10	
1975-09-11	59.50		1975-08-06	63.90	
1975-07-30	62.80		1975-07-09	55.80	
1975-06-11	57.40		1975-05-15	51.20	
1975-04-16	42.70		1975-03-17	44.90	
1975-02-19	44.90		1975-01-27	53.50	
1974-12-26	50.60		1974-11-25	58.20	
1974-10-31	56.60		1974-10-02	57.80	
1974-09-05	61.30		1974-08-09	58.30	
1974-07-10	53.70		1974-06-12	55.70	
1974-05-15	48.30		1974-04-17	50.60	
1974-03-20	45.90		1974-02-20	47.50	
1974-01-23	46.80		1973-12-27	75.50	
1973-12-26	49.50		1973-11-26	53.90	
1973-10-31	56.00		1973-10-03	60.30	
1973-09-05	58.50		1973-08-08	60.50	
1973-07-11	83.40		1973-06-13	60.00	
1973-05-16	59.70		1973-04-18	51.20	
1973-03-22	51.40		1973-02-21	58.80	
1973-01-24	69.40		1972-11-29	76.90	
1972-11-11	78.50		1972-10-04	82.00	
1972-09-06	85.60		1972-08-10	85.10	
1972-07-13	103.90		1972-06-14	97.00	
1972-05-18	68.50		1972-04-19	64.30	
1972-03-22	60.40		1972-02-23	56.10	
1972-01-26	53.00		1971-12-29	58.70	
1971-12-01	59.80		1971-11-03	57.90	
1971-10-06	63.90		1971-09-08	67.50	
1971-08-11	72.80		1971-07-14	85.50	
1971-06-16	69.10		1971-05-19	63.20	
1971-04-21	60.50		1971-03-24	61.00	
1971-02-24	61.00		1971-01-27	58.50	
1970-12-30	65.00		1970-12-02	69.40	
1970-11-04	73.00		1970-10-08	98.00	
1970-09-10	90.00		1970-08-12	85.00	
1970-07-15	80.00		1970-06-17	74.00	
1970-05-20	118.00		1970-04-22	110.00	
1970-03-25	92.50		1970-02-25	76.00	
1970-01-28	77.00		1969-12-30	89.00	
1969-12-03	90.00		1969-11-05	91.00	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1969-10-08	91.70	
1969-08-28	119.00	
1968-10	113.00	
1967-10-01	162.00	
1966-10-03	135.00	
1965-10-01	183.00	
Note: The site was being pumped.		
1965-05-01	108.00	
1964-04-30	120.00	
1963-05-01	103.00	
1962-05-01	133.00	

Date	Feet below Surface	Feet to Sealevel
1969-09-17	93.70	
1969-04-30	114.00	
1968-03-04	95.00	
1967-04-02	103.00	
1966-04-30	120.00	
1964-10-01	140.00	
1963-10-31	117.00	
1962-10-01	132.00	



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
94550	18	3	16.67

Federal EPA Radon Zone for ALAMEDA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94550

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.567 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF: Public Water Systems Violation and Enforcement Data**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells: USGS National Water Inventory System (NWIS)**

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

### California Oil and Gas Well Locations for District 2, 3, 5 and 6

Source: Department of Conservation

Telephone: 916-323-1779

## RADON

### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## OTHER

### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

**California Earthquake Fault Lines:** The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.



**ZONE 7 WATER AGENCY**  
 5997 PARKSIDE DRIVE  
 PLEASANTON, CA 94588

**WELL LOCATION MAP**

SCALE: 1"= 600 ft

DATE: 3/29/04

515 S. Livermore Ave - Wells  
Zone 7 Map for FLOODSPECIALSPECIALS.WOR

**APPENDIX D**

# GETTLER-RYAN INC.

## FIELD METHODS AND PROCEDURES

### Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

### Collection of Soil Samples

Soil borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring. Soil samples obtained with a Geoprobe® rig are collected from the soil boring with a split-barrel sampling device fitted with 1.5-inch-diameter, clean brass tubes. The Geoprobe® drives the sampling device approximately 24 inches, and the filled sampler is then retrieved from the boring. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart or GSA Rock Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Samples are selected for chemical analysis based on:

- a. depth relative to underground storage tanks and existing ground surface
- b. depth relative to known or suspected groundwater
- c. presence or absence of contaminant migration pathways
- d. presence or absence of discoloration or staining
- e. presence or absence of obvious gasoline hydrocarbon odors
- f. presence or absence of organic vapors detected by headspace analysis

### Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves placing a plastic cap over the end of the tube and allowing the sample to sit for several minutes. The PID probe is then inserted through a hole in the cap and the atmosphere within tested. Head-space screening results are recorded on the boring log. Head-space screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

### Grab Groundwater Sampling

Grab samples of groundwater are collected from the boring using a peristaltic pump or micro-bailer. With the peristaltic pump, new Tygon® tubing is placed in the pump prior to collection of each sample. The tubing is

1547 1 2 2004

lowered into the boring through the GeoProbe equipment after groundwater has been allowed to collect. The peristaltic pump is used to evacuate water from the boring where it is discharged to laboratory-supplied containers appropriate for the anticipated analyses. With the micro-bailer, the cleaned bailer is lowered through the GeoProbe equipment into the groundwater. The bailer is allowed to fill, then is brought to the surface where the water is decanted into the sample container. The micro-bailer may also consist of a clean piece of tubing with a check valve at the bottom. The tubing is pumped up and down to bring the water sample to the surface and discharge the sample to the appropriate container.

Following collection of the groundwater sample, the sample bottles are then labeled and placed in chilled storage for transport to the analytical laboratory. A chain-of-custody form is initiated in the field and accompanies the groundwater samples to the analytical laboratory.

### **Soil Vapor Sampling**

Soil vapor samples are collected by advancing the Geoprobe® to a discrete depth. Once the desired depth is attained, a 1/4-inch polyethylene tubing is threaded through the inside diameter of the drive rods and connected either to a tedlar bag or summa canister. The bottom portion of the drive rod is retracted and a vacuum is induced to purge a soil vapor sample. Used tubing is discarded after each sample.



Report Number : 41335

Date : 12/15/2004

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 11 Soil Samples and 2 Water Samples  
Project Name : Schwieckert Property  
Project Number : 948209.07  
P.O. Number : 948209.07

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff





Report Number : 41335

Date : 12/15/2004

Subject : 2 Water Samples and 20 Soil Samples  
Project Name : Schwieckert Property  
Project Number : 948209.07  
P.O. Number : 948209.07

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples B2-5, B2-10, B2-20 and B2-40.

Approved By:

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 41335

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **PZ-1**

Matrix : Water

Lab Number : 41335-02

Sample Date :12/02/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>10000</b>	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	12/10/2004

Sample : **PZ1-50**

Matrix : Soil

Lab Number : 41335-04

Sample Date :12/02/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>1.0</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	98.6		% Recovery	M EPA 8015	12/14/2004

Sample : **PZ1-60**

Matrix : Soil

Lab Number : 41335-06

Sample Date :12/02/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>320</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	114		% Recovery	M EPA 8015	12/14/2004

Approved By:

  
Joe Kiff



Report Number : 41335

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **PZ1-70**

Matrix : Soil

Lab Number : 41335-08

Sample Date :12/02/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>7.0</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	12/14/2004

Sample : **B2-5**

Matrix : Soil

Lab Number : 41335-09

Sample Date :12/02/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.2</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	91.2		% Recovery	M EPA 8015	12/14/2004

Sample : **B2-10**

Matrix : Soil

Lab Number : 41335-10

Sample Date :12/02/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.6</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	96.1		% Recovery	M EPA 8015	12/14/2004

Approved By:

  
Joel Kiff



Report Number : 41335

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-20**

Matrix : Soil

Lab Number : 41335-12

Sample Date :12/02/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>2.3</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	12/14/2004

Sample : **B2-30**

Matrix : Soil

Lab Number : 41335-13

Sample Date :12/02/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>74</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	12/14/2004

Sample : **B-2**

Matrix : Water

Lab Number : 41335-15

Sample Date :12/03/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>7100</b>	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	12/10/2004

Approved By:

  
Joel Kiff



Report Number : 41335

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-40**

Matrix : Soil

Lab Number : 41335-16

Sample Date :12/03/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.4</b>	1.0	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	12/15/2004

Sample : **B2-50**

Matrix : Soil

Lab Number : 41335-18

Sample Date :12/03/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	110		% Recovery	M EPA 8015	12/15/2004

Sample : **B2-60**

Matrix : Soil

Lab Number : 41335-20

Sample Date :12/03/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>60</b>	1.0	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	86.9		% Recovery	M EPA 8015	12/15/2004

Approved By:

