



LEGEND



SUBJECT PROPERTY LINE		FORMER DISPENSER ISLAND	
HYDRAULIC LIFT		FORMER HYDRAULIC LIFT	
HAZ MAT STORAGE AREA		OIL/WATER SEPARATOR	
FORMER GAS STATION CANOPY		KNOWN FORMER UST	

SITE MAP

5800 Northgate Mall
San Rafael, California 94903

FIGURE 2a
Job No: 284110



Appendix C:
Photographs



1. North-facing view of the Macy's retail building.

2. North-facing view of the west side of the subject property.



3. View of the north-facing elevation of the former Mervyn's retail store.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

Job No: 284110





4. View of the south-facing elevation of the former Mervyn's retail store.

5. View of the subject property parking structure.



6. View of the west-facing elevation of the Sear's retail store.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

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7. View of the south-facing elevation of the Sear's administrative building.

8. View of the south-facing elevation of the Sear's retail store.



9. View of the north-facing elevation of the Sear's automotive center.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

Job No: 284110





10. View of the east-facing elevation of the Northgate Mall.

11. View of the east-facing elevation of the Northgate Mall.



12. View of the north-facing elevation of the Rite Aid.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

Job No: 284110





13. View of the south-facing elevation of the Rite Aid.

14. South-facing view of the western construction area.



15. View of the entrance/interior of the former Mervyn's retail store.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

Job No: 284110

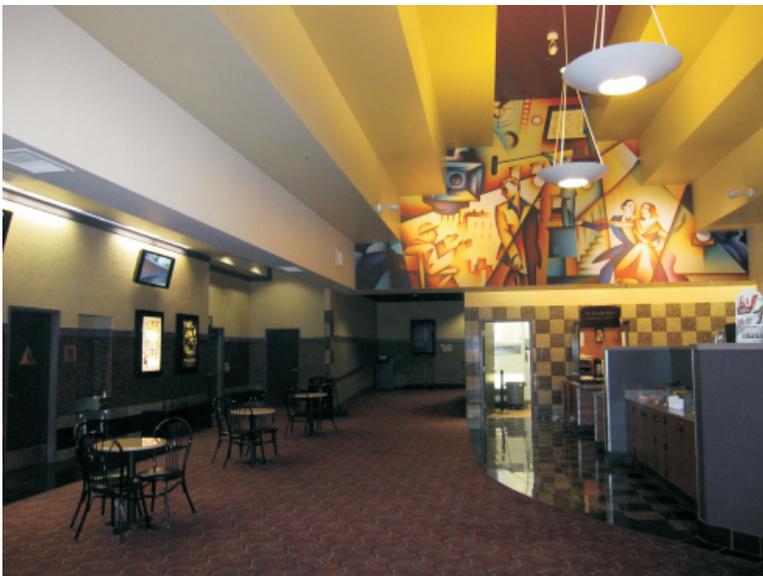




16. Interior view of the subject property Rite Aid.



17. Interior view of the subject property Sears.



18. Interior view of the subject property movie theater lobby.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

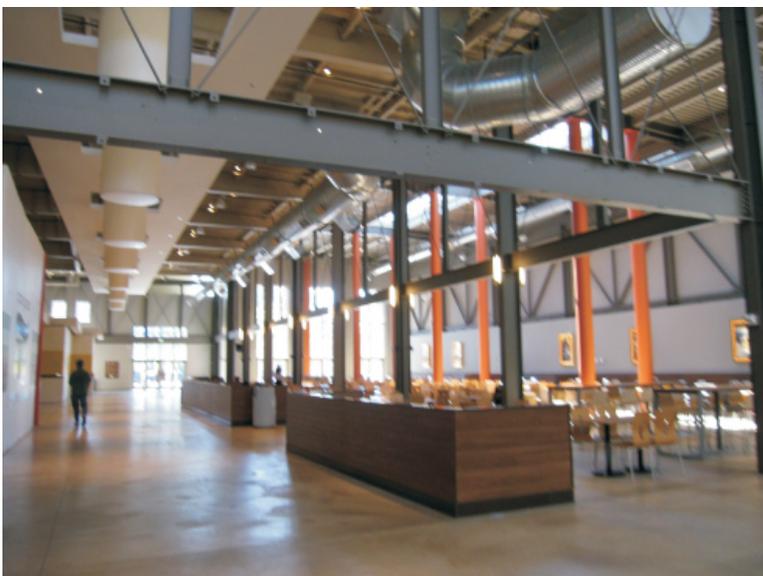
Job No: 284110





19. Interior view of the western construction area.

20. Interior view of the main Northgate Mall building.



21. Interior view of the subject property food court.

PROPERTY PHOTOGRAPHS

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San Rafael, California 94903

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22. Interior view of a Northgate Mall main building restroom.

23. Interior view of the Sears Automotive Center.



24. View of the Sear's Automotive Center hazardous material storage area.

PROPERTY PHOTOGRAPHS

5800 Northgate Mall
San Rafael, California 94903

Job No: 284110





25. View of minor staining around hazardous materials.

26. Adjacent to the north beyond Las Gallinas Avenue, a 76-Station.



27. Adjacent to the north beyond Las Gallinas Avenue, a Vallerio gas station.

PROPERTY PHOTOGRAPHS

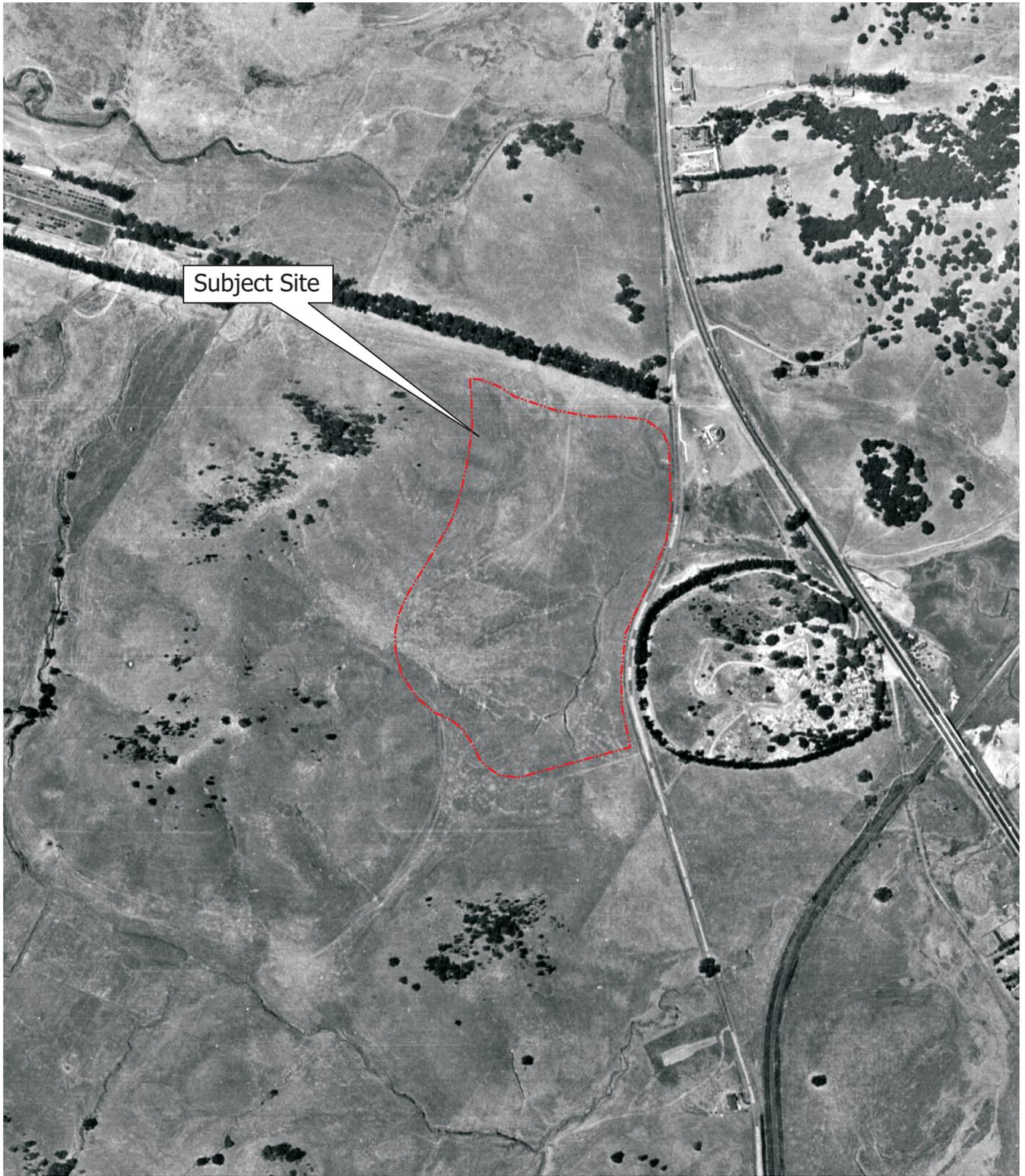
5800 Northgate Mall
San Rafael, California 94903

Job No: 284110



Appendix D:

Historical Research Documentation



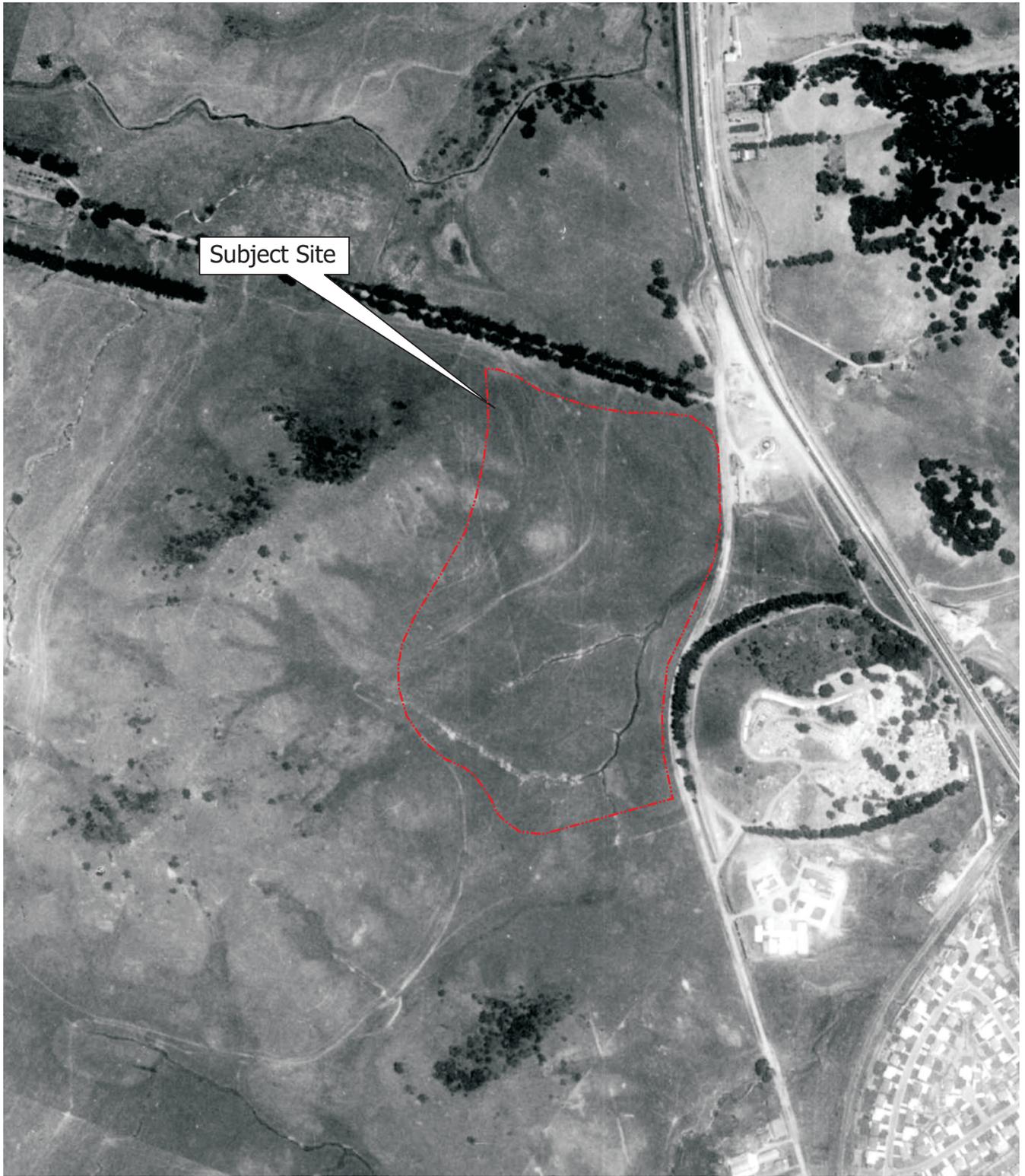
Source: Jack Ammann
Year: 1946

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





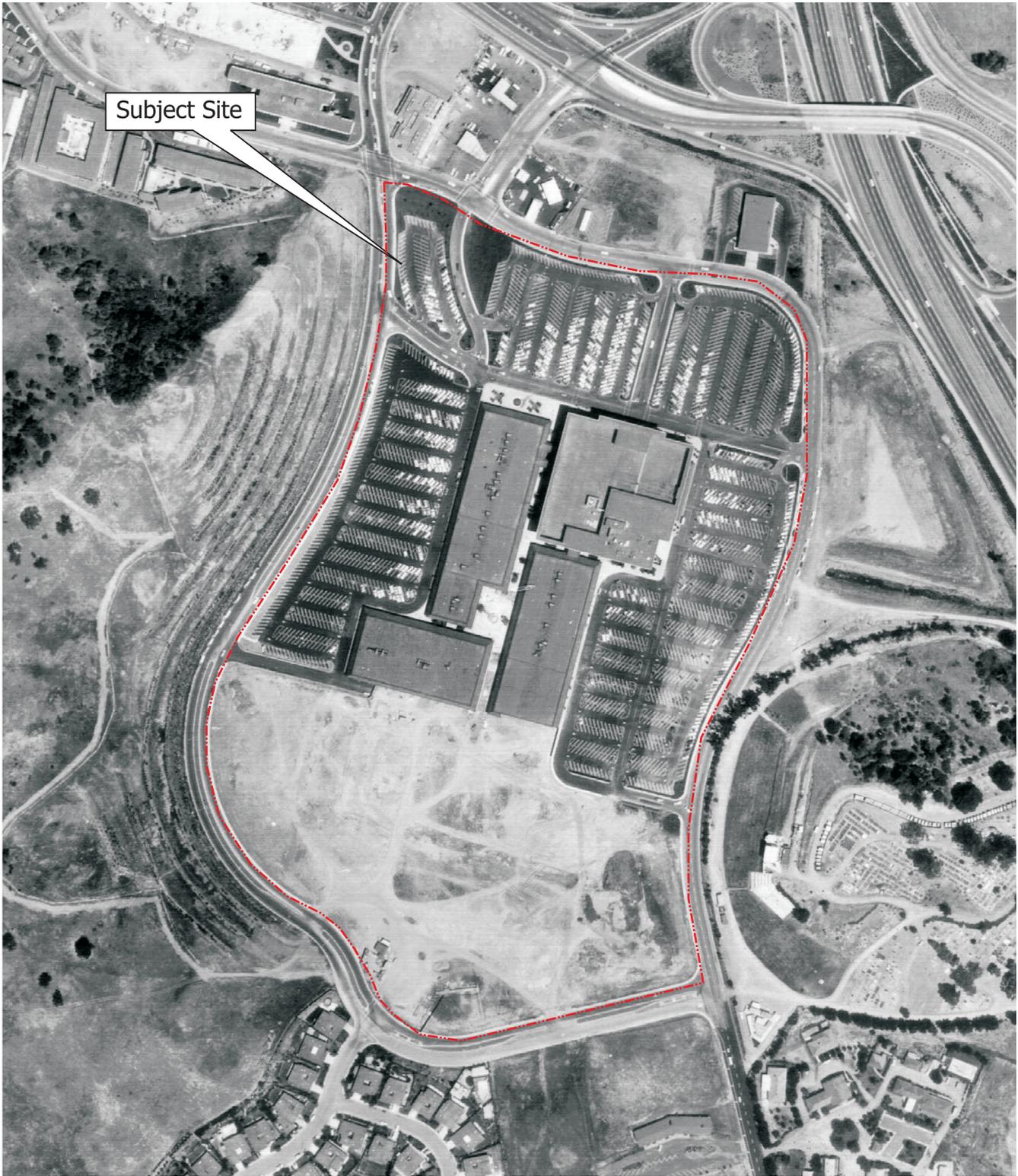
Source: Pacific Aerial Surveys
Year: 1953

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Source: Cartwright
Year: 1965

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Subject Site



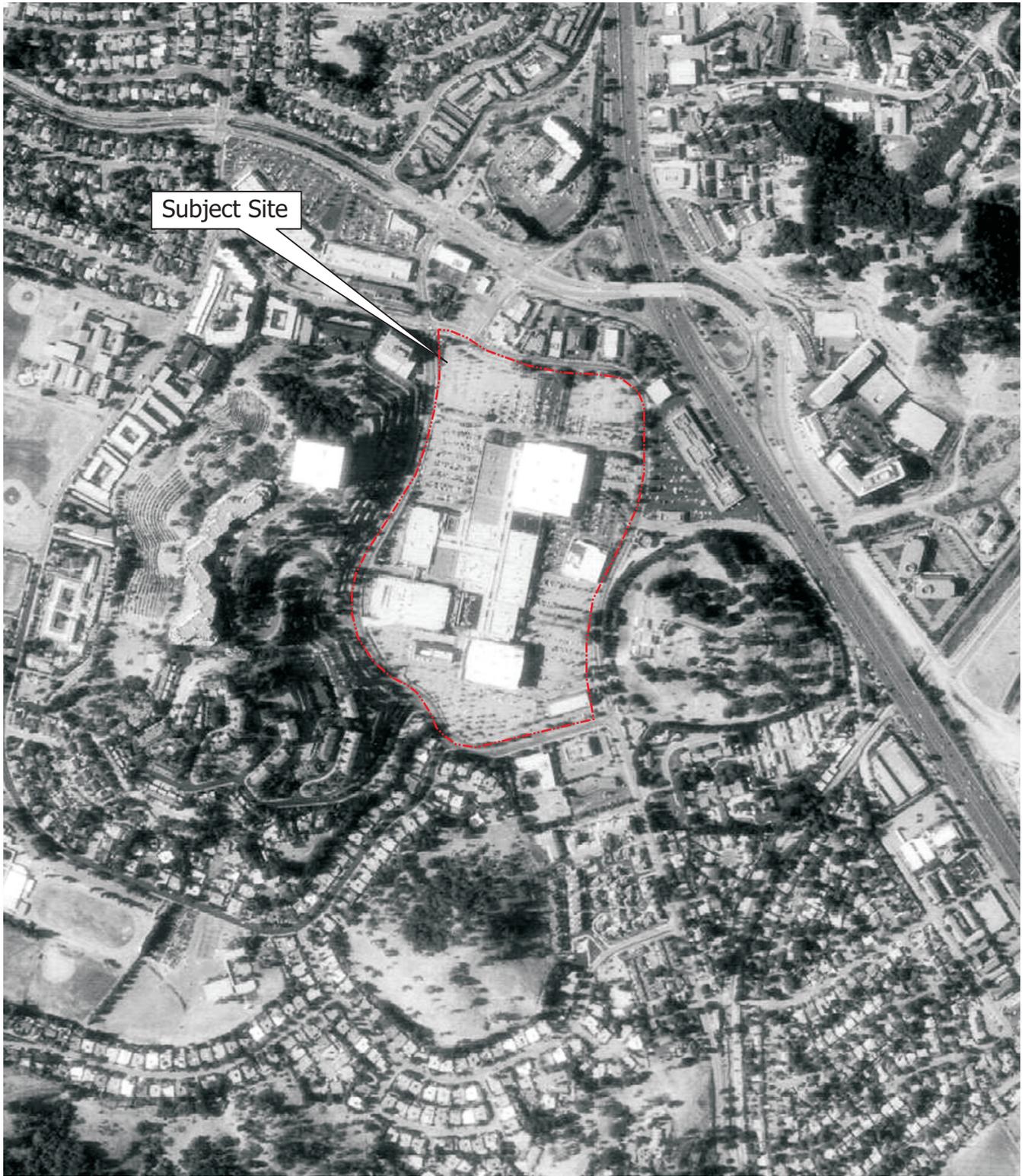
Source: USGS
Year: 1982

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Subject Site

N



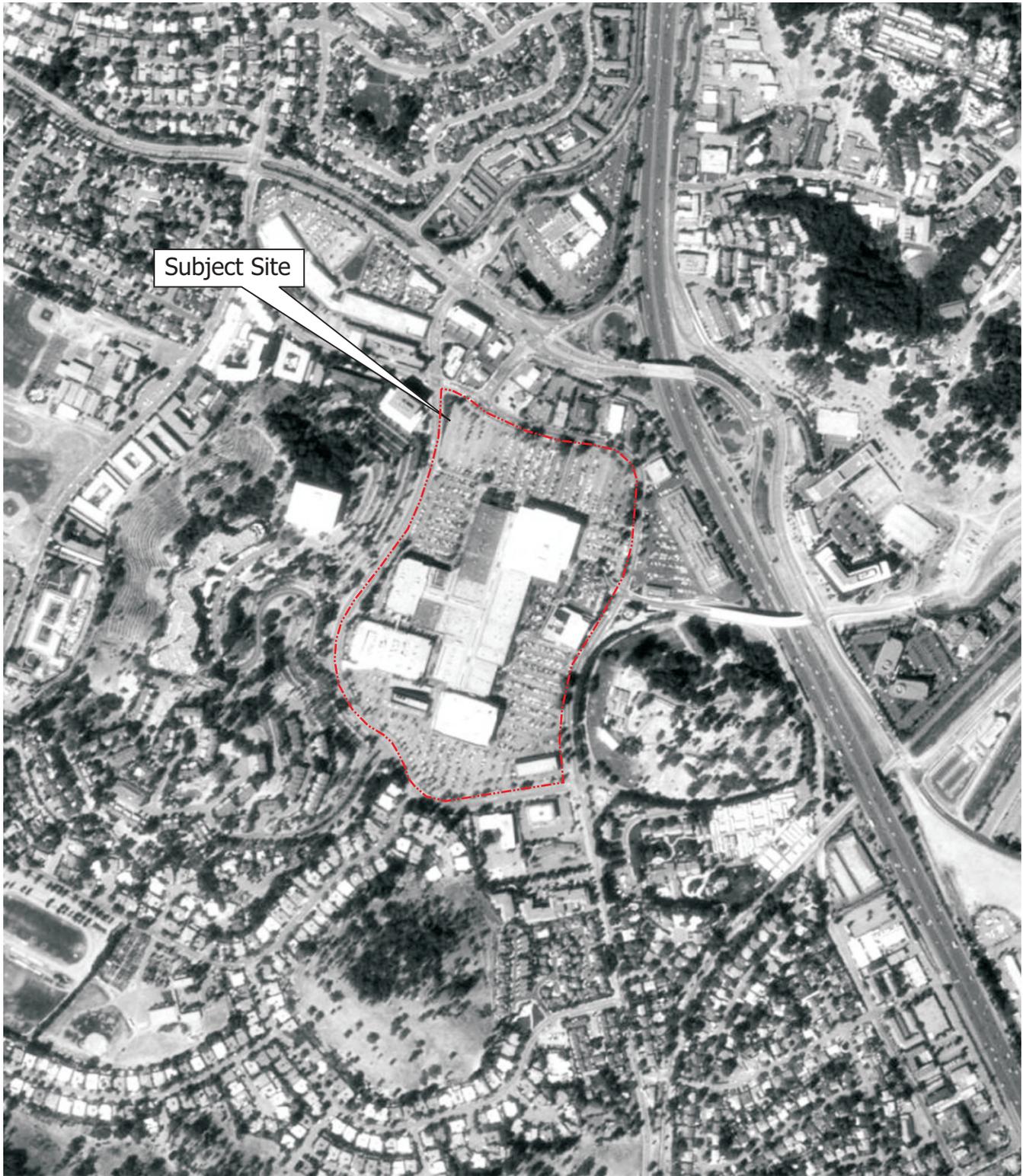
Source: USGS
Year: 1993

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Subject Site



Source: USGS
Year: 1998

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Subject Site

N



Source: EDR
Year: 2005

AERIAL PHOTOGRAPH

5800 Northgate Mall
San Rafael, California 94903

FIGURE 3
Job No: 284110





Northgate Mall

5800 Northgate Mall

San Rafael, CA 94903

Inquiry Number: 2528764.3

June 26, 2009



Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/26/09

Site Name:

Northgate Mall
5800 Northgate Mall
San Rafael, CA 94903

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597



EDR Inquiry # 2528764.3

Contact: Deborah Snell

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by AEI Consultants were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Northgate Mall
Address: 5800 Northgate Mall
City, State, Zip: San Rafael, CA 94903
Cross Street:
P.O. # WCPC1649
Project: 284110
Certification # 4E32-48B4-9816



Sanborn® Library search results
Certification # 4E32-48B4-9816

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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Appendix E:

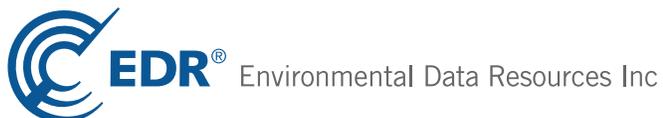
Regulatory Records Documentation

Northgate Mall

5800 Northgate Mall
San Rafael, CA 94903

Inquiry Number: 2528764.2s
June 29, 2009

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5800 NORTHGATE MALL
SAN RAFAEL, CA 94903

COORDINATES

Latitude (North): 38.005200 - 38° 0' 18.7"
Longitude (West): 122.544000 - 122° 32' 38.4"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 540033.9
UTM Y (Meters): 4206284.5
Elevation: 37 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38122-A5 NOVATO, CA
Most Recent Revision: 1980

South Map: 37122-H5 SAN RAFAEL, CA
Most Recent Revision: 1999

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET CHMIRS NPDES	CAD981422736
WALDEN BOOK CO 5800 NORTHGATE DR SPACE 83 SAN RAFAEL, CA 94903	HAZNET	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

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

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

State and tribal leaking storage tank lists

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act

EXECUTIVE SUMMARY

FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA WDS.....	Waste Discharge System
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
WIP.....	Well Investigation Program Case List
EML.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FAIRCHILD CAMERA & INSTRUMENT</i>	<i>4300 REDWOOD HWY</i>	<i>NNE 1/2 - 1 (0.521 mi.)</i>	<i>H55</i>	<i>92</i>

EXECUTIVE SUMMARY

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-TSDF site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FAIRCHILD CAMERA & INSTRUMENT	4300 REDWOOD HWY	NNE 1/2 - 1 (0.521 mi.)	H55	92

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 11/12/2008 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EXXON CO. USA. # 77067	930 DEL PRESIDIO BLVD.	NNE 0 - 1/8 (0.018 mi.)	D16	36

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL SERVICE STATION #4774	929 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.024 mi.)	D27	47

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

A review of the RCRA-SQG list, as provided by EDR, and dated 11/12/2008 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEARS	9000 NORTHGATE	0 - 1/8 (0.000 mi.)	B4	13
SEARS ROEBUCK AND CO 8108	8108 NORTHGATE MALL	0 - 1/8 (0.000 mi.)	B8	18
EXPRESSLY PORTRAITS INC	5600 NORTHGATE MALL	0 - 1/8 (0.000 mi.)	A12	25
VALERO REFINING CO CAL NO 7706	930 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.018 mi.)	D14	30

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RITE AID NO 5958	1500 NORTHGATE MALL	0 - 1/8 (0.000 mi.)	9	20

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KERNS AND WALKER CLEANERS	412 LAS GALLINAS AVENUE	ESE 0 - 1/8 (0.005 mi.)	13	26
CHEVRON STATION NO 93553	949 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.039 mi.)	D36	57
PAUL O SATHER RADIOLOGY OFFICE	750 LAS GALLINAS NO 101	NNW 1/8 - 1/4 (0.227 mi.)	48	68

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/27/2009 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SCR-FAIRCHILD-4300 REDWOOD Status: Refer: RWQCB	4300 REDWOOD	NNE 1/2 - 1 (0.521 mi.)	H54	91
FAIRCHILD CAMERA & INSTRUMENT Status: * Inactive	4300 REDWOOD HWY	NNE 1/2 - 1 (0.521 mi.)	H55	92
MARINE CORPS RESERVE TRAINING Status: Refer: Other Agency	153 MADISON AVE.	ESE 1/2 - 1 (0.833 mi.)	57	100

State and tribal leaking storage tank lists

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 04/08/2009 has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER EXXON 7-7067 Status: Open - Verification Monitoring	930 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.018 mi.)	D15	31
CONOCOPHILLIPS Status: Open - Site Assessment	921 DEL PRESIDIO	NNE 0 - 1/8 (0.019 mi.)	D20	40
ART'S AUTO CARE Status: Open - Verification Monitoring	1005 NORTHGATE DR	N 0 - 1/8 (0.116 mi.)	F42	60
KAISER PERMANENTE MEDICAL CENT Status: Completed - Case Closed	99 MONTECILLO ROAD	WNW 1/4 - 1/2 (0.380 mi.)	G50	74

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL Status: Completed - Case Closed	929 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.024 mi.)	D25	44

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL Status: Open - Site Assessment	950 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.027 mi.)	D31	50
CHEVRON Status: Open - Site Assessment	949 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.039 mi.)	D35	54
PACIFIC BELL Status: Completed - Case Closed	7 PROFESSIONAL CENTER P	NNE 1/4 - 1/2 (0.254 mi.)	49	70
MARIN COUNTY CIVIC CENTER Status: Completed - Case Closed Status: Completed - Case Closed	3501 CIVIC CENTER DR	ESE 1/4 - 1/2 (0.414 mi.)	52	85
TESTA PLUMBING Status: Completed - Case Closed	4244 REDWOOD HWY	NNE 1/4 - 1/2 (0.458 mi.)	53	89

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 04/08/2009 has revealed that there are 13 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NORTHGATE VALERO	930 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.018 mi.)	D17	37
EXXON STATION #7-7067	930 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.018 mi.)	D18	38
EXXON STATION #7-7067	930 DEL PRESIDIO BLVD.	NNE 0 - 1/8 (0.018 mi.)	D19	39
TERRA LINDA CAR WASH	921 DEL PRESIDIO BLVD.	NNE 0 - 1/8 (0.019 mi.)	D21	40
TERRA LINDA 76 CAR WASH #25477	921 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.019 mi.)	D22	40
VILLA MARIN HOMEOWNERS ASSOCIA	100 THORNDALE DRIVE	WNW 0 - 1/8 (0.079 mi.)	39	59
HERB'S POOL SERVICE, INC	3769 REDWOOD HIGHWAY	NE 0 - 1/8 (0.114 mi.)	E41	60
GATEWAY GAS	1005 NORTHGATE DRIVE	N 0 - 1/8 (0.116 mi.)	F45	64
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUIDE DOGS FOR THE BLIND	350 LOS RANCHITOS	0 - 1/8 (0.000 mi.)	C10	22
NORTHGATE SHELL	950 DEL PRESIDIO	NNE 0 - 1/8 (0.027 mi.)	D30	50
NORTHGATE SHELL #136047	950 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.027 mi.)	D32	52
CHEVRON STATIONS, INC 93553	949 DEL PRESIDIO BOULEV	NNE 0 - 1/8 (0.039 mi.)	D34	53
CHEVRON STATION #93553	949 DEL PRESIDIO BLVD.	NNE 0 - 1/8 (0.039 mi.)	D38	59

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 11/01/2007 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JIFFY LUBE #1590	9000 NORTHGATE MALL	0 - 1/8 (0.000 mi.)	B6	17

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 6 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER EXXON 7-7067</i>	<i>930 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.018 mi.)</i>	<i>D15</i>	<i>31</i>
<i>ARTS AUTO CARE</i>	<i>1005 NORTHGATE DR</i>	<i>N 0 - 1/8 (0.116 mi.)</i>	<i>F46</i>	<i>65</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GUIDE DOGS FOR THE BLIND, INC.</i>	<i>350 LOS RANCHITOS RD</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>C7</i>	<i>17</i>
<i>UNION OIL SS# 4774</i>	<i>929 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.024 mi.)</i>	<i>D23</i>	<i>41</i>
<i>NORTHGATE SHELL</i>	<i>950 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.027 mi.)</i>	<i>D28</i>	<i>48</i>
<i>93553 CHEVRON</i>	<i>949 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.039 mi.)</i>	<i>D37</i>	<i>58</i>

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 11 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SEARS AUTO CENTER</i>	<i>9000 NORTHGATE MALL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>B3</i>	<i>11</i>
<i>FORMER EXXON 7-7067</i>	<i>930 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.018 mi.)</i>	<i>D15</i>	<i>31</i>
<i>NTRON ELECTRONICS</i>	<i>3833 REDWOOD HWY</i>	<i>NE 0 - 1/8 (0.112 mi.)</i>	<i>E40</i>	<i>59</i>
<i>ART'S TEXACO</i>	<i>1005 NORTHGATE DR</i>	<i>N 0 - 1/8 (0.116 mi.)</i>	<i>F43</i>	<i>61</i>
<i>TEXACO</i>	<i>1005 NORTHGATE DR</i>	<i>N 0 - 1/8 (0.116 mi.)</i>	<i>F44</i>	<i>62</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GUIDE DOGS FOR THE BLIND, INC.</i>	<i>350 LOS RANCHITOS RD</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>C5</i>	<i>16</i>
<i>GOODYEAR TIRE & RUBBER CO.</i>	<i>496 LAS GALLINAS AVE</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>11</i>	<i>24</i>
<i>UNION OIL SS# 4774</i>	<i>929 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.024 mi.)</i>	<i>D24</i>	<i>42</i>
<i>UNION OIL SS#4774</i>	<i>929 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.024 mi.)</i>	<i>D26</i>	<i>46</i>
<i>WILLIAM BAUGH/NORTHGATE SHELL</i>	<i>950 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.027 mi.)</i>	<i>D29</i>	<i>49</i>
<i>93553</i>	<i>949 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.039 mi.)</i>	<i>D33</i>	<i>53</i>

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER EXXON 7-7067</i>	<i>930 DEL PRESIDIO BLVD</i>	<i>NNE 0 - 1/8 (0.018 mi.)</i>	<i>D15</i>	<i>31</i>

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARTS AUTO CARE	1005 NORTHGATE DR	N 0 - 1/8 (0.116 mi.)	F46	65
CHEVRON	100 MARIN	NNE 1/8 - 1/4 (0.173 mi.)	47	67

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUIDE DOGS FOR THE BLIND, INC.	350 LOS RANCHITOS RD	0 - 1/8 (0.000 mi.)	C7	17
UNION OIL SS# 4774	929 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.024 mi.)	D23	41
NORTHGATE SHELL	950 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.027 mi.)	D28	48
CHEVRON	949 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.039 mi.)	D35	54

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 8 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER EXXON 7-7067	930 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.018 mi.)	D15	31
ART'S AUTO CARE	1005 NORTHGATE DR	N 0 - 1/8 (0.116 mi.)	F42	60
KAISER MEDICAL CENTER	99 MONTECILLO	WNW 1/4 - 1/2 (0.380 mi.)	G51	85

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL	929 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.024 mi.)	D25	44
SHELL	950 DEL PRESIDIO BLVD	NNE 0 - 1/8 (0.027 mi.)	D31	50
PACIFIC BELL	7 PROFESSIONAL CENTER P	NNE 1/4 - 1/2 (0.254 mi.)	49	70
MARIN COUNTY CIVIC CENTER	3501 CIVIC CENTER DR	ESE 1/4 - 1/2 (0.414 mi.)	52	85
TESTA PLUMBING	4244 REDWOOD HWY	NNE 1/4 - 1/2 (0.458 mi.)	53	89