  
Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 41335

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-70**

Matrix : Soil

Lab Number : 41335-22

Sample Date :12/03/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>11</b>	<b>2.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>12/15/2004</b>
1-Chlorooctadecane (Diesel Surrogate)	81.4		% Recovery	M EPA 8015	12/15/2004

Approved By:

  
Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 41335

Date : 12/15/2004

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.07**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	99.8		%	M EPA 8015	12/10/2004
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	91.9		%	M EPA 8015	12/14/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff



Report Number : 41335

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/15/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	826	834	ug/L	M EPA 8015	12/14/04	82.6	83.4	0.963	70-130	25
TPH as Diesel	41444-03	22	20.0	20.0	43.0	30.8	mg/Kg	M EPA 8015	12/14/04	103	73.9	32.8	60-140	25

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff



Report Number : 41335

Date : 12/15/2004

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	12/14/04	91.4	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff

Project Contact (Hardcopy or PDF To): **Geoffrey V. Risse** California EDF Report?  Yes  No

Company/Address: **Bettler-Ryan 3140 Gold Camp Dr. Ste 170, Rancho Cordova 95670**  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Phone No.: **(916) 631-1300** FAX No.: **(916) 631-1317**  
 Project Number: **948209.07** P.O. No.: **948209.07**  
 Global ID: \_\_\_\_\_

Project Name: **Schwieckert Property**  
 EDF Deliverable To (Email Address): **grisse@grinc.com**  
 Sampler Signature: *[Signature]*

Project Address: **515 S. Livermore Ave Livermore**

## Chain-of-Custody Record and Analysis Request

### Analysis Request

Sample Designation	Sampling		40 ml VOA	SLEEVE	CONTAINER	Preservative				Matrix		BTEX (821B)	BTEX/TPH Gas/MTBE (8021B/88015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only				
	Date	Time				HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																			
PZ1-40	12/2/04	0909			GAR			X	X	X			X																	
PZ1-41	12/2/04	0953	3			X		X	X	X			X																	
PZ1-45	12/2/04	1015		X				X	X	X			X																	
PZ1-50	12/2/04	1051		X				X	X	X			X																	
PZ1-55	12/2/04	1149		X				X	X	X			X																	
PZ1-60	12/2/04	1200		X				X	X	X			X																	
PZ1-65	12/2/04	1230		X				X	X	X			X																	
PZ1-70	12/2/04	1326		X		GAR		X	X	X			X																	
B2-5	12/2/04	1555		X				X	X	X			X																	
B2-10	12/2/04	1603		X				X	X	X			X																	

Relog for TPH Cleanup or Silica Gel

Relinquished by: *[Signature]* Date: **12/7/04** Time: **1016**  
 Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: **12/07/04** Time: **1016**  
 Received by Laboratory: **Chad Weiss KIFF ANALYTICAL**

Remarks: \_\_\_\_\_  
 B/W to: \_\_\_\_\_



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 41335

Page 2 of 3

Project Contact (Hardcopy or PDF To):  
Geoffrey V. Risse

Company/Address: Geoffrey Ryan  
3147 Gold Camp Rd Ste 170  
Rancho Cordova CA 95670

Phone No.: 916/631-1300 FAX No.: 916/631-1317

Project Number: 948209.04 P.O. No.: 948209.04

Project Name: Schwiebert Property

Project Address: 515 S. Livermore Ave  
Livermore, CA

California EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Global ID: \_\_\_\_\_

EDF Deliverable To (Email Address):  
grisse@gninc.com

Sampler Signature:  
Geoffrey P. Risse

### Chain-of-Custody Record and Analysis Request

#### Analysis Request

Sample Designation	Date	Time	40 ml VOA	Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421239-2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only								
				SLEEVE	PLUG	ICE	NONE	WATER	SOIL	HCl	HNO <sub>3</sub>	ICE	NONE																							
B2-15	12/2/04	1608		X											X																					
B2-20	12/2/04	1617		X										X																						
B2-30	12/2/04	1648		X										X																						
B2-35	12/2/04	1155		X										X																						
B-2	12/3/04	12403								X				X																						
B2-40	12/3/04	1342		X										X																						
B2-45	12/3/04	1400		X										X																						
B2-50	12/3/04	1425		X										X																						
B2-55	12/3/04	1455		X										X																						

Relinquished by: Geoffrey P. Risse Date: 12/7/04 Time: 1016

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: 12/07/04 Time: 1416

Received by: \_\_\_\_\_

Received by: \_\_\_\_\_

Received by Laboratory: Chas Weinkiff ANALYTICAL

Remarks: \_\_\_\_\_

Bill to: \_\_\_\_\_



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 4133

Project Contact (Hardcopy or PDF To):  
*Geoffrey V. Risse*

California EDF Report?  Yes  No

Company/Address:  
*3140 Gold Crest Dr. RAN  
Rancho Cordova 95678*

Phone No.: *916) 631-1300* FAX No.: *(916) 631-1317*

Project Number:  
*948209.04* P.O. No.: *948209.04*

Project Name:  
*Schwieckert Property*

Sample Signature:  
*[Handwritten Signature]*

**Chain-of-Custody Record and Analysis Request**

Recommended but not mandatory to complete this section:  
Sampling Company Log Code: . . . . .

Global ID: . . . . .

EDF Deliverable To (Email Address):

Analysis Request

Analysis Request	TAT
BTEX (8021B)	12 hr/24 hr/48 hr/72 hr/1 wk
BTEX/TPH Gas/MTBE (8021B/M8015)	
TPH as Diesel (M8015)	
TPH as Motor Oil (M8015)	
TPH Gas/BTEX/MTBE (8260B)	
5 Oxygenates/TPH Gas/BTEX (8260B)	
7 Oxygenates/TPH Gas/BTEX (8260B)	
5 Oxygenates (8260B)	
7 Oxygenates (8260B)	
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	
EPA 8260B (Full List)	
Volatile Halocarbons (EPA 8260B)	
Lead (7421/239.2) TOTAL (X) W.E.T. (X)	
	For Lab Use Only

Sample Designation	Sampling		40 ml VOA	SLEEVE	Container	Preservative				Matrix	
	Date	Time				HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL
• 82-60	12/6/04	1513		X				X			X
• 82-65	12/7/04	1538		X				X			X
• 82-70	12/3/04	1615		X				X			X

X - Re-log for TPHd  
 Clean up  
 Hold  
 20  
 21  
 22

Relinquished by: *[Signature]* Date: *12/7/04* Time: *1016* Received by:

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: *12/07/04* Time: *1016* Received by Laboratory: *[Signature]* Bill to: \_\_\_\_\_



Report Number : 41335

Date : 12/23/2004

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 11 Soil Samples and 2 Water Samples  
Project Name : Schwieckert Property  
Project Number : 948209.07  
P.O. Number : 948209.07

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 41335

Date : 12/23/2004

Subject : 2 Water Samples and 20 Soil Samples  
Project Name : Schwieckert Property  
Project Number : 948209.07  
P.O. Number : 948209.07

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples B2-5, B2-10, B2-20 and B2-40.

Approved By:

A handwritten signature in black ink, appearing to read "Joel Kiff". The signature is written in a cursive style with a large, looped initial "J".

Joel Kiff



Report Number : 41335

Date : 12/23/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **PZ-1**

Matrix : Water

Lab Number : 41335-02

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>10000</b>	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	12/10/2004

Sample : **PZ1-50**

Matrix : Soil

Lab Number : 41335-04

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.0</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	98.6		% Recovery	M EPA 8015	12/14/2004

Sample : **PZ1-60**

Matrix : Soil

Lab Number : 41335-06

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>320</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	114		% Recovery	M EPA 8015	12/14/2004

Approved By:

  
Joel Kiff



Report Number : 41335

Date : 12/23/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **PZ1-70**

Matrix : Soil

Lab Number : 41335-08

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>7.0</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
<b>TPH as Diesel (Silica Gel)</b>	<b>7.0</b>	1.0	mg/Kg	M EPA 8015	12/16/2004
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	12/14/2004
1-Chlorooctadecane (Silica Gel Surr)	104		% Recovery	M EPA 8015	12/16/2004

Sample : **B2-5**

Matrix : Soil

Lab Number : 41335-09

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.2</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	91.2		% Recovery	M EPA 8015	12/14/2004

Sample : **B2-10**

Matrix : Soil

Lab Number : 41335-10

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.6</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	96.1		% Recovery	M EPA 8015	12/14/2004

Approved By:

  
Joel Kiff





Report Number : 41335

Date : 12/23/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-20**

Matrix : Soil

Lab Number : 41335-12

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.3</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	12/14/2004

Sample : **B2-30**

Matrix : Soil

Lab Number : 41335-13

Sample Date :12/2/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>74</b>	1.0	mg/Kg	M EPA 8015	12/14/2004
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	12/14/2004

Sample : **B-2**

Matrix : Water

Lab Number : 41335-15

Sample Date :12/3/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>7100</b>	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	12/10/2004

Approved By:

  
Joel Kiff



Report Number : 41335

Date : 12/23/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-40**

Matrix : Soil

Lab Number : 41335-16

Sample Date :12/3/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.4</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	12/15/2004

Sample : **B2-50**

Matrix : Soil

Lab Number : 41335-18

Sample Date :12/3/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	110		% Recovery	M EPA 8015	12/15/2004

Sample : **B2-60**

Matrix : Soil

Lab Number : 41335-20

Sample Date :12/3/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>60</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/15/2004
1-Chlorooctadecane (Diesel Surrogate)	86.9		% Recovery	M EPA 8015	12/15/2004

Approved By:

  
Joel Kiff



Report Number : 41335

Date : 12/23/2004

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Sample : **B2-70**

Matrix : Soil

Lab Number : 41335-22

Sample Date :12/3/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>11</b>	<b>2.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>12/15/2004</b>
<b>TPH as Diesel (Silica Gel)</b>	<b>12</b>	<b>2.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>12/16/2004</b>
1-Chlorooctadecane (Diesel Surrogate)	81.4		% Recovery	M EPA 8015	12/15/2004
1-Chlorooctadecane (Silica Gel Surr)	87.7		% Recovery	M EPA 8015	12/16/2004

Approved By:

Joel Kiff

Report Number: 41335

Date: 12/23/2004

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.07**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/10/2004
Octacosane (Diesel Surrogate)	99.8		%	M EPA 8015	12/10/2004
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/14/2004
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	12/16/2004
1-Chlorooctadecane (Diesel Surrogate)	91.9		%	M EPA 8015	12/14/2004
1-Chlorooctadecane (Silica Gel Surr)	98.4		%	M EPA 8015	12/16/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
------------------	-----------------------	-------------------------------	--------------	------------------------	----------------------

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

Report Number : 41335

Date : 12/23/2004

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Schwieckert Property**

Project Number : **948209.07**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	826	834	ug/L	M EPA 8015	12/14/04	82.6	83.4	0.963	70-130	25
TPH as Diesel	41444-03	22	20.0	20.0	43.0	30.8	mg/Kg	M EPA 8015	12/14/04	103	73.9	32.8	60-140	25

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

Report Number : 41335

Date : 12/23/2004

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Property**


Project Number : **948209.07**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	12/14/04	91.4	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff

Project Contact (Hardcopy or PDF To): Geoffrey D. Risse  
 Company/Address: Bettler-Ryan 3140 Gold Camp Dr, Ste 170, Rancho Cordova 95670  
 Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.07 P.O. No: 948209.07  
 Project Name: Schwieckert Property

California EDF Report?  Yes  No

### Chain-of-Custody Record and Analysis Request

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): grisse@grinc.com  
 Sampler Signature: [Signature]

Project Address: 515 S. Livermore Ave Livermore  

Sample Designation	Sampling		40 ml VOA	SLEEVE	Container				Preservative				Matrix		
	Date	Time			HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL					
PZ1-40	12/2/04	0909													
PZ1-41	12/2/04	0953	3												
PZ1-45	12/2/04	1015		X											
PZ1-50	12/2/04	1051		X											
PZ1-55	12/2/04	1149		X											
PZ1-60	12/2/04	1200		X											
PZ1-65	12/2/04	1230		X											
PZ1-70	12/2/04	1326		X											
BZ-5	12/2/04	1555		X											
BZ-10	12/2/04	1603		X											

Analysis Request												TAT							
BTEX (8021B)	BTEX/TPH Gas (MTBE (8021B/M8015))	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8280B)	5 Oxygenates/TPH Gas/BTEX (8280B)	7 Oxygenates/TPH Gas/BTEX (8280B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Fuji List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)							
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	
		X																	

Relinquished by: <u>[Signature]</u>	Date: <u>12/7/04</u>	Time: <u>1016</u>	Received by: _____	Remarks:
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	
Relinquished by: _____	Date: <u>12/07/04</u>	Time: <u>1016</u>	Received by Laboratory: <u>Chad Weiss Kiff Analytical</u>	Bill to:



2795 2nd Street, Suite 300  
Davis, CA 95616  
Lab: 530.297.4800  
Fax: 530.297.4808

Project Contact (Hardcopy or PDF To): Geoffrey V. Risse  
Company/Address: Getter - Ryan  
3147 Gold Camp Rd Ste 170  
Rancho Cordova 95670  
Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
Project Number: 948209.04 P.O. No.: 948209.04  
California EDF Report?  Yes  No

### Chain-of-Custody Record and Analysis Request

#### Analysis Request

Recommended but not mandatory to complete this section:  
Sampling Company Log Code: \_\_\_\_\_  
Global ID: \_\_\_\_\_  
EDF Deliverable To (Email Address): grissc@grinl.com

Project Name: Schwieckert Property  
Project Address: 515 S. Livermore Ave  
Livermore, CA  
Sampler Signature: Geoffrey V. Risse

Sample Designation	Date	Time	40 ml VOA		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1.2 DCA & 1.2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421239.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only		
			SLEEVE	PLASTIC	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																	
B2-15	12/2/04	1605		X							X	X															
B2-20	12/2/04	1617		X							X	X															
B2-30	12/2/04	1648		X							X	X															
B2-35	12/3/04	1155		X							X	X															
B-2	12/3/04	12403				X		X		X	X	X															
B2-40	12/3/04	1342		X							X	X															
B2-45	12/3/04	1400		X					X		X	X															
B2-50	12/3/04	1425		X							X	X															
B2-55	12/3/04	1455		X					X		X	X															

Relinquished by: Geoffrey V. Risse Date: 12/7/04 Time: 10:16 Received by: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: 12/07/04 Time: 14:16 Received by Laboratory: Chas Weiskiff Analytical Bill to: \_\_\_\_\_



Project Contact (Hardcopy or PDF To): Geoffrey V. Risse  
 Company/Address: 3140 Gold Canyon Rd - Rancho Cordova 95878  
 Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.04 P.O. No.: 948209.04  
 Project Name: Schwieckert Property  
 Project Address: 515 Sr Livermore Livermore CA

California EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_  
 Sample Signature: [Signature]

## Chain-of-Custody Record and Analysis Request

### Analysis Request

Sample Designation	Sampling		Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only		
	Date	Time	40 ml VOA	SLEEVE	ICE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																			
B2-60	12/7/04	1513		X				X						X														X		
B2-65	12/7/04	1539		X				X						X														X	Hold	
B2-70	12/7/04	1615		X				X						X													X			

20  
21  
22

Relinquished by: [Signature] Date: 12/7/04 Time: 1016 Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 12/07/04 Time: 1016 Received by Laboratory: [Signature] Bill to: \_\_\_\_\_

Remarks: \_\_\_\_\_

**GETTLER - RYAN INC.**

3140 GOLD CAMP DRIVE, SUITE 170  
RANCHO CORDOVA, CALIFORNIA 95670  
PHONE: (916) 631-1300  
FAX: (916) 631-1317

✉

To: Caryl Malone	From: Geoffrey Risse
Of Kiff Analytical	Of Gettler-Ryan Inc.
Fax: (530) 297-4808	Pages: Coverpage + 3
Phone: (530) 297-4800x110	Date: 12/15/04
Re: Schwieckert Property Relog	CC:
(Lab No. 41335)	

Urgent   
 For Review   
 Please Comment   
 Please Reply   
 Please Recycle

● Comments:

Caryl,

Please relog samples 41335-08 (PZ1-70) and 41335-22 (B2-70) for TPHd silica gel cleanup (COCs attached). As the holding time for these samples will be up on 12/16/04 and 12/17/04, respectively, I requested a short turnaround time for this analysis, if possible. Please call me to let me know if this can be done.