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, and dated 10/21/1993 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARINE CORPS RESERVE CENTER	153 MADISON AVE	ESE 1/2 - 1 (0.747 mi.)	56	99
RICH ELECTRIC	110 CARLOS DR	NNE 1/2 - 1 (0.872 mi.)	58	101

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

A review of the DRYCLEANERS list, as provided by EDR, and dated 05/06/2009 has revealed that there

EXECUTIVE SUMMARY

are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SEARS ROEBUCK AND CO 8108</i>	<i>8108 NORTHGATE MALL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>B8</i>	<i>18</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KERNS AND WALKER CLEANERS</i>	<i>412 LAS GALLINAS AVENUE</i>	<i>ESE 0 - 1/8 (0.005 mi.)</i>	<i>13</i>	<i>26</i>

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
US 101 EST BLYTHEDALE EXIT	CHMIRS, SLIC
MARIN SANITARY SERVICE TYPE A INER	SWF/LF
CHINA CAMP STATE PARK	UST
CHINA CAMP	UST
MARIN MUNI WTR MILLER CREEK TK	RCRA-SQG, FINDS

OVERVIEW MAP - 2528764.2s



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Power transmission lines

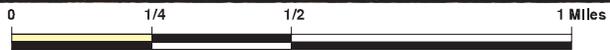
 Oil & Gas pipelines

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 Areas of Concern



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

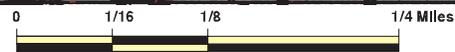
SITE NAME: Northgate Mall
 ADDRESS: 5800 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0052 / 122.5440

CLIENT: AEI Consultants
 CONTACT: Deborah Snell
 INQUIRY #: 2528764.2s
 DATE: June 29, 2009 8:23 am

DETAIL MAP - 2528764.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



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

SITE NAME: Northgate Mall
 ADDRESS: 5800 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0052 / 122.5440

CLIENT: AEI Consultants
 CONTACT: Deborah Snell
 INQUIRY #: 2528764.2s
 DATE: June 29, 2009 8:24 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
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		1.000	0	0	0	1	NR	1
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	2	0	NR	NR	NR	2
RCRA-SQG	X	0.250	7	1	NR	NR	NR	8
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE		1.000	0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR		1.000	0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	6	0	4	NR	NR	10
SLIC		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0

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
State and tribal registered storage tank lists								
UST		0.250	13	0	NR	NR	NR	13
AST		0.250	1	0	NR	NR	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST		0.250	6	0	NR	NR	NR	6
HIST UST		0.250	11	0	NR	NR	NR	11
SWEEPS UST		0.250	6	1	NR	NR	NR	7
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		TP	NR	NR	NR	NR	NR	0

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
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
NPDES	X	TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE		0.500	4	0	4	NR	NR	8
Notify 65		1.000	0	0	0	2	NR	2
DRYCLEANERS		0.250	2	0	NR	NR	NR	2
WIP		0.250	0	0	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **NORTHGATE MALL**
Target **5800 NORTHGATE MALL**
Property **SAN RAFAEL, CA 94901**

RCRA-SQG **1000409456**
FINDS **CAD981422736**
HAZNET
CHMIRS
NPDES

Site 1 of 3 in cluster A

Actual:
37 ft.

RCRA-SQG:

Date form received by agency: 07/05/1991
Facility name: NORTHGATE MALL
Facility address: 5800 NORTHGATE MALL
 SAN RAFAEL, CA 94901

EPA ID: CAD981422736
Mailing address: NORTHGATE MALL
 SAN RAFAEL, CA 94901

Contact: APTAKER ROBERT
Contact address: 5800 NORTHGATE MALL
 SAN RAFAEL, CA 94901

Contact country: US
Contact telephone: (805) 650-0589
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MACERICH
Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002700701

California - Hazardous Waste Tracking System - Datamart

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

HAZNET:

Gepaid: CAD981422736
Contact: NORTHGATE MALL ASSOCIATES
Telephone: 3103946911
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2172
Mailing City,St,Zip: SANTA MONICA, CA 904070000
Gen County: Marin
TSD EPA ID: CAD981388952
TSD County: Shasta
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 4.2140
Facility County: Marin

Gepaid: CAD981422736
Contact: NORTHGATE MALL ASSOCIATES
Telephone: 3103946911
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2172
Mailing City,St,Zip: SANTA MONICA, CA 904070000
Gen County: Marin
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Unspecified organic liquid mixture
Disposal Method: Disposal, Other
Tons: .0750
Facility County: Marin

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

CHMIRS:
OES Incident Number: 97-4590
OES notification: 11/19/199701:45:50 AM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1997
Agency: PG&E
Incident Date: 11/18/199712:00:00 AM
Admin Agency: San Rafael Fire Department
Amount: Not reported
Contained: Yes
Site Type: Utilities/Substation
E Date: Not reported
Substance: Transformer oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE MALL (Continued)

1000409456

Quantity Released: Not reported
BBLS: 0
Cups: 0
CUFT: 0
Gallons: 125
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Subsurface transformer failes, oil contained in vault.

NPDES:

Npdes Number: Not reported
Facility Status: Active
Agency Id: 463202
Region: 2
Regulatory Measure Id: 344708
Order No: Not reported
Order No Of General Order: Not reported
Regulatory Measure Type: Storm water construction
Place Id: 716895
WDID: 2 21C351950
Program Type: CONSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 5/27/2008 1:33:07 PM
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Macerich
Discharge Address: Not reported
Discharge Address2: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported

A2
Target
Property

WALDEN BOOK CO
5800 NORTHGATE DR SPACE 83
SAN RAFAEL, CA 94903

HAZNET **S103994880**
N/A

Site 2 of 3 in cluster A

Actual:
37 ft.

HAZNET:
Gepaid: CAC001309496
Contact: WALDEN BOOK CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 996
Mailing City,St,Zip: ANN ARBOR, MI 481000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALDEN BOOK CO (Continued)

S103994880

Gen County: Marin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .0200
Facility County: Marin

B3

**SEARS AUTO CENTER
9000 NORTHGATE MALL
SAN RAFAEL, CA 94903**

**HAZNET U001600022
HIST UST N/A
EMI**

< 1/8
1 ft.

Site 1 of 4 in cluster B

**Relative:
Higher**

HAZNET:
Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: Marin
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.15
Facility County: Marin

**Actual:
121 ft.**

Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.2
Facility County: Not reported

Gepaid: CAL000129019
Contact: ELISSA STEVENS
Telephone: 7075425285
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5386 BLUE RIDGE TRAIL
Mailing City,St,Zip: SANTA ROSA, CA 954043625
Gen County: Marin
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS AUTO CENTER (Continued)

U00160022

Facility County: Not reported

HIST UST:

Region: STATE
Facility ID: 00000002929
Facility Type: Other
Other Type: GARAGE
Total Tanks: 0007
Contact Name: Not reported
Telephone: 4154723670
Owner Name: SEARS ROEBUCK & CO
Owner Address: SEARS TOWER
Owner City,St,Zip: CHICAGO, IL 60684

Tank Num: 001
Container Num: 01
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 02
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 03
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 04
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 05
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS AUTO CENTER (Continued)

U001600022

Leak Detection: None

Tank Num: 006
Container Num: 06
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 07
Year Installed: 1972
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

EMI:

Year: 2006
County Code: 21
Air Basin: SF
Facility ID: 16808
Air District Name: BA
SIC Code: 5311
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .036
Reactive Organic Gases Tons/Yr: .0032904
Carbon Monoxide Emissions Tons/Yr: .011
NOX - Oxides of Nitrogen Tons/Yr: .087
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

B4

**SEARS
9000 NORTHGATE
SAN RAFAEL, CA 94903**

**RCRA-SQG 1000473150
FINDS CAD982460982
HAZNET**

< 1/8
1 ft.

Site 2 of 4 in cluster B

**Relative:
Higher**

RCRA-SQG:
Date form received by agency: 09/02/1998
Facility name: SEARS
Facility address: 9000 NORTHGATE
SAN RAFAEL, CA 94903
EPA ID: CAD982460982
Mailing address: 9000 NORTHGATE MALL
SAN RAFAEL, CA 94903
Contact: JOHN SWAFFORD
Contact address: 9000 NORTHGATE
SAN RAFAEL, CA 94903
Contact country: US
Contact telephone: (415) 507-2352

**Actual:
121 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SEARS
Owner/operator address: 9000 NORTHGATE MALL
SAN RAFAEL, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (415) 507-2352
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002815623

California - Hazardous Waste Tracking System - Datamart

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

HAZNET:

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Tons: .4586
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Tons: .6880
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS (Continued)

1000473150

Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Transfer Station
Tons: .6880
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Latex waste
Disposal Method: Transfer Station
Tons: 4.1283
Facility County: Marin

Gepaid: CAL000004308
Contact: SEARS ROEBUCK & CO
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9000 NORTHGATE MALL
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Tons: 1.1884
Facility County: Marin

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

C5

**GUIDE DOGS FOR THE BLIND, INC.
350 LOS RANCHITOS RD
SAN RAFAEL, CA 94915**

**HIST UST U001600044
N/A**

**< 1/8
1 ft.**

Site 1 of 3 in cluster C

**Relative:
Lower**

HIST UST:
Region: STATE
Facility ID: 00000007193
Facility Type: Other
Other Type: Not reported
Total Tanks: 0001
Contact Name: Not reported
Telephone: 4154794000
Owner Name: GUIDE DOGS FOR THE BLIND, INC.
Owner Address: 350 LOS RANCHITOS ROAD
Owner City,St,Zip: SAN RAFAEL, CA 94915

**Actual:
27 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUIDE DOGS FOR THE BLIND, INC. (Continued)

U001600044

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

B6
< 1/8
1 ft.

JIFFY LUBE #1590
9000 NORTHGATE MALL
SAN RAFAEL, CA 94903

FINDS 1007676759
AST N/A

Site 3 of 4 in cluster B

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
121 ft.

Registry ID: 110017959921

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

AST:

Owner: FLAMINGO PROPERTIES/JIFFY LUBE
Total Gallons: 2100
Comments: Not reported

C7
< 1/8
1 ft.

GUIDE DOGS FOR THE BLIND, INC.
350 LOS RANCHITOS RD
SAN RAFAEL, CA 94903

CA FID UST S101624707
SWEEPS UST N/A

Site 2 of 3 in cluster C

Relative:
Lower

CA FID UST:
Facility ID: 21001771
Regulated By: UTKA
Regulated ID: 00007193
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154994000
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
27 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUIDE DOGS FOR THE BLIND, INC. (Continued)

S101624707

SWEEPS UST:

Status: A
Comp Number: 7193
Number: 1
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-007193-000001
Actv Date: 06-18-91
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 1

B8

**SEARS ROEBUCK AND CO 8108
8108 NORTHGATE MALL
SAN RAFAEL, CA 94577**

**RCRA-SQG 1004678399
HAZNET CAR000108563
DRYCLEANERS**

< 1/8
1 ft.

Site 4 of 4 in cluster B

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 11/06/2001
Facility name: SEARS ROEBUCK AND CO 8108
Facility address: 8108 NORTHGATE MALL
SAN RAFAEL, CA 94577
EPA ID: CAR000108563
Mailing address: 3333 BEVERLY RD
A 2 238 A
HOFFMAN ESTATES, IL 601793322
Contact: KATHLEEN FLAHERTY
Contact address: 3333 BEVERLY RD A 2 238 A
HOFFMAN ESTATES, IL 601793322
Contact country: US
Contact telephone: (847) 286-7199
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:
83 ft.**

Owner/Operator Summary:

Owner/operator name: NORTHGATE MALL ASSOC
Owner/operator address: 5800 NORTHGATE
SAN RAFAEL, CA 94577
Owner/operator country: Not reported
Owner/operator telephone: N A
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS ROEBUCK AND CO 8108 (Continued)

1004678399

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

HAZNET:

Gepaid: CAR000108563
Contact: K FLAHERTY, ENV. SPECIAL
Telephone: 8472867199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3333 Beverly Rd
Mailing City,St,Zip: Hoffman Estates, IL 601793322
Gen County: Marin
TSD EPA ID: KYD053348108
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEARS ROEBUCK AND CO 8108 (Continued)

1004678399

Disposal Method: Not reported
Tons: 0.07
Facility County: Not reported

CLEANERS:

EPA Id: CAR000108563
NAICS Code: 81149
NAICS Description: Other Personal and Household Goods Repair and Maintenance
SIC Code: 7219
Create Date: 3/4/2003 2:25:00 PM
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-339A
Mailing Address 2: A 2 238 A
Mailing State: IL
Mailing Zip: 601790000
Region Code: 2
Owner Name: SEARS, ROEBUCK & CO #8108
Owner Address: 3333 BEVERLY RD B5-339A
Owner Address 2: Not reported
Owner Telephone: 8472867222
Contact Name: MICHAEL OLSEN / MGR. ENV. COMP
Contact Address: 3333 BEVERLY RD B5-339A
Contact Address 2: A 2 238 A
Contact Telephone: 8472867222
SIC Description: 7219 Laundry and Garment Services, NEC (alteration and repair)

9

RITE AID NO 5958
1500 NORTHGATE MALL
SAN RAFAEL, CA 94903

RCRA-SQG 1000978354
FINDS CA0001007533

< 1/8
1 ft.

Relative:
Lower

Actual:
27 ft.

RCRA-SQG:

Date form received by agency: 02/08/2006
Facility name: RITE AID NO 5958
Facility address: 1500 NORTHGATE MALL
SAN RAFAEL, CA 94903
EPA ID: CA0001007533
Mailing address: 4020 STIRRUP CREEK DR
STE 100
DURHAM, NC 27703
Contact: KENNETH MCKEVENY
Contact address: 4020 STIRRUP CREEK DR STE 100
DURHAM, NC 27703
Contact country: US
Contact telephone: 919-484-3647
Contact email: KENNETH.MCKEVENY@KODAK.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5958 (Continued)

1000978354

Owner/Operator Summary:

Owner/operator name: RITE AID CORPORATION
Owner/operator address: PO BOX 3165
HARRISBURG, PA 17105
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/1998
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 02/14/2002
Facility name: RITE AID NO 5958
Site name: RITE AID CORP NO 5958
Classification: Small Quantity Generator

Date form received by agency: 01/13/1995
Facility name: RITE AID NO 5958
Site name: RITE AID CORP NO 5958
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS
CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A
CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID NO 5958 (Continued)

1000978354

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D011
Waste name: SILVER

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002623055

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

C10

**GUIDE DOGS FOR THE BLIND
350 LOS RANCHITOS
SAN RAFAEL, CA 94903**

**FINDS 1006839206
UST N/A
EMI**

< 1/8
1 ft.

Site 3 of 3 in cluster C

**Relative:
Lower**

FINDS:

Other Pertinent Environmental Activity Identified at Site

**Actual:
27 ft.**

Registry ID: 110014002186

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

UST:

Global ID: 8736
Latitude: 38.00259
Longitude: -122.54271

UST:

Facility Id: 30-0184

Tank Number: 1
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: 5385
Last Inspected: 7/27/2007
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUIDE DOGS FOR THE BLIND (Continued)

1006839206

Tank Number: 2
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: 5385
Last Inspected: 7/27/2007
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

EMI:

Year: 2002
County Code: 21
Air Basin: SF
Facility ID: 5533
Air District Name: BA
SIC Code: 8322
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
County Code: 21
Air Basin: SF
Facility ID: 5533
Air District Name: BA
SIC Code: 8322
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
County Code: 21
Air Basin: SF
Facility ID: 5533
Air District Name: BA
SIC Code: 8322
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.001
Reactive Organic Gases Tons/Yr: 0.0001643

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GUIDE DOGS FOR THE BLIND (Continued)

1006839206

Carbon Monoxide Emissions Tons/Yr:	0.005
NOX - Oxides of Nitrogen Tons/Yr:	0.015
SOX - Oxides of Sulphur Tons/Yr:	0.001
Particulate Matter Tons/Yr:	0.003
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0.0029475
Year:	2005
County Code:	21
Air Basin:	SF
Facility ID:	5533
Air District Name:	BA
SIC Code:	8322
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.01
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.0009825
Year:	2006
County Code:	21
Air Basin:	SF
Facility ID:	5533
Air District Name:	BA
SIC Code:	8322
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.009
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.0009825

11

GOODYEAR TIRE & RUBBER CO.
496 LAS GALLINAS AVE
SAN RAFAEL, CA 95403

HIST UST U001609370
N/A

< 1/8
 1 ft.

Relative:
Lower

Actual:
27 ft.

HIST UST:

Region:	STATE
Facility ID:	00000021799
Facility Type:	Other
Other Type:	SERVICE STONE
Total Tanks:	0001
Contact Name:	WILLIAM R. FERGUSON
Telephone:	4154793300
Owner Name:	GOODYEAR TIRE & RUBBER CO.
Owner Address:	496 LAS GALLINAS
Owner City,St,Zip:	SAN RAFAEL, CA 95403
Tank Num:	001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TIRE & RUBBER CO. (Continued)

U001609370

Container Num: 8748
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Pressure Test

A12 EXPRESSLY PORTRAITS INC
5600 NORTHGATE MALL
< 1/8 SAN RAFAEL, CA 94903
1 ft.

RCRA-SQG 1000857329
FINDS CAD983667429

Site 3 of 3 in cluster A

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 05/06/1993
Facility name: EXPRESSLY PORTRAITS INC
Facility address: 5600 NORTHGATE MALL
SAN RAFAEL, CA 94903
EPA ID: CAD983667429
Contact: MEL ORCHARD
Contact address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Contact country: US
Contact telephone: (415) 578-9291
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:
37 ft.**

Owner/Operator Summary:

Owner/operator name: EXPRESSLY PORTRAITS INC
Owner/operator address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Owner/operator country: Not reported
Owner/operator telephone: (415) 578-9291
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXPRESSLY PORTRAITS INC (Continued)

1000857329

Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110008285015

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

13
ESE
< 1/8
0.005 mi.
27 ft.

KERNS AND WALKER CLEANERS
412 LAS GALLINAS AVENUE
SAN RAFAEL, CA 94903

RCRA-SQG 1000318804
FINDS CAD981650278
HAZNET
DRYCLEANERS

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: KERNS & WALKER CLEANERS
 Facility address: 412 GALLINS AVE
 SAN RAFAEL, CA 94903

Actual:
29 ft.

EPA ID: CAD981650278
 Contact: Not reported
 Contact address: Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

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

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 01/07/1987
Facility name: KERNS & WALKER CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/06/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110008271235

California - Hazardous Waste Tracking System - Datamart

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: .9750
Facility County: Marin

Gepaid: CAD981650278
Contact: JONG KIM
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CAT000613943
TSD County: Sonoma
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: .1950
Facility County: Marin

Gepaid: CAD981650278
Contact: KIM JONG
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: H141
Tons: 0.33
Facility County: Marin

Gepaid: CAD981650278
Contact: KIM JONG
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KERNS AND WALKER CLEANERS (Continued)

1000318804

Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Not reported
Disposal Method: H141
Tons: Not reported
Facility County: Marin

Gepaid: CAD981650278
Contact: KIM JONG
Telephone: 4154794779
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949033618
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: 0.73
Facility County: Not reported

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

CLEANERS:

EPA Id: Not reported
NAICS Code: Not reported
NAICS Description: Not reported
SIC Code: Not reported
Create Date: 7/3/1987
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 412 LAS GALLINAS AVE
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 949033618
Region Code: 2
Owner Name: JONG KIM
Owner Address: 412 LAS GALLINAS AVE
Owner Address 2: Not reported
Owner Telephone: 4154794779
Contact Name: KIM JONG
Contact Address: 412 LAS GALLINAS AVE
Contact Address 2: Not reported
Contact Telephone: 4154794779
SIC Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D14
NNE
< 1/8
0.018 mi.
95 ft.

VALERO REFINING CO CAL NO 77067
930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 1 of 25 in cluster D

RCRA-SQG 1004675615
CAR000075143

Relative:
Higher

RCRA-SQG:

Actual:
37 ft.

Date form received by agency: 06/09/2000
Facility name: VALERO REFINING CO CAL NO 77067
Facility address: 930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
EPA ID: CAR000075143
Mailing address: P O BOX 500
SAN ANTONIO, TX 782920500
Contact: RAMON ESTRADA
Contact address: 2506 CURRAN CT
PINOLE, CA 94564
Contact country: US
Contact telephone: (510) 669-0263
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: VALERO REFINING CO C A
Owner/operator address: P O BOX 500
SAN ANTONIO, TX 78292
Owner/operator country: Not reported
Owner/operator telephone: (210) 370-2000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VALERO REFINING CO CAL NO 77067 (Continued)

1004675615

Hazardous Waste Summary:

Waste code: D000
 Waste name: Not Defined

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
 Waste name: BENZENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/24/2001
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

**D15
 NNE
 < 1/8
 0.018 mi.
 95 ft.**

**FORMER EXXON 7-7067
 930 DEL PRESIDIO BLVD
 SAN RAFAEL, CA 94901
 Site 2 of 25 in cluster D**

**LUST 1000337848
 CHMIRS N/A
 CA FID UST
 HIST UST
 SWEEPS UST
 HIST CORTESE**

**Relative:
 Higher**

LUST:

**Actual:
 37 ft.**

Region: STATE
 Global Id: T0604100047
 Latitude: 38.006596311
 Longitude: -122.544441567
 Case Type: LUST Cleanup Site
 Status: Open - Verification Monitoring
 Status Date: 2008-12-19 00:00:00
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 21-0048
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminats of Concern: Gasoline
 Site History: Not reported

LUST:

Region: 2
 Facility Id: 21-0048
 Facility Status: Pollution Characterization
 Case Number: 21-0048
 How Discovered: Tank Closure
 Leak Cause: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/30/1987
Pollution Characterization Began: 8/30/1988
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CHMIRS:

OES Incident Number: 03-2175
OES notification: 4/25/200307:39:32 PM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personnel # Of Decontaminated: Not reported
Responding Agency Personnel # Of Injuries: Not reported
Responding Agency Personnel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: Storm Drain/ San Francisco Bay
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Date/Time: Not reported
Year: 2003
Agency: San Rafael Fire Dept
Incident Date: 4/25/200312:00:00 AM
Admin Agency: San Rafael Fire Department
Amount: Not reported
Contained: Yes
Site Type: Service Station
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 100-200
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Substance was released from a diesel fuel delivery tanker. Substance went into storm drain.

CA FID UST:

Facility ID: 21000052
Regulated By: UTNKA
Regulated ID: 00024159
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154721744
Mail To: Not reported
Mailing Address: 4550 DACOMA
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000024159
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Contact Name: ED BRENDEL
Telephone: 4154721744
Owner Name: EXXON COMPANY U.S.A
Owner Address: 16945 NORTHCHASE BLVD
Owner City,St,Zip: HOUSTON, TX 77210

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 3
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-024159-000001
Actv Date: 09-26-91
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-024159-000002
Actv Date: 09-26-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-028-024159-000003
Actv Date: 09-26-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-024159-000004
Actv Date: 09-26-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON 7-7067 (Continued)

1000337848

Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 24159
Number: 1
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 21-028-024159-000005
Actv Date: 09-26-91
Capacity: 1000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

CORTESE:
Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0048

D16
NNE
< 1/8
0.018 mi.
95 ft.

EXXON CO. USA. # 77067
930 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903
Site 3 of 25 in cluster D

RCRA-LQG 1007199308
CAD981411028

Relative:
Higher

RCRA-LQG:
Date form received by agency: 10/12/2000
Facility name: EXXON CO. USA. # 77067
Facility address: 930 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
EPA ID: CAD981411028
Mailing address: P.O. BOX 4999
THE WOODLANDS, TX 773804999
Contact: ALDA POOL
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (281) 296-3579
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON CO. USA. # 77067 (Continued)

1007199308

hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 02/21/1992
Facility name: EXXON CO. USA. # 77067
Site name: EXXON CO. USA #77067
Classification: Large Quantity Generator

Violation Status: No violations found

D17
NNE
< 1/8
0.018 mi.
95 ft.

**NORTHGATE VALERO
930 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA
Site 4 of 25 in cluster D**

**UST U004051135
N/A**

Relative:
Higher

UST:

Facility Id: 30-0035
Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5382
Last Inspected: 2/3/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Actual:
37 ft.

Tank Number: 2
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5382

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE VALERO (Continued)

U004051135

Last Inspected: 2/3/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 3
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5382
Last Inspected: 2/3/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 4
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5382
Last Inspected: 2/3/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

D18
NNE
< 1/8
0.018 mi.
95 ft.

EXXON STATION #7-7067
930 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA

UST U004051105
N/A

Site 5 of 25 in cluster D

Relative:
Higher

UST:
Facility Id: 30-0083

Actual:
37 ft.

Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 2
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON STATION #7-7067 (Continued)

U004051105

Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 3
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 4
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 5
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: No
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

D19
NNE
< 1/8
0.018 mi.
95 ft.

EXXON STATION #7-7067
930 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903
Site 6 of 25 in cluster D

UST U003782117
N/A

Relative:
Higher

UST:
Global ID: 8684
Latitude: 38.00666
Longitude: -122.54451

Actual:
37 ft.

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

D20 NNE < 1/8 0.019 mi. 98 ft.	CONOCOPHILLIPS 921 DEL PRESIDIO SAN RAFAEL, CA Site 7 of 25 in cluster D	LUST	S108935355 N/A
--	---	-------------	---------------------------------

Relative: Higher	LUST: Region: STATE Global Id: T0604141609 Latitude: 38.0068530969632 Longitude: -122.54477083683 Case Type: LUST Cleanup Site Status: Open - Site Assessment Status Date: 2008-02-01 00:00:00 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2) Case Worker: Not reported Local Agency: Not reported RB Case Number: 21-0391 LOC Case Number: Not reported File Location: Regional Board Potential Media Affect: Other Groundwater (uses other than drinking water) Potential Contaminats of Concern: Diesel, Gasoline Site History: Not reported		
Actual: 37 ft.			

D21 NNE < 1/8 0.019 mi. 98 ft.	TERRA LINDA CAR WASH 921 DEL PRESIDIO BLVD. SAN RAFAEL, CA 94903 Site 8 of 25 in cluster D	UST	U003942651 N/A
--	---	------------	---------------------------------

Relative: Higher	UST: Global ID: 9017 Latitude: 38.00668 Longitude: -122.54454		
Actual: 37 ft.			

D22 NNE < 1/8 0.019 mi. 98 ft.	TERRA LINDA 76 CAR WASH #254774 921 DEL PRESIDIO BOULEVARD SAN RAFAEL, CA Site 9 of 25 in cluster D	UST	U004051170 N/A
--	--	------------	---------------------------------

Relative: Higher	UST: Facility Id: 30-0371		
Actual: 37 ft.	Tank Number: 1 Tank Status: Active Tank Contents: Motor vehicle fuel Certificate Number: 5369 Last Inspected: 8/13/2008 Active: Yes Program: Not reported Location: Not reported Pulled Date: Not reported Reason: Not reported Tank Number: 2 Tank Status: Active		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERRA LINDA 76 CAR WASH #254774 (Continued)

U004051170

Tank Contents: Motor vehicle fuel
Certificate Number: 5369
Last Inspected: 8/13/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**D23
NNE
< 1/8
0.024 mi.
127 ft.**

**UNION OIL SS# 4774
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 10 of 25 in cluster D**

**CA FID UST S101624701
SWEEPS UST N/A**

**Relative:
Lower**

CA FID UST:
Facility ID: 21000163
Regulated By: UTNKA
Regulated ID: 00030699
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154790296
Mail To: Not reported
Mailing Address: 929 DEL PRESIDIO BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**Actual:
35 ft.**

SWEEPS UST:

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-1-1
Swrcb Tank Id: 21-028-030699-000001
Actv Date: 07-01-85
Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS# 4774 (Continued)

S101624701

Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-1-2
Swrcb Tank Id: 21-028-030699-000002
Actv Date: 07-01-85
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-2-1
Swrcb Tank Id: 21-028-030699-000003
Actv Date: 07-01-85
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 30699
Number: 9
Board Of Equalization: Not reported
Ref Date: 06-21-91
Act Date: 06-21-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4774-4-1
Swrcb Tank Id: 21-028-030699-000004
Actv Date: 07-01-85
Capacity: 280
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

D24
NNE
< 1/8
0.024 mi.
127 ft.

UNION OIL SS# 4774
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 11 of 25 in cluster D

HIST UST U001600026
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000030699
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0008

Actual:
35 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS# 4774 (Continued)

U001600026

Contact Name: JEROME V. NAWROCKI
Telephone: 4154790296
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Tank Num: 001
Container Num: 4774-1-1
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 4774-1-2
Year Installed: 1961
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4774-2-1
Year Installed: 1961
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4774-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 4774-1-1
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 4774-1-2
Year Installed: 1961
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS# 4774 (Continued)

U001600026

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 4774-2-1
Year Installed: 1961
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 4774-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

D25
NNE
< 1/8
0.024 mi.
127 ft.

UNOCAL
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901
Site 12 of 25 in cluster D

HAZNET **S103991783**
LUST **N/A**
HIST CORTESE

Relative:
Lower

HAZNET:
Gepaid: CAL000161477
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: 0.18
Facility County: Not reported

Actual:
35 ft.

Gepaid: CAL000161477
Contact: TOSCO MARKETING
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: 1.7514
Facility County: Marin

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL (Continued)

S103991783

Gepaid: CAL000161477
Contact: TOSCO MARKETING
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Tons: 1.6638
Facility County: Marin

Gepaid: CAL000161477
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: 0.75
Facility County: Not reported

Gepaid: CAL000161477
Contact: TOSCO MARKETING
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Marin
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: .1042
Facility County: Marin

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

LUST:

Region: STATE
Global Id: T0604100148
Latitude: 38.008915
Longitude: -122.5435
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-04-11 00:00:00
Lead Agency: OTH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL (Continued)

S103991783

Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0157
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0157
Facility Status: Case Closed
Case Number: 8
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 4/29/1991
Preliminary Site Assesment Began: 3/2/1992
Pollution Characterization Began: 12/14/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0157

D26
NNE
< 1/8
0.024 mi.
127 ft.

UNION OIL SS#4774
929 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903
Site 13 of 25 in cluster D

HIST UST **U001600028**
N/A

Relative:
Lower

HIST UST:

Region: STATE
Facility ID: 00000059260
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0001
Contact Name: JEROME V. NAWROCKI
Telephone: 4154790296
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST., SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111

Actual:
35 ft.

Tank Num: 001
Container Num: 4774-10-1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SS#4774 (Continued)

U001600028

Leak Detection: Visual

D27
NNE
< 1/8
0.024 mi.
127 ft.

UNOCAL SERVICE STATION #4774
929 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA 94903

RCRA-LQG **1007199789**
CAD982056343

Site 14 of 25 in cluster D

Relative:
Lower

RCRA-LQG:

Date form received by agency: 03/16/1992

Facility name: UNOCAL SERVICE STATION #4774

Facility address: 929 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA 94903

EPA ID: CAD982056343

Contact: MARC LALLANILLA

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (213) 977-6596

Contact email: Not reported

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown

Mixed waste (haz. and radioactive): Unknown

Recycler of hazardous waste: Unknown

Transporter of hazardous waste: Unknown

Treater, storer or disposer of HW: No

Underground injection activity: Unknown

On-site burner exemption: Unknown

Furnace exemption: Unknown

Used oil fuel burner: Unknown

Used oil processor: Unknown

User oil refiner: Unknown

Used oil fuel marketer to burner: Unknown

Used oil Specification marketer: Unknown

Used oil transfer facility: Unknown

Used oil transporter: Unknown

Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D28
NNE
< 1/8
0.027 mi.
143 ft.

**NORTHGATE SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

**CA FID UST S101588473
SWEEPS UST N/A**

Site 15 of 25 in cluster D

**Relative:
Lower**

CA FID UST:
Facility ID: 21000139
Regulated By: UTNKA
Regulated ID: 00010499
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154991809
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94901
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**Actual:
34 ft.**

SWEEPS UST:

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-010499-000001
Actv Date: 07-01-85
Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: 4

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 6918-08041-RU1
Swrcb Tank Id: 21-028-010499-000002
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTHGATE SHELL (Continued)

S101588473

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 6918-08043-REG
Swrcb Tank Id: 21-028-010499-000003
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 10499
Number: 2
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 691808042-SU1
Swrcb Tank Id: 21-028-010499-000004
Actv Date: 06-20-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

D29
NNE
< 1/8
0.027 mi.
143 ft.

WILLIAM BAUGH/NORTHGATE SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901
Site 16 of 25 in cluster D

HIST UST **U001599992**
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000010499
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: WILLIAM BAUGH
Telephone: 4154796222
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Actual:
34 ft.

Tank Num: 001
Container Num: 1
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WILLIAM BAUGH/NORTHGATE SHELL (Continued)

U001599992

Tank Construction: 12 gauge
 Leak Detection: Stock Inventor, 10

Tank Num: 002
 Container Num: 2
 Year Installed: 83
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 003
 Container Num: 3
 Year Installed: 83
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 004
 Container Num: 4
 Year Installed: 83
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

D30
NNE
 < 1/8
 0.027 mi.
 143 ft.

NORTHGATE SHELL
950 DEL PRESIDIO
SAN RAFAEL, CA 94903

UST U003782112
N/A

Site 17 of 25 in cluster D

Relative:
Lower

Actual:
34 ft.

UST:
 Global ID: 8639
 Latitude: 38.00676
 Longitude: -122.54442

D31
NNE
 < 1/8
 0.027 mi.
 143 ft.

SHELL
950 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901

HAZNET 1000288577
LUST N/A
HIST CORTESE

Site 18 of 25 in cluster D

Relative:
Lower

Actual:
34 ft.

HAZNET:
 Gepaid: CAD981400963
 Contact: NORA CORTEZ/ENVT'L DATABASE
 Telephone: 7132412258
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 12700 NORTHBOROUGH DRIVE
 Mailing City,St,Zip: HOUSTON, TX 770672508
 Gen County: Marin

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

1000288577

TSD EPA ID: CAD982444481
TSD County: Marin
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0
Facility County: Marin

Gepaid: CAD981400963
Contact: NORA CORTEZ/ENVTL DATABASE
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE
Mailing City,St,Zip: HOUSTON, TX 770672508
Gen County: Marin
TSD EPA ID: CAD009466392
TSD County: Contra Costa
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 2
Facility County: Not reported

LUST:

Region: STATE
Global Id: T0604100126
Latitude: 38.0069587674879
Longitude: -122.543950080872
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2007-02-02 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0133
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0133
Facility Status: Preliminary site assessment underway
Case Number: 21-0133
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 12/12/1989
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

1000288577

CORTESE:
Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0133

D32
NNE
< 1/8
0.027 mi.
143 ft.

NORTHGATE SHELL #136047
950 DEL PRESIDIO BOULEVARD
SAN RAFAEL, CA

UST U004051134
N/A

Site 19 of 25 in cluster D

Relative:
Lower

UST:
Facility Id: 30-0024

Actual:
34 ft.

Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5353
Last Inspected: 12/18/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 3
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5353
Last Inspected: 12/18/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 4
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5353
Last Inspected: 12/18/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

D33 **93553**
NNE **949 DEL PRESIDIO BLVD**
< 1/8 **SAN RAFAEL, CA 94903**
0.039 mi.
207 ft. **Site 20 of 25 in cluster D**

HIST UST **U001599998**
 N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000062466
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: SABACA,HARRY
Telephone: 4154999950
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105

Actual:
31 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

D34 **CHEVRON STATIONS, INC 93553**
NNE **949 DEL PRESIDIO BOULEVARD**
< 1/8 **SAN RAFAEL, CA**
0.039 mi.
207 ft. **Site 21 of 25 in cluster D**

UST **U004051093**
 N/A

Relative:
Lower

UST:
Facility Id: 30-0036

Actual:
31 ft.

Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5360
Last Inspected: 1/16/2009
Active: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATIONS, INC 93553 (Continued)

U004051093

Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 2
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5360
Last Inspected: 1/16/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 3
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5360
Last Inspected: 1/16/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 4
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5360
Last Inspected: 1/16/2009
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

**D35
NNE
< 1/8
0.039 mi.
207 ft.**

**CHEVRON
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94901**

Site 22 of 25 in cluster D

**HAZNET S105030649
LUST N/A
SWEEPS UST**

**Relative:
Lower**

HAZNET:
Gepaid: CAR000118695
Contact: KATHY NORRIS
Telephone: 9258425931
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 94583
Gen County: Marin
TSD EPA ID: CAD982444481
TSD County: Marin

**Actual:
31 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030649

Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.01
Facility County: Marin

LUST:

Region: STATE
Global Id: T0604100157
Latitude: 38.007217455
Longitude: -122.544517967
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2007-03-29 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0166
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Gasoline
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0166
Facility Status: Leak being confirmed
Case Number: 3
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 8/17/1987
Oversight Program: LUST
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 Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-062466-000001
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S105030649

Number Of Tanks: 4

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-062466-000002
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-062466-000003
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 62466
Number: 2
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: 05-24-94
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-028-062466-000004
Actv Date: 12-29-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D36
NNE
< 1/8
0.039 mi.
207 ft.

CHEVRON STATION NO 93553
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903

Site 23 of 25 in cluster D

RCRA-SQG 1006804949
FINDS CAR000118695

Relative:
Lower

RCRA-SQG:

Date form received by agency: 05/16/2002
Facility name: CHEVRON STATION NO 93553
Facility address: 949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 949033615

Actual:
31 ft.

EPA ID: CAR000118695
Mailing address: P O BOX 6004
SAN RAMON, CA 94583
Contact: KATHY NORRIS
Contact address: P O BOX 6004
SAN RAMON, CA 94583

Contact country: US
Contact telephone: (925) 842-5931
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-5931
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 93553 (Continued)

1006804949

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110013290884

California - Hazardous Waste Tracking System - Datamart

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

D37
NNE
< 1/8
0.039 mi.
207 ft.

93553 CHEVRON
949 DEL PRESIDIO BLVD
SAN RAFAEL, CA 94903

CA FID UST S101588454
N/A

Site 24 of 25 in cluster D

Relative:
Lower

CA FID UST:

Facility ID: 21000033
Regulated By: UTNKA
Regulated ID: 00062466
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154999950
Mail To: Not reported
Mailing Address: 949 DEL PRESIDIO BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
31 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

D38
NNE
< 1/8
0.039 mi.
207 ft.

CHEVRON STATION #93553
949 DEL PRESIDIO BLVD.
SAN RAFAEL, CA 94903

Site 25 of 25 in cluster D

UST **U003804959**
N/A

Relative:
Lower

Actual:
31 ft.

UST:
Global ID: 8648
Latitude: 38.00688
Longitude: -122.54435

39
WNW
< 1/8
0.079 mi.
417 ft.

VILLA MARIN HOMEOWNERS ASSOCIATION
100 THORNDALE DRIVE
SAN RAFAEL, CA

UST **U003782243**
N/A

Relative:
Higher

Actual:
122 ft.

UST:
Global ID: 9046
Latitude: 38.00345
Longitude: -122.54824

UST:
Facility Id: 30-0478

Tank Number: 1
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: Not reported
Last Inspected: Not reported
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

E40
NE
< 1/8
0.112 mi.
592 ft.

NTRON ELECTRONICS
3833 REDWOOD HWY
SAN RAFAEL, CA 94903

Site 1 of 2 in cluster E

HAZNET **U001600017**
HIST UST **N/A**

Relative:
Higher

Actual:
76 ft.

HAZNET:
Gepaid: CAC002558926
Contact: PAULA SIFFLET
Telephone: 4155072035
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3833 REDWOOD HWY
Mailing City,St,Zip: SAN RAFAEL, CA 94903
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Not reported
Tons: 0.02
Facility County: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NTRON ELECTRONICS (Continued)

U001600017

HIST UST:
 Region: STATE
 Facility ID: 00000052925
 Facility Type: Other
 Other Type: MEDICAL DEVICES
 Total Tanks: 0001
 Contact Name: CARTER R. ENGSTROM
 Telephone: 4154724600
 Owner Name: KENNETH LEVIN
 Owner Address: 350 MERRYDALE RD.
 Owner City,St,Zip: SAN RAFAEL, CA 94903

Tank Num: 001
 Container Num: NO. 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual

**E41
 NE
 < 1/8
 0.114 mi.
 602 ft.**

**HERB'S POOL SERVICE, INC
 3769 REDWOOD HIGHWAY
 SAN RAFAEL, CA**

**UST U004051114
 N/A**

Site 2 of 2 in cluster E

**Relative:
 Higher**

UST:
 Facility Id: 30-0116

**Actual:
 85 ft.**

Tank Number: Not reported
 Tank Status: Not reported
 Tank Contents: Not reported
 Certificate Number: Not reported
 Last Inspected: Not reported
 Active: Yes
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

**F42
 North
 < 1/8
 0.116 mi.
 612 ft.**

**ART'S AUTO CARE
 1005 NORTHGATE DR
 SAN RAFAEL, CA 94901**

**LUST S102424670
 HIST CORTESE N/A**

Site 1 of 5 in cluster F

**Relative:
 Higher**

LUST:
 Region: STATE
 Global Id: T0604100257
 Latitude: 38.0085733941626
 Longitude: -122.545130252838
 Case Type: LUST Cleanup Site
 Status: Open - Verification Monitoring
 Status Date: 2008-01-10 00:00:00
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

**Actual:
 37 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ART'S AUTO CARE (Continued)

S102424670

Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0275
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Gasoline
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0275
Facility Status: Leak being confirmed
Case Number: 21-39
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/19/1995
Oversight Program: LUST
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 Post Remedial Action Monitoring Began: Not reported

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0275

F43
North
< 1/8
0.116 mi.
612 ft.

ART'S TEXACO
1005 NORTHGATE DR
SAN RAFAEL, CA 94903
Site 2 of 5 in cluster F

HIST UST **U001600003**
N/A

Relative:
Higher

HIST UST:
Region: STATE
Facility ID: 00000057007
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: ART BAPTISTA
Telephone: 4154796400
Owner Name: R & F DISTRIBUTING
Owner Address: 2401 NO. STATE ST.
Owner City,St,Zip: UKIAH, CA 95482

Actual:
37 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ART'S TEXACO (Continued)

U001600003

Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

F44
North
< 1/8
0.116 mi.
612 ft.

TEXACO
1005 NORTHGATE DR
SAN RAFAEL, CA 94903

HAZNET U001600025
HIST UST N/A

Site 3 of 5 in cluster F

Relative:
Higher

HAZNET:
Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD043260702
TSD County: San Mateo
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 40.1571

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

U001600025

Facility County: Marin

Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD004771168
TSD County: San Francisco
Waste Category: Empty containers less than 30 gallons
Disposal Method: Recycler
Tons: .1500
Facility County: Marin

Gepaid: CAC001023224
Contact: TEXCO
Telephone: 8185052734
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10 UNIVERSAL CITY PLAZA, FLR 7
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Marin
TSD EPA ID: CAD004771168
TSD County: San Francisco
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 6.0750
Facility County: Marin

HIST UST:

Region: STATE
Facility ID: 00000016020
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: SURPLUS
Telephone: 4154796400
Owner Name: TEXACO U.S.A.
Owner Address: 3350 WILSHIRE BLVD
Owner City,St,Zip: LOS ANGELES 90010

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 002
Container Num: 0000000002
Year Installed: 1965
Tank Capacity: 00006000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

U001600025

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Sensor Instrument

Tank Num: 003
Container Num: 3
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 004
Container Num: 4
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor, Sensor Instrument

Tank Num: 005
Container Num: 5
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

F45
North
< 1/8
0.116 mi.
612 ft.

GATEWAY GAS
1005 NORTHGATE DRIVE
SAN RAFAEL, CA

UST U003782222
N/A

Site 4 of 5 in cluster F

Relative:
Higher

UST:
Global ID: 9016
Latitude: 38.00825
Longitude: -122.54513

Actual:
37 ft.

UST:
Facility Id: 30-0370

Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5370
Last Inspected: 8/17/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GATEWAY GAS (Continued)

U003782222

Tank Number: 2
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5370
Last Inspected: 8/17/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

F46
North
< 1/8
0.116 mi.
612 ft.

ARTS AUTO CARE
1005 NORTHGATE DR
SAN RAFAEL, CA 94903

CA FID UST S101588498
SWEEPS UST N/A

Site 5 of 5 in cluster F

Relative:
Higher

CA FID UST:
Facility ID: 21001170
Regulated By: UTNKA
Regulated ID: 00016020
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154796400
Mail To: Not reported
Mailing Address: 1005 NORTHGATE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
37 ft.

SWEEPS UST:
Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-016020-000001
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 16020
Number: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARTS AUTO CARE (Continued)

S101588498

Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 21-028-016020-000002
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-028-016020-000003
Actv Date: 02-07-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-028-016020-000004
Actv Date: 07-01-85
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16020
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-07-92
Act Date: 02-07-92
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARTS AUTO CARE (Continued)

S101588498

Swrcb Tank Id: 21-028-016020-000005
Actv Date: 07-01-85
Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

47
NNE
1/8-1/4
0.173 mi.
913 ft.

CHEVRON
100 MARIN
SAN RAFAEL, CA

HAZNET **S102793031**
SWEEPS UST **N/A**

Relative:
Higher

HAZNET:
Gepaid: CAC000726744
Contact: BRENDA SWIERCINSKY
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 100 MARIN CENTER DRIVE
Mailing City,St,Zip: SAN RAFAEL, CA 949030000
Gen County: Marin
TSD EPA ID: CAL000027741
TSD County: 5
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.2642
Facility County: Marin

Actual:
43 ft.

SWEEPS UST:
Status: A
Comp Number: 844
Number: 1
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: Not reported
Created Date: 05-25-94
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-000-0008
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PLUS UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 844
Number: 1
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: Not reported
Created Date: 05-25-94
Tank Status: A
Owner Tank Id: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON (Continued)

S102793031

Swrcb Tank Id: 21-000-0008
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 844
Number: 1
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: Not reported
Created Date: 05-25-94

Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 21-000-0008
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 844
Number: 1
Board Of Equalization: 44-031913
Ref Date: 12-29-92
Act Date: Not reported
Created Date: 05-25-94

Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 21-000-0008
Actv Date: Not reported
Capacity: 10000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

48
NNW
1/8-1/4
0.227 mi.
1196 ft.

PAUL O SATHER RADIOLOGY OFFICE
750 LAS GALLINAS NO 101
SAN RAFAEL, CA 94903

RCRA-SQG 1000685832
FINDS CAD983624941

Relative:
Lower

RCRA-SQG:
Date form received by agency: 03/24/1992
Facility name: PAUL O SATHER RADIOLOGY OFFICE
Facility address: 750 LAS GALLINAS NO 101
SAN RAFAEL, CA 94903
EPA ID: CAD983624941
Contact: PAUL SATHER
Contact address: 750 LAS GALLINAS NO 101
SAN RAFAEL, CA 94903
Contact country: US

Actual:
22 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAUL O SATHER RADIOLOGY OFFICE (Continued)

1000685832

Contact telephone: (415) 879-8211
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PAUL SATHER MD
Owner/operator address: 750 LAS GALLINAS NO 101
SAN RAFAEL, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (415) 479-8211
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002872044

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

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

49
NNE
1/4-1/2
0.254 mi.
1339 ft.

PACIFIC BELL
7 PROFESSIONAL CENTER PARKWAY
SAN RAFAEL, CA 94903

RCRA-SQG 1000250851
FINDS CAT080015761
HAZNET
LUST
CA FID UST
HIST UST
SWEEPS UST
HIST CORTESE

Relative:
Lower

Actual:
26 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PACIFIC BELL
Facility address: 7 PROFESSIONAL CENTER PARKWAY
SAN RAFAEL, CA 94903

EPA ID: CAT080015761
Mailing address: 220 MONTGOMERY STREET RM 1051
SAN FRANCISCO, CA 94104

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THE PACIFIC TEL & TEL COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 01/09/1981
Facility name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002947438

California - Hazardous Waste Tracking System - Datamart

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

HAZNET:

Gepaid: CAT080015761
Contact: SHARON BAYLE/STAFF ASSOC
Telephone: 9258675741
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: 0.29
Facility County: Not reported

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Gen County: Marin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: .6255
Facility County: Marin

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 0.2085
Facility County: Marin

Gepaid: CAT080015761
Contact: SHARON BAYLE/STAFF ASSOC
Telephone: 9258675741
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: Not reported
TSD County: San Mateo
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.44
Facility County: Not reported

Gepaid: CAT080015761
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Marin
TSD EPA ID: CAD083166728
TSD County: Stanislaus
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .2293
Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 1 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

LUST:

Region: STATE
Global Id: T0604100162
Latitude: 38.011754
Longitude: -122.538841
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2007-02-20 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0171
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Kerosene
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0171
Facility Status: Pollution Characterization
Case Number: 57
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 11/5/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21001560
Regulated By: UTKNA
Regulated ID: 00057735
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155426758
Mail To: Not reported
Mailing Address: 370 003RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

1000250851

Region: STATE
Facility ID: 00000057735
Facility Type: Other
Other Type: SIC 4800
Total Tanks: 0001
Contact Name: E.J. KOEHLER
Telephone: 4155426758
Owner Name: PACIFIC BELL
Owner Address: 370 THIRD STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94107

Tank Num: 001
Container Num: 1
Year Installed: 1979
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: A
Comp Number: 57735
Number: 9
Board Of Equalization: Not reported
Ref Date: 03-06-91
Act Date: 03-06-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 21-028-057735-000001
Actv Date: 09-27-91
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0171

**G50
WNW
1/4-1/2
0.380 mi.
2007 ft.**

**KAISER PERMANENTE MEDICAL CENTER
99 MONTECILLO ROAD
SAN RAFAEL, CA 94903
Site 1 of 2 in cluster G**

**FINDS 1000380355
HAZNET CAD981427495
LUST
RCRA-LQG
UST
CA FID UST
HIST UST
SWEEPS UST**

**Relative:
Higher**

**Actual:
66 ft.**

**FINDS:
Other Pertinent Environmental Activity Identified at Site**

Registry ID: 110000783929

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

California - Hazardous Waste Tracking System - Datamart

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

HAZNET:

Gepaid: CAD981427495
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: Marin
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .1225
Facility County: Marin

Gepaid: CAD981427495
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: Marin
TSD EPA ID: CAD983600339
TSD County: 1
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 22.9671
Facility County: Marin

Gepaid: CAD981427495
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: Marin
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Tons: .0030
Facility County: Marin

Gepaid: CAD981427495
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: Marin
TSD EPA ID: CAD983600339
TSD County: 1
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Tons: .4170
Facility County: Marin

Gepaid: CAD981427495
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: Marin
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Disposal, Other
Tons: 1.2574
Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 224 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:

Region: STATE
Global Id: T0604100190
Latitude: 38.005843
Longitude: -122.552508
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1999-08-27 00:00:00
Lead Agency: OTH
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0199
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Diesel
Site History: Not reported

LUST:

Region: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Facility Id: 21-0199
Facility Status: Case Closed
Case Number: 82
How Discovered: Subsurface Monitoring
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/5/1995
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

RCRA-LQG:

Date form received by agency: 02/28/2006
Facility name: KAISER PERMANENTE SAN RAFAEL
Facility address: 99 MONTECILLO ROAD
SAN RAFAEL, CA 94903
EPA ID: CAD981427495
Contact: SHARON FOLEY
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (415) 444-2021
Telephone ext.: 2021
Contact email: SHARON.FOLEY@KP.ORG
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: KAISER PERMANENTE
Owner/operator address: 1950 FRANKLIN STREET
OAKLAND, CA 94612
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/12/1979
Owner/Op end date: Not reported
Owner/operator name: SHARON FOLEY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/15/2004
Owner/Op end date: Not reported

Handler Activities Summary:

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

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/30/2004
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/25/2002
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE MED CENTER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE
Classification: Large Quantity Generator

Date form received by agency: 03/28/1996
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/14/1996
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE
Classification: Large Quantity Generator

Date form received by agency: 04/29/1994
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE
Classification: Large Quantity Generator

Date form received by agency: 04/06/1992
Facility name: KAISER PERMANENTE SAN RAFAEL
Site name: KAISER PERMANENTE
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 134
Waste name: 134

Waste code: 141
Waste name: 141

Waste code: 181
Waste name: 181

Waste code: 213
Waste name: 213

Waste code: 261
Waste name: 261

Waste code: 343
Waste name: 343

Waste code: 352
Waste name: 352

Waste code: 512
Waste name: 512

Waste code: 541
Waste name: 541

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Waste code: 551
Waste name: 551

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2007

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Amount (Lbs): 3535

Waste code: D011
Waste name: SILVER
Amount (Lbs): 14297.5

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 7185

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/12/2003
Date achieved compliance: 12/12/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/12/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 12/12/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/12/2003
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/27/2002
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/02/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

UST:

Global ID: 8731
Latitude: 38.00414

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Longitude: -122.55367

UST:

Facility Id: 30-0181

Tank Number: 1
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5376
Last Inspected: 12/12/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 2
Tank Status: Active
Tank Contents: Motor vehicle fuel
Certificate Number: 5376
Last Inspected: 12/12/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 3
Tank Status: Tank Removed
Tank Contents: Motor vehicle fuel
Certificate Number: 5376
Last Inspected: 12/12/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

Tank Number: 4
Tank Status: Tank Removed
Tank Contents: Hazardous waste (includes used oil)
Certificate Number: 5376
Last Inspected: 12/12/2008
Active: Yes
Program: Not reported
Location: Not reported
Pulled Date: Not reported
Reason: Not reported

CA FID UST:

Facility ID: 21001773
Regulated By: UTNKA
Regulated ID: 00010182

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154992130
Mail To: Not reported
Mailing Address: 99 MONTICELLO RD
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94903
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000010182
Facility Type: Other
Other Type: MEDICAL CENTER
Total Tanks: 0003
Contact Name: Not reported
Telephone: 4154992000
Owner Name: KAISER FOUNDATION HOSPITAL
Owner Address: 1924 BROADWAY
Owner City,St,Zip: OAKLAND, CA 94612

Tank Num: 001
Container Num: B-1
Year Installed: 1975
Tank Capacity: 00007637
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: B-2
Year Installed: 1975
Tank Capacity: 00007637
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: E-1
Year Installed: 1975
Tank Capacity: 00007637
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:

Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER PERMANENTE MEDICAL CENTER (Continued)

1000380355

Comp Number: 10182
Number: 1
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: B-1
Swrcb Tank Id: 21-028-010182-000001
Actv Date: 06-20-91
Capacity: 1500
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 3

Status: A
Comp Number: 10182
Number: 1
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: B-1
Swrcb Tank Id: 21-028-010182-000002
Actv Date: 06-20-91
Capacity: 7637
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 10182
Number: 1
Board Of Equalization: Not reported
Ref Date: 06-20-91
Act Date: 06-20-91
Created Date: 12-31-88
Tank Status: A
Owner Tank Id: B-2
Swrcb Tank Id: 21-028-010182-000003
Actv Date: 06-20-91
Capacity: 7637
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

G51
WNW
1/4-1/2
0.380 mi.
2007 ft.

KAISER MEDICAL CENTER
99 MONTECILLO
SAN RAFAEL, CA 94903

HIST CORTESE

S102432102
N/A

Site 2 of 2 in cluster G

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0199

Actual:
66 ft.

52
ESE
1/4-1/2
0.414 mi.
2185 ft.

MARIN COUNTY CIVIC CENTER
3501 CIVIC CENTER DR
SAN RAFAEL, CA 94913

HAZNET
LUST
CHMIRS
CDL
HIST CORTESE

U003104391
N/A

Relative:
Lower

HAZNET:
Gepaid: CAC002623749
Contact: LIZ LOUIS
Telephone: 4194996530
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4186
Mailing City,St,Zip: SAN RAFAEL, CA 949134186
Gen County: Marin
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 2.78
Facility County: Marin

Actual:
35 ft.

Gepaid: CAL000315674
Contact: KEVIN PUSSER
Telephone: 4154993709
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4186
Mailing City,St,Zip: SAN RAFAEL, CA 949130000
Gen County: Marin
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Asbestos-containing waste
Disposal Method: H132
Tons: 1.67
Facility County: Marin

Gepaid: CAL000315674
Contact: KEVIN PUSSER
Telephone: 4154993709
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4186
Mailing City,St,Zip: SAN RAFAEL, CA 949130000
Gen County: Marin
TSD EPA ID: CAD982042475
TSD County: Solano
Waste Category: Asbestos-containing waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIN COUNTY CIVIC CENTER (Continued)

U003104391

Disposal Method: H132
Tons: 0.8
Facility County: Marin

Gepaid: CAL000315674
Contact: KEVIN PUSSER
Telephone: 4154993709
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4186
Mailing City,St,Zip: SAN RAFAEL, CA 949130000
Gen County: Marin
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other inorganic solid waste
Disposal Method: H132
Tons: 0.2
Facility County: Marin

Gepaid: CAC002570721
Contact: DORREN HILL
Telephone: 4154996526
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4186
Mailing City,St,Zip: SAN RAFAEL, CA 94913
Gen County: Marin
TSD EPA ID: CAD982042475
TSD County: Marin
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 12.64
Facility County: Marin

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

LUST:

Region: STATE
Global Id: T0604100330
Latitude: 37.9974731745062
Longitude: -122.529230117798
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2009-04-01 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: MARIN COUNTY
RB Case Number: 21-0348
LOC Case Number: 21-0348
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminats of Concern: Diesel
Site History: Not reported

Region: STATE
Global Id: T0604100068

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIN COUNTY CIVIC CENTER (Continued)

U003104391

Latitude: 38.0009
Longitude: -122.5333
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1998-01-22 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: MARIN COUNTY
RB Case Number: 21-0071
LOC Case Number: 21-0071
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminats of Concern: Diesel
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0071
Facility Status: Case Closed
Case Number: 21-0071
How Discovered: OM
Leak Cause: Other Cause
Leak Source: Other Source
Date Leak Confirmed: Not reported
Oversight Program: LUST
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 Post Remedial Action Monitoring Began: Not reported

Region: 2
Facility Id: 21-0348
Facility Status: Preliminary site assessment underway
Case Number: 21-0348
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 10/29/1999
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 6/4/2001
Preliminary Site Assesment Began: 2/12/2003
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CHMIRS:

OES Incident Number: 99-4653
OES notification: 11/2/199912:21:47 PM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIN COUNTY CIVIC CENTER (Continued)

U003104391

Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: Civic Center Lagoon
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1999
Agency: Marin Co
Incident Date: 10/28/1999 12:00:00 AM
Admin Agency: San Rafael Fire Department
Amount: Not reported
Contained: Yes
Site Type: Waterways
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 10
Grams: 0
Pounds: 0
Liters: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIN COUNTY CIVIC CENTER (Continued)

U003104391

Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Underground storage tank had pipe leak and fuel went into storm drain subsequently got washed into the lagoon by rain

CDL:

Facility ID: 200007018
Lab Type: Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0071

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0348

**53
NNE
1/4-1/2
0.458 mi.
2417 ft.**

**TESTA PLUMBING
4244 REDWOOD HWY
SAN RAFAEL, CA 94903**

**HAZNET
LUST
HIST CORTESE**

**S104162588
N/A**

**Relative:
Lower**

HAZNET:

Gepaid: CAC000753312
Contact: KEN TESTA
Telephone: 7074850414
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2151 RD E
Mailing City,St,Zip: REDWOOD VALLEY, CA 954700000
Gen County: Marin
TSD EPA ID: CAL000048571
TSD County: Santa Clara
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .4170
Facility County: Marin

**Actual:
22 ft.**

Gepaid: CAC000753312
Contact: KEN TESTA
Telephone: 7074850414
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2151 RD E

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESTA PLUMBING (Continued)

S104162588

Mailing City,St,Zip: REDWOOD VALLEY, CA 954700000
Gen County: Marin
TSD EPA