Thanks,  
Geoff



2700 2nd Street, Suite 300  
 Davis, CA 95816  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 41335 Page 1 of 3

Dec-15-04 10:38am From: Gattler-Ryan Inc +916611317 T-485 P.02/004 F-785

Project Contact (Hardcopy or PDF To): Geoffrey V. Risse  
 California EDF Report?  Yes  No

Company Address: 500 Hwy - Ryan 3140 So W Camp VA Ste 170, Rancho Cordova 95609  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Global ID: \_\_\_\_\_

Project Number: 948209.07 P.O. No.: 948209.07  
 EDF Deliverable To (Email Address): grisse@ggrinc.com

Project Name: Schwieckert Property  
 Sampler Signature: [Signature]

Project Address: 615 S. Livermore Ave Livermore

### Chain-of-Custody Record and Analysis Request

Analysis Request										TAT																		
Sample Designation	Date	Time	40 ml VOA	BLEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	BTX (82218)	BTX/TPH Gas/MTBE (82218/82015)	TPH as Diesel (82015)	TPH as Motor Oil (82015)	TPH Gas/STX/MTBE (82008)	5 Organics/TPH Gas/STX (82008)	7 Organics/TPH Gas/STX (82008)	5 Organics (82002)	7 Organics (82005)	Lead Scav. (1.2 DCA & 1.2 EDB - 82008)	EPA 82008 (Full List)	Volatile Halocarbons (EPA 82008)	Lead (7421/8200.2) TOTAL (X) W.E.T. (X)	12 hr/24 hr/48 hr/72 hr	For Lab Use Only			
PZ1-40	12/2/04	0909																										
PZ1-41	12/2/04	0915	3			X																						
PZ1-45	12/2/04	1015		X																								
PZ1-50	12/2/04	1051		X																								
PZ1-55	12/2/04	1109		X																								
PZ1-60	12/2/04	1200		X																								
PZ1-65	12/2/04	1230		X																								
PZ1-70	12/2/04	1326																										
B2-5	12/2/04	1555		X																								
B2-10	12/2/04	1603		X																								

Relinquished by: [Signature] Date: 12/7/04 Time: 1016  
 Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 12/07/04 Time: 1:14  
 Received by Laboratory: Chad Weiss Kiff Analytical

Remarks: Relog for Silica Gel



2785 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 91335

Page 2 of 3

Project Contact (Hardcopy or PDF To):  
**Geoffrey V. Risse**  
 Company/Address: **Letter-Ryan**  
**3147 Gold Camp Rd Ste 170**  
**Rancho Cordova CA 95670**  
 Phone No.: **916/631-1300** FAX No.: **916/631-1317**  
 Project Number: **948209.04** P.O. No.: **948209.04**  
 Project Name: **Schwiebert Property**

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Project Address:  
**515 S. Livermore Ave**  
**Livermore, CA**

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code:  
 Global ID:  
 EDF Deliverable To (Email Address):  
**grisse@kiffinc.com**  
 Sampler Signature:  
**Geoffrey V. Risse**

**Analysis Request**

Sample Designation	Date	Time	40 ml VOA		Container				Preservative				Matrix		
			SLEEVE	TRAP	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL					
B2-15	12/2/04	1608	X	X											
B2-20	12/2/04	1617	X	X											
B2-30	12/2/04	1648	X	X											
B2-35	12/3/04	1155	X	X											
B-2	12/3/04	12403			X	X				X					
B2-40	12/3/04	1342	X	X											
B2-45	12/3/04	1400	X	X											
B2-50	12/3/04	1425	X	X											
B2-55	12/3/04	1455	X	X											

Analysis Request											TAT	For Lab Use Only	
BTEX (00218)	BTEX/TPH Gas/MTBE (00218/00015)	TPH as Diesel (00015)	TPH as Motor Oil (00015)	TPH Gas/MTBE (00008)	5 Oxygenates/TPH Gas/BTEX (00008)	7 Oxygenates/TPH Gas/BTEX (00008)	5 Oxygenates (00008)	7 Oxygenates (00008)	Lead Surv. (1,2 DCA & 1,2 EDB - 00008)	EPA 8200B (Full Lin)	Volatile Halocarbons (EPA 8200B)		Lead (74712382) TOTAL (X) W.E.T. (0)
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										
		X	X										

Relinquished by: **Geoffrey V. Risse**  
 Date: **12/2/04** Time: **1016**  
 Relinquished by: \_\_\_\_\_  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Date: **12/2/04** Time: **1416**

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by Laboratory: **Chas Wink Kiff Analytical**

Remarks:  
 BBI to:

Dec-15-04 10:39am From:Gottlieb-Ryan Inc +916831317 1-485 P.003/004 F-785



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4600  
 Fax: 530.297.4808

Lab No. 71335

Page 3 of 3

Project Contact (Hardcopy or PDF To):  
Geoffrey V. Risse

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Company Address:  
3140 Gold Coast Dr. #2178  
Rancho Cordova 95827

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

Phone No.: (916) 631-1300 FAX No.: (916) 631-1317

Global ID: . . . . .

Project Number: 948209.04 P.O. No: 948209.04

EDF Deliverable To (Email Address):

Project Name:  
Schwieckert Property

Special Signature:  
Geoffrey V. Risse

Project Address:  
515 Sr Livermore  
Livermore CA

Sampling	Container				Preservative			Matrix	
	40 ml VOA	SLEEVE	PTFE	OTHER	HCl	HNO <sub>3</sub>	ICE	NONE	WATER

Analysis Request										TAT				
BTEX (00218)	BTEX/TPH Gas/MTBE (02218/02015)	TPH as Diesel (06015)	TPH as Motor Oil (06015)	TPH Gas/MTBE/MTBE (02005)	5 Organics/TPH Gas/BTEX (02005)	7 Organics/TPH Gas/BTEX (02005)	5 Organics (02005)	7 Organics (02005)	Lead Bow. (1.2 DCA & 1.2 EDB - 02005)	EPA 8200B (Full List)	Volatile Hydrocarbons (EPA 8200B)	Lead (7421239.2) TOTAL (00 W.E.T. 00)	12/11/24 11/14/24 11/17/24 11/18/24	For Lab Use Only

Sample Designation

- B2-60
- B2-65
- B2-70

Date	Time	40 ml VOA	SLEEVE	PTFE	OTHER	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL
12/10/24	1513		X					X			X
12/10/24	1539		X					X			X
12/10/24	1615		X					X			X

- Relay for Silica Gel  
 CLEAN UP

Relinquished by:  
Geoffrey V. Risse  
 Relinquished by:  
 Relinquished by:

Date: 12/10/24 Time: 1016  
 Received by:  
 Date: Time: Received by:  
 Date: Time: Received by Laboratory:  
Chelina K. R. Risse

Remarks:  
 Bill to:

Dec-15-04 10:40am From: Gattler-Ryan Inc +9166311317 T-485 P.004/004 F-785



Report Number : 41616

Date : 12/29/2004

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 8 Soil Samples and 1 Water Sample  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff". The signature is written in a cursive style with a large, looped initial "J".

Joel Kiff



Report Number : 41616

Date : 12/29/2004

Subject : 1 Water Sample and 13 Soil Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples B3-5, B3-10, B3-30 and B3-40.

Approved By:

A handwritten signature in black ink, appearing to read "Joe Kiff", is written over the printed name "Joe Kiff".

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 41616

Date : 12/29/2004

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **B3-5**

Matrix : Soil

Lab Number : 41616-01

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.9</b>	1.0	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	78.0		% Recovery	M EPA 8015	12/23/2004

Sample : **B3-10**

Matrix : Soil

Lab Number : 41616-02

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.3</b>	1.0	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	77.0		% Recovery	M EPA 8015	12/23/2004

Sample : **B3-20**

Matrix : Soil

Lab Number : 41616-04

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.9</b>	1.0	mg/Kg	M EPA 8015	12/27/2004
1-Chlorooctadecane (Diesel Surrogate)	83.6		% Recovery	M EPA 8015	12/27/2004

Approved By:

  
Joel Kiff





Report Number : 41616

Date : 12/29/2004

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **B3-30**

Matrix : Soil

Lab Number : 41616-06

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.1</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	77.4		% Recovery	M EPA 8015	12/23/2004

Sample : **B3-40**

Matrix : Soil

Lab Number : 41616-08

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.5</b>	<b>1.0</b>	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	71.9		% Recovery	M EPA 8015	12/23/2004

Sample : **B-3**

Matrix : Water

Lab Number : 41616-09

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>370</b>	<b>50</b>	ug/L	M EPA 8015	12/27/2004
Octacosane (Diesel Surrogate)	107		% Recovery	M EPA 8015	12/27/2004

Approved By:

Joe Kiff



Report Number : 41616

Date : 12/29/2004

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **B3-50**

Matrix : Soil

Lab Number : 41616-11

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.4</b>	1.0	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	93.3		% Recovery	M EPA 8015	12/23/2004

Sample : **B3-60**

Matrix : Soil

Lab Number : 41616-13

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>14</b>	1.0	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	93.1		% Recovery	M EPA 8015	12/23/2004

Sample : **B3-65**

Matrix : Soil

Lab Number : 41616-14

Sample Date :12/17/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>81</b>	1.0	mg/Kg	M EPA 8015	12/23/2004
1-Chlorooctadecane (Diesel Surrogate)	93.9		% Recovery	M EPA 8015	12/23/2004

Approved By:

  
Joel Kiff

Report Number : 41616

Date : 12/29/2004

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/22/2004
1-Chlorooctadecane (Diesel Surrogate)	67.1		%	M EPA 8015	12/22/2004
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/27/2004
1-Chlorooctadecane (Diesel Surrogate)	72.5		%	M EPA 8015	12/27/2004
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/27/2004
Octacosane (Diesel Surrogate)	116		%	M EPA 8015	12/27/2004

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
------------------	-----------------------	-------------------------------	--------------	------------------------	----------------------

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  \_\_\_\_\_  
Joel Kiff

Report Number : 41616

Date : 12/29/2004

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	41610-01	<1.0	20.0	20.0	14.4	14.8	mg/Kg	M EPA 8015	12/22/04	71.9	73.9	2.74	60-140	25
TPH as Diesel	41616-04	3.5	20.0	20.0	18.3	18.9	mg/Kg	M EPA 8015	12/27/04	78.0	80.3	2.95	60-140	25
TPH as Diesel	Blank	<50	1000	1000	993	1020	ug/L	M EPA 8015	12/27/04	99.3	102	3.10	70-130	25



Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 41616

Date : 12/29/2004

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Property**


Project Number : **948209.04**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	12/22/04	73.1	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	12/27/04	75.3	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff

Project Contact (Hardcopy or PDF To):  
**Geoffrey D. Risse**  
 Company/Address:  
**Gottler-Ryan 3140 Gold Camp Dr Ste 170 Rancho Cordova 95670**  
 Phone No.: **(916) 631-1300** FAX No.: **(916) 631-1317**  
 Project Number: **948209.04** P.O. No.: **948209.04**  
 Project Name:  
**Schwiedert Property**

California EDF Report?  Yes  No  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address):  
**grisse@grinc.com**  
 Sampler Signature:  
**Geoffrey D. Risse**

## Chain-of-Custody Record and Analysis Request

Project Address:  
**515 S. Livermore Ave., Livermore, CA**

Sample Designation	Date	Time	Sampling				Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/MB015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only
			40 ml VOA	SLEEVE			HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																			

B3-5	12/17/04	0840	X																										X	01
B3-10	12/17/04	0948	X																										X	02
B3-15	12/17/04	0852	X																										HOLD	03
B3-20	12/17/04	0901	X																										X	04
B3-25	12/17/04	0912	X																										HOLD	05
B3-30	12/17/04	0908	X																										X	06
B3-35	12/17/04	0916	X																										HOLD	07
B3-40	12/17/04	1002	X																										X	08
B-3	12/17/04	1030	3					X		X				X															X	09
B3-45	12/17/04	1200	X					X		X				X															HOLD	10

Relinquished by: **Geoffrey D. Risse** Date: **12/20/04** Time: **1010** Received by: **ODR**  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: **12/20/04** Time: **1010** Received by Laboratory: **Jeffrey D. Hanks** KIFF ANALYTICAL LLC

Remarks: \_\_\_\_\_  
 Bill to: \_\_\_\_\_



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 411616 Page 2 of 2

Project Contact (Hardcopy or PDF To):  
Geoffrey V. Riess  
 California EDF Report?  Yes  No

Company/Address:  
Geoffrey Riess 3140 Gold Canyon Dr Ste 170 Rancho Cordova CA 95770  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

Phone No.: 916 631-1300 FAX No.: 916 631-1317 Global ID: . . . . .

Project Number: 948209.04 P.O. No.: 948209.04 EDF Deliverable To (Email Address):

Project Name: Sampler Signature:

**Chain-of-Custody Record and Analysis Request**

**Analysis Request**

Project Address:	Sampling		Container		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/86015)	TPH as Diesel (86015)	TPH as Motor Oil (86015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only	
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																
<b>Sample Designation</b>																										
- B3-50	12/17/03	1207	X				X					X											X			
- B3-55	12/17/03	1225	X				X					X											X			
- B3-60	12/17/03	1248	X				X					X											X			
- B3-65	12/17/03	1357	X				X					X											X			

Relinquished by: [Signature] Date: 12/20/04 Time: 1010 Received by: \_\_\_\_\_ Remarks:

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: 12/20/04 Time: 1010 Received by Laboratory: [Signature] Bill to: \_\_\_\_\_

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 16 Soil Samples and 2 Water Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff





Report Number : 41985

Date : 1/25/2005

Subject : 2 Water Samples and 27 Soil Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples PZ2-10, PZ2-20, PZ2-60, PZ2-70, PZ3-5, PZ3-10, PZ3-20, PZ3-30, PZ3-40, PZ3-50, PZ3-60 and PZ3-70. There are discrete peaks which may or may not be petroleum related.

Approved By:

A handwritten signature in black ink, appearing to read "Jde Kiff", is written over the printed name "Jde Kiff".

Jde Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ2-5**

Matrix : Soil

Lab Number : 41985-01

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	1/20/2005
1-Chlorooctadecane (Diesel Surrogate)	89.2		% Recovery	M EPA 8015	1/20/2005

Sample : **PZ2-10**

Matrix : Soil

Lab Number : 41985-02

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	5.6	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ2-20**

Matrix : Soil

Lab Number : 41985-04

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	2.4	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	112		% Recovery	M EPA 8015	1/21/2005

Approved By:

  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ2-30**

Matrix : Soil

Lab Number : 41985-06

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	89.0		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ2-40**

Matrix : Soil

Lab Number : 41985-08

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	82.7		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ2-50**

Matrix : Soil

Lab Number : 41985-09

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	1/22/2005
1-Chlorooctadecane (Diesel Surrogate)	83.4		% Recovery	M EPA 8015	1/22/2005

Approved By:

  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ2-60**

Matrix : Soil

Lab Number : 41985-11

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.0</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ2-70**

Matrix : Soil

Lab Number : 41985-13

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>3.9</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ-2**

Matrix : Water

Lab Number : 41985-14

Sample Date :1/13/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>220</b>	50	ug/L	M EPA 8015	1/20/2005
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	1/20/2005

Approved By:

  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ3-5**

Matrix : Soil

Lab Number : 41985-15

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>5.2</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ3-10**

Matrix : Soil

Lab Number : 41985-16

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>4.5</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	108		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ3-20**

Matrix : Soil

Lab Number : 41985-18

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.2</b>	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	1/21/2005

Approved By:

  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ3-30**

Matrix : Soil

Lab Number : 41985-20

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	2.4	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ3-40**

Matrix : Soil

Lab Number : 41985-22

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	1.3	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ-3**

Matrix : Water

Lab Number : 41985-23

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/20/2005
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	1/20/2005

Approved By:

  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ3-50**

Matrix : Soil

Lab Number : 41985-25

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	1.5	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	109		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ3-60**

Matrix : Soil

Lab Number : 41985-27

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	4.4	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	108		% Recovery	M EPA 8015	1/21/2005

Sample : **PZ3-70**

Matrix : Soil

Lab Number : 41985-29

Sample Date :1/14/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	1.2	1.0	mg/Kg	M EPA 8015	1/21/2005
1-Chlorooctadecane (Diesel Surrogate)	113		% Recovery	M EPA 8015	1/21/2005

Approved By:

  
Joel Kiff

Report Number : 41985

Date : 1/25/2005

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	1/20/2005
1-Chlorooctadecane (Diesel Surrogate)	91.2		%	M EPA 8015	1/20/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/19/2005
Octacosane (Diesel Surrogate)	98.4		%	M EPA 8015	1/19/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 41985

Date : 1/25/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	41985-01	<1.0	20.0	20.0	17.0	17.6	mg/Kg	M EPA 8015	1/20/05	84.9	88.2	3.80	60-140	25
TPH as Diesel	Blank	<50	1000	1000	918	974	ug/L	M EPA 8015	1/19/05	91.8	97.4	5.91	70-130	25

Approved By:  \_\_\_\_\_  
Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 41985

Date : 1/25/2005

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Property**


Project Number : **948209.04**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/20/05	98.4	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
\_\_\_\_\_  
Joel Kiff

Project Contact (Hardcopy or PDF To): Geoffrey V. Risse  
 Company/Address: Getter-Ryan Inc  
3140 Gold Camp Rd Ste 170  
Rancho Cordova 95670  
 Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.04 P.O. No.: 948209.04  
 Project Name: Schwieckert Property  
 Project Address: 515 S. Livermore Ave  
Livermore, CA

California EDF Report?  Yes  No  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_  
 Sampler Signature: Geoffrey V. Risse

## Chain-of-Custody Record and Analysis Request

### Analysis Request

	TAT	For Lab Use Only
BTEX (8021B)		
BTEX/TPH Gas/MTBE (8021B/8015)		
TPH as Diesel (M8015)		
TPH as Motor Oil (M8015)		
TPH Gas/BTEX/MTBE (8260B)		
5 Oxygenates/TPH Gas/BTEX (8260B)		
7 Oxygenates/TPH Gas/BTEX (8260B)		
5 Oxygenates (8260B)		
7 Oxygenates (8260B)		
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)		
EPA 8260B (Full List)		
Volatile Halocarbons (EPA 8260B)		
Lead (7421/239.2) TOTAL (X) W.E.T. (X)		
<u>HOLD</u>		

Sample Designation	Date	Time	Sampling				Container				Preservative				Matrix	
			40 ml VOA	SLEEVE			HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL				
PZ2-5	1/13/05	822	X									X			X	
PZ2-10	1/13/05	828	X									X			X	
PZ2-15	1/13/05	834	X									X			X	
PZ2-20	1/13/05	840	X									X			X	
PZ2-25	1/13/05	900	X									X			X	
PZ2-30	1/13/05	911	X									X			X	
PZ2-35	1/13/05	925	X									X			X	
PZ2-40	1/13/05	1006	X									X			X	
PZ2-50	1/13/05	1122	X									X			X	
PZ2-55	1/13/05	1148	X									X			X	

Relinquished by: <u>Geoffrey V. Risse</u>	Date: <u>1/17/05</u>	Time: <u>1545</u>	Received by: _____
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: <u>011705</u>	Time: <u>1545</u>	Received by Laboratory: <u>K. [Signature] KIFF Analytical</u>

Remarks:

Bill to:



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 411985 Page 2 of 3

Project Contact (Hardcopy or PDF To):  
Geoffrey J. Risse  
 Company/Address:  
3140 Goliadale Dr, Suite 170  
Rancho Cordova CA 95670  
 Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.04 P.O. No.: 948209.04

California EDF Report?  Yes  No

### Chain-of-Custody Record and Analysis Request

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_  
 Sampler Signature:  
Geoffrey J. Risse

Project Name:  
Schwiebert Property  
 Project Address:  
515 S. Livermore  
Livermore, CA

Sample Designation	Sampling		Container				Preservative				Matrix		Analysis Request													TAT																
	60R Date	Time	40 ml VOA	SLEEVE			HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8016)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X) W.E.T. (X)			12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only												
- PZ2-60	1/13/05	1247	X						X			X																														
- PZ2-65	1/13/05	1404	X									X																														
- PZ2-70	1/13/05	1456	X									X																														
- PZ-2	1/13/05	10303								X		X																														
- PZ3-5	1/14/05	0806	X									X																														
- PZ3-10	1/14/05	0808	X									X																														
- PZ3-15	1/14/05	0813	X									X																														
- PZ3-20	1/14/05	0820	X									X																														
- PZ3-25	1/14/05	0835	X									X																														
- PZ3-30	1/14/05	0851	X									X																														

Relinquished by: <u>Geoffrey J. Risse</u>	Date: <u>1/17/05</u>	Time: <u>15:45</u>	Received by: _____	Remarks:
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	
Relinquished by: _____	Date: <u>01/17/05</u>	Time: <u>1545</u>	Received by Laboratory: <u>Rancho Risse Kiff Analytical</u>	

Project Contact (Hardcopy or PDF To):  
Geoffrey V. Risse

Company/Address: Geoffrey Ryan  
3140 Gold Canyon Ave 170  
Rancho Cordova CA 95670

Phone No.: (916)631-1300 FAX No.: (916)631-1317

Project Number: 948209.04 P.O. No.: 948209.04

Project Name: Schwieckert Property

California EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Global ID: \_\_\_\_\_

EDF Deliverable To (Email Address): \_\_\_\_\_

Sampler Signature: Geoffrey V. Risse

## Chain-of-Custody Record and Analysis Request

### Analysis Request

Sample Designation	Date	Time	40 ml VOA	SLEEVE	Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	12 hr/24 hr/48 hr/72 hr (wk)	For Lab Use Only		
					HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																		
P23-35	1/14/05	0917		X																								
P23-40	1/14/05	0934		X																								21
P2-3	1/14/05	1000	3																									22
P23-45	1/14/05	1017		X																								23
P23-50	1/14/05	1045		X																								24
P23-55	1/14/05	1115		X																								25
P23-60	1/14/05	1145		X																								26
P23-65	1/14/05	1251		X																								27
P23-70	1/14/05	1329		X																								28
																												29

**HOLD**

Project Address: 515 S. Livermore  
Livermore, CA

Retinquished by: Geoffrey V. Risse Date: 1/17/05 Time: 1545 Received by: \_\_\_\_\_

Retinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Retinquished by: \_\_\_\_\_ Date: 011705 Time: 1545 Received by Laboratory: K-A Kiff Analytical

Remarks: \_\_\_\_\_

Bill to: \_\_\_\_\_



Report Number : 42009

Date : 01/26/2005

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 13 Soil Samples and 2 Water Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 42009

Date : 01/26/2005

Subject : 2 Water Samples and 25 Soil Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples PZ-4, PZ4-60, PZ-5 and PZ5-60.

Approved By:

A handwritten signature in black ink, appearing to read "Jde Kiff". The signature is written in a cursive style with a large, looped initial "J".

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Jde Kiff



Report Number : 42009

Date : 01/26/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ4-10**

Matrix : Soil

Lab Number : 42009-02

Sample Date :01/17/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/22/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	84.3		% Recovery	M EPA 8015	01/22/2005

Sample : **PZ4-20**

Matrix : Soil

Lab Number : 42009-04

Sample Date :01/17/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/22/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	87.4		% Recovery	M EPA 8015	01/22/2005

Sample : **PZ4-30**

Matrix : Soil

Lab Number : 42009-06

Sample Date :01/17/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/22/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	82.6		% Recovery	M EPA 8015	01/22/2005

Approved By:

  
Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800





Report Number : 42009

Date : 01/26/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ4-40**

Matrix : Soil

Lab Number : 42009-08

Sample Date :01/17/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	01/22/2005
1-Chlorooctadecane (Diesel Surrogate)	91.7		% Recovery	M EPA 8015	01/22/2005

Sample : **PZ-4**

Matrix : Water

Lab Number : 42009-09

Sample Date :01/17/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>79</b>	50	ug/L	M EPA 8015	01/21/2005
Octacosane (Diesel Surrogate)	130		% Recovery	M EPA 8015	01/21/2005

Sample : **PZ4-50**

Matrix : Soil

Lab Number : 42009-10

Sample Date :01/17/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	01/22/2005
1-Chlorooctadecane (Diesel Surrogate)	85.7		% Recovery	M EPA 8015	01/22/2005

Approved By:

  
Joel Kiff



Report Number : 42009

Date : 01/26/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ4-60**

Matrix : Soil

Lab Number : 42009-12

Sample Date :01/17/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>1.4</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/23/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	87.1		% Recovery	M EPA 8015	01/23/2005

Sample : **PZ4-70**

Matrix : Soil

Lab Number : 42009-14

Sample Date :01/17/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/23/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	90.4		% Recovery	M EPA 8015	01/23/2005

Sample : **PZ5-10**

Matrix : Soil

Lab Number : 42009-16

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/23/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	85.5		% Recovery	M EPA 8015	01/23/2005

Approved By:

  
Joel Kiff



Report Number : 42009

Date : 01/26/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ5-20**

Matrix : Soil

Lab Number : 42009-18

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	01/23/2005
1-Chlorooctadecane (Diesel Surrogate)	86.9		% Recovery	M EPA 8015	01/23/2005

Sample : **PZ5-30**

Matrix : Soil

Lab Number : 42009-20

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	01/23/2005
1-Chlorooctadecane (Diesel Surrogate)	85.1		% Recovery	M EPA 8015	01/23/2005

Sample : **PZ5-40**

Matrix : Soil

Lab Number : 42009-22

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	1.0	mg/Kg	M EPA 8015	01/24/2005
1-Chlorooctadecane (Diesel Surrogate)	79.8		% Recovery	M EPA 8015	01/24/2005

Approved By:

  
Joel Kiff



Report Number : 42009

Date : 01/26/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ-5**

Matrix : Water

Lab Number : 42009-23

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>69</b>	<b>50</b>	<b>ug/L</b>	<b>M EPA 8015</b>	<b>01/21/2005</b>
<b>Octacosane (Diesel Surrogate)</b>	<b>107</b>		<b>% Recovery</b>	<b>M EPA 8015</b>	<b>01/21/2005</b>

Sample : **PZ5-50**

Matrix : Soil

Lab Number : 42009-25

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/24/2005</b>
<b>1-Chlorooctadecane (Diesel Surrogate)</b>	<b>87.0</b>		<b>% Recovery</b>	<b>M EPA 8015</b>	<b>01/24/2005</b>

Sample : **PZ5-60**

Matrix : Soil

Lab Number : 42009-27

Sample Date :01/18/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>1.3</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>01/24/2005</b>
<b>1-Chlorooctadecane (Diesel Surrogate)</b>	<b>85.8</b>		<b>% Recovery</b>	<b>M EPA 8015</b>	<b>01/24/2005</b>

Approved By:

  
Joel Kiff

Report Number: 42009

Date: 01/26/2005

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/21/2005
1-Chlorooctadecane (Diesel Surrogate)	88.3		%	M EPA 8015	01/21/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	01/20/2005
Octacosane (Diesel Surrogate)	100		%	M EPA 8015	01/20/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff



Report Number : 42009


Date : 01/26/2005

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	42009-02	<1.0	20.0	20.0	19.4	18.8	mg/Kg	M EPA 8015	1/22/05	96.8	94.3	2.72	60-140	25
TPH as Diesel	Blank	<50	1000	1000	817	910	ug/L	M EPA 8015	1/20/05	81.7	91.0	10.7	70-130	25

Approved By:  Joe Kiff

Report Number : 42009

Date : 01/26/2005

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Property**


Project Number : **948209.04**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/21/05	94.2	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
\_\_\_\_\_  
Joel Kiff



25 2nd Street, Suite 300  
 Livermore, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 42009

Page 1 of 3

Project Contact (Hardcopy or PDF To):  
Geoffrey P. Risse  
 Company/Address: Geoffrey Ryan  
7170 Goldcamp Dr Ste 170  
Rancho Cordova CA 95670  
 Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.04 P.O. No.: 948209.04

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Project Name: Schwieckert Property Sampler Signature: Geoffrey P. Risse

Project Address: 515 S. Livermore  
Livermore, CA

**Analysis Request**

Analysis Request	TAT	
BTEX (8021B)	12 hr/24 hr/48 hr/72 hr/6 wk	
BTEX/TPH Gas/MTBE (8021B/M8016)		
TPH as Diesel (M8015)		
TPH as Motor Oil (M8015)		
TPH Gas/BTEX/MTBE (8260B)		
5 Oxygenates/TPH Gas/BTEX (8260B)		
7 Oxygenates/TPH Gas/BTEX (8260B)		
5 Oxygenates (8260B)		
7 Oxygenates (8260B)		
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)		
EPA 8260B (Full List)	HOLD	
Volatile Hydrocarbons (EPA 8260B)		
Lead (7421/239.2) TOTAL (X) W.E.T. (X)	For Lab Use Only	
Sample Designation		
P24-5		01
P24-10		02
P24-15		03
P24-20		04
P24-25		05
P24-30		06
P24-35		07
P24-40		08
P2-4	09	
P24-50	10	

Sample Designation	Date	Time	Container		Preservative				Matrix	
			40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL
P24-5	1/17/05	0818	X				X			X
P24-10	1/17/05	0825	X				X			X
P24-15	1/17/05	0832	X				X			X
P24-20	1/17/05	0840	X				X			X
P24-25	1/17/05	0851	X				X			X
P24-30	1/17/05	0907	X				X			X
P24-35	1/17/05	0921	X				X			X
P24-40	1/17/05	0941	X				X			X
P2-4	1/17/05	1005	3		X	X		X		
P24-50	1/17/05	1051	X				X			X

Relinquished by: <u>Geoffrey P. Risse</u>	Date: <u>1/17/05</u>	Time: <u>10:26</u>	Received by: _____	Remarks:
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	
Relinquished by: _____	Date: <u>1-19-05</u>	Time: <u>12:36</u>	Received by Laboratory: <u>Chauhan KIFF Analytical</u>	
Bill to:				





2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 72009

Page 2 of 3

Project Contact (Hardcopy or PDF To):  
Geoffrey V. Risse

California EDF Report?  Yes  No

Company/Address:  
Gettler-Ryan Inc  
3140 Gold Camp Dr Ste 170  
Rancho Cordova 95670

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

Phone No.: 1916)631-1300 FAX No.: (916)631-1317 Global ID: . . . . .

Project Number: 448209.04 P.O. No.: 948209.04 EDF Deliverable To (Email Address): . . . . .

Project Name: Schwiebert Property Sampler Signature: Geoffrey V. Risse

**Chain-of-Custody Record and Analysis Request**

**Analysis Request**

Sample Designation	Sampling		Container		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/230.2)	TOTAL (X) W.E.T. (X)	TAT	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only		
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																			
P24-55	1/17/05	1116	X				X			X																			
P24-60	1/17/05	1150	X				X			X																			11
P24-65	1/17/05	1322	X				X			X																			12
P24-70	1/17/05	1358	X				X			X																			13
P25-5	1/18/05	0833	X				X			X																			14
P25-10	1/18/05	0837	X				X			X																			15
P25-15	1/18/05	0843	X				X			X																			16
P25-20	1/18/05	0850	X				X			X																			17
P25-25	1/18/05	0859	X				X			X																			18
P25-30	1/18/05	0910	X				X			X																			19
																													20

Relinquished by: Geoffrey V. Risse Date: 1/19/05 Time: 1236 Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: 01/19/05 Time: 1236 Received by Laboratory: Chashwin KIFFANALYTICAL Bill to: \_\_\_\_\_

Project Contact (Hardcopy or PDF To): Geoffrey D. Risse  
 California EDF Report?  Yes  No

Company/Address: Getter-Ryan Inc  
3140 Gold Camp Dr Ste 178  
Rancho Cordova CA 95670  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Global ID: \_\_\_\_\_

Project Number: 948209.04 P.O. No.: 948209.04  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Name: Schwiebert Property  
 Sampler Signature: Geoffrey D. Risse

Project Address: 515 S. Livermore Ave  
Livermore, CA  
 Sampling Container Preservative Matrix

## Chain-of-Custody Record and Analysis Request

### Analysis Request

Analysis Request	TAT
BTEX (8021B)	12 hr/24 hr/48 hr/72 hr/1 wk For Lab Use Only
BTEX/TPH Gas/MTBE (8021B/M8015)	
TPH as Diesel (M8015)	
TPH as Motor Oil (M8015)	
TPH Gas/BTEX/MTBE (8260B)	
5 Oxygenates/TPH Gas/BTEX (8260B)	
7 Oxygenates/TPH Gas/BTEX (8260B)	
5 Oxygenates (8260B)	
7 Oxygenates (8260B)	
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	
EPA 8260B (Full List)	
Volatile Halocarbons (EPA 8260B)	
Lead (7421/239.2) TOTAL (X) W.E.T. (X)	
<u>HOLD</u>	

Sample Designation	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL
PZ5-35	1/18/05	0922		X			X			X
PZ5-40	1/18/05	0946		X			X			X
PZ-5	1/18/05	1000		X	X	X			X	X
PZ5-45	1/19/05	1022		X			X			X
PZ5-50	1/19/05	1031		X			X			X
PZ5-55	1/18/05	1108		X			X			X
PZ5-60	1/18/05	1200		X			X			X

Relinquished by: Geoffrey D. Risse Date: 1/19/05 Time: 1236  
 Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: 01/17/05 Time: 1336  
 Received by Laboratory: Chas Weinst KIFF Analytical  
 Bill to: \_\_\_\_\_

Remarks: \_\_\_\_\_  
 Bill to: \_\_\_\_\_



Report Number : 42074

Date : 1/31/2005

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 7 Soil Samples and 1 Water Sample  
Project Name : Schwieckert Residence  
Project Number : 948209.04  
P.O. Number : 948209.04

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Jbel Kiff".

Jbel Kiff



Report Number : 42074

Date : 1/31/2005

Subject : 1 Water Sample and 12 Soil Samples  
Project Name : Schwieckert Residence  
Project Number : 948209.04  
P.O. Number : 948209.04

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples PZ6-10, PZ6-20, PZ6-30, PZ6-50, PZ6-60 and PZ6-65.

Approved By:

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over the printed name "Joel Kiff". The signature is stylized and cursive.

Joel Kiff



Report Number : 42074

Date : 1/31/2005

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

Sample : **PZ6-10**

Matrix : Soil

Lab Number : 42074-02

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>2.9</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>1/27/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	114		% Recovery	M EPA 8015	1/27/2005

Sample : **PZ6-20**

Matrix : Soil

Lab Number : 42074-04

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.5</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>1/27/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	124		% Recovery	M EPA 8015	1/27/2005

Sample : **PZ6-30**

Matrix : Soil

Lab Number : 42074-06

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.5</b>	<b>1.0</b>	<b>mg/Kg</b>	<b>M EPA 8015</b>	<b>1/27/2005</b>
1-Chlorooctadecane (Diesel Surrogate)	118		% Recovery	M EPA 8015	1/27/2005

Approved By:

  
Joel Kiff



Report Number : 42074

Date : 1/31/2005

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

Sample : **PZ6-40**

Matrix : Soil

Lab Number : 42074-08

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	1/28/2005
1-Chlorooctadecane (Diesel Surrogate)	118		% Recovery	M EPA 8015	1/28/2005

Sample : **PZ-6**

Matrix : Water

Lab Number : 42074-09

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/29/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	1/29/2005

Sample : **PZ6-50**

Matrix : Soil

Lab Number : 42074-10

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	1.2	1.0	mg/Kg	M EPA 8015	1/27/2005
1-Chlorooctadecane (Diesel Surrogate)	118		% Recovery	M EPA 8015	1/27/2005

Approved By:

  
Joel Kiff



Report Number : 42074

Date : 1/31/2005

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

Sample : **PZ6-60**

Matrix : Soil

Lab Number : 42074-12

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.9</b>	1.0	mg/Kg	M EPA 8015	1/28/2005
1-Chlorooctadecane (Diesel Surrogate)	118		% Recovery	M EPA 8015	1/28/2005

Sample : **PZ6-65**

Matrix : Soil

Lab Number : 42074-13

Sample Date :1/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>TPH as Diesel</b>	<b>1.9</b>	1.0	mg/Kg	M EPA 8015	1/28/2005
1-Chlorooctadecane (Diesel Surrogate)	115		% Recovery	M EPA 8015	1/28/2005

Approved By:

  
Joel Kiff

Report Number : 42074

Date : 1/31/2005

**QC Report : Method Blank Data**

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	1/27/2005
1-Chlorooctadecane (Diesel Surrogate)	112		%	M EPA 8015	1/27/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/28/2005
Octacosane (Diesel Surrogate)	101		%	M EPA 8015	1/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff





Report Number : 42074


Date : 1/31/2005

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	42074-02	2.9	20.0	20.0	22.4	22.7	mg/Kg	M EPA 8015	1/27/05	98.0	99.2	1.30	60-140	25
TPH as Diesel	Blank	<50	1000	1000	1020	1020	ug/L	M EPA 8015	1/28/05	102	102	0.264	70-130	25

Approved By:  \_\_\_\_\_  
Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 42074

Date : 1/31/2005

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Schwieckert Residence**

Project Number : **948209.04**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/27/05	106	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
\_\_\_\_\_  
Joel Kiff



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 42074

Page 1 of 2

Project Contact: (Hardcopy or PDF To):  
Geoffrey D. Risse

Company/Address: GETTER-RYAN  
340 Gold Camp Dr 540170  
Rancho Cordova CA 95670

Phone No.: (916) 631-1300 FAX No.: (916) 631-1317

Project Number: 948209.04 P.O. No.: 948209.04

California EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Global ID: \_\_\_\_\_

EDF Deliverable To (Email Address): \_\_\_\_\_

### Chain-of-Custody Record and Analysis Request

#### Analysis Request

Project Name: Schwieckert Residence

Project Address: 595 S. Livermore Ave  
Livermore, CA

Sampler Signature: Geoffrey D. Risse

Sample Designation	Date	Time	Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/238.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only			
			40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																				
PZ6-5	1/24/05	0841	X				X																							
PZ6-10	1/24/05	0846	X				X																							
PZ6-15	1/24/05	0855	X				X																							
PZ6-20	1/24/05	0905	X				X																							
PZ6-25	1/24/05	0916	X				X																							
PZ6-30	1/24/05	0924	X				X																							
PZ6-35	1/24/05	0952	X				X																							
PZ6-40	1/24/05	1019	X				X																							
PZ-6	1/24/05	1103				X	X			X																				
PZ6-50	1/24/05	1216	X				X																							

Sampler Signature: \_\_\_\_\_

Analysis Request	TAT	For Lab Use Only
BTEX (8021B)		
BTEX/TPH Gas/MTBE (8021B/M8015)		
TPH as Diesel (M8015)		
TPH as Motor Oil (M8015)		
TPH Gas/BTEX/MTBE (8260B)		
5 Oxygenates/TPH Gas/BTEX (8260B)		
7 Oxygenates/TPH Gas/BTEX (8260B)		
5 Oxygenates (8260B)		
7 Oxygenates (8260B)		
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)		
EPA 8260B (Full List)		
Volatile Halocarbons (EPA 8260B)		
Lead (7421/238.2) TOTAL (X) W.E.T. (X)		
<b>HOLD</b>		
12 hr / 24 hr / 48 hr / 72 hr / 1 wk		

Relinquished by: <u>[Signature]</u>	Date: <u>1/25/05</u>	Time: <u>1108</u>	Received by: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: <u>01-25-05</u>	Time: <u>1108</u>	Received by Laboratory: <u>Chas Wain KIFF ANALYTICAL</u>

Remarks: \_\_\_\_\_

Bill to: \_\_\_\_\_

Project Contact (Hardcopy or PDF To): Geoffrey D. Risse  
 California EDF Report?  Yes  No

Company/Address: Geoffrey Ryan  
3140 Gold Camp Dr. Ste 1170  
Rancho Conejo 95670  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Phone No.: (916) 631-1300 FAX No.: (916) 631-1317  
 Project Number: 948209.04 P.O. No.: 948209.04  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Name: Schwieckert Property  
 Project Address: 515 S. Livermore  
 Livermore, CA  
 Sampler Signature: Geoffrey D. Risse

## Chain-of-Custody Record and Analysis Request

### Analysis Request

Sample Designation	Sampling		Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.I.E.T. (X)	TAT	12 hr/24 hr/48 hr/72 hr/ (wk)	For Lab Use Only						
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																								
• PZ6-55	1/24/05	1240	X																															
• PZ6-60	1/24/05	1310	X					X	X					X	X									X										
• PZ6-65	1/24/05	1349	X					X	X					X	X								X											

Relinquished by: <u>Geoffrey D. Risse</u>	Date: <u>1/25/05</u>	Time: <u>1109</u>	Received by: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: <u>2-5-05</u>	Time: <u>1108</u>	Received by Laboratory: <u>KIFF ANALYTICAL</u>

Remarks: \_\_\_\_\_

Bill to: \_\_\_\_\_



Report Number : 42120

Date : 02/02/2005

Geoffrey Risse  
Gettler-Ryan Inc.  
3140 Gold Camp Dr. Suite 170  
Rancho Cordova, CA 95670

Subject : 6 Water Samples  
Project Name : Schwieckert Property  
Project Number : 948209.04  
P.O. Number : 948209.04

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Report Number : 42120

Date : 02/02/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ-1**

Matrix : Water

Lab Number : 42120-01

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>1800</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	01/29/2005

Sample : **PZ-2**

Matrix : Water

Lab Number : 42120-02

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>93</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	01/29/2005

Sample : **PZ-3**

Matrix : Water

Lab Number : 42120-03

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>83</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	01/29/2005

Approved By:

  
Joel Kiff



Report Number : 42120

Date : 02/02/2005

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Sample : **PZ-4**

Matrix : Water

Lab Number : 42120-04

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>76</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	01/29/2005

Sample : **PZ-5**

Matrix : Water

Lab Number : 42120-05

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>210</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	01/29/2005

Sample : **PZ-6**

Matrix : Water

Lab Number : 42120-06

Sample Date :01/28/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
<b>TPH as Diesel</b>	<b>250</b>	<b>50</b>	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	103		% Recovery	M EPA 8015	01/29/2005

Approved By:

  
Joel Kiff

Report Number : 42120

Date : 02/02/2005

**QC Report : Method Blank Data**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 50	50	ug/L	M EPA 8015	01/29/2005
Octacosane (Diesel Surrogate)	96.4		%	M EPA 8015	01/29/2005

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

Joel Kiff





Report Number : 42120

Date : 02/02/2005

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Schwieckert Property**

Project Number : **948209.04**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	761	854	ug/L	M EPA 8015	1/29/05	76.1	85.4	11.5	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



2795 2nd Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 42120 Page 1 of 1

Project Contact (Hardcopy or PDF To):  
**Geoffrey D. Risse**

Company/Address: **Goffier-Ryan Inc**  
**3140 Gold Camp Dr. Ste. 130**  
**Rancho Cordova 95670**

Phone No.: **(916) 631-1300** FAX No.: **(916) 631-1317**

Project Number: **948209,04** P.O. No.: **948209,04**

Project Name: **Schwieckert Property**

Project Address: **515 S. Livermore Ave**  
**Livermore, CA**

California EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

Global ID: . . . . .

EDF Deliverable To (Email Address): . . . . .

Sampler Signature: *[Signature]*

**Chain-of-Custody Record and Analysis Request**

Analysis Request												TAT	For Lab Use Only	
BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8016)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Hydrocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)		12 hr/24 hr/48 hr/72 hr/1 wk
		X											X	01
		X											X	02
		X											X	03
		X											X	04
		X											X	05
		X											X	06

Relinquished by: <i>[Signature]</i>	Date: <b>1/28/05</b>	Time: <b>1546</b>	Received by: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: <b>012805</b>	Time: <b>1546</b>	Received by Laboratory: <i>[Signature]</i> <b>KIEF Analytical</b>

Remarks: \_\_\_\_\_

Bill to: \_\_\_\_\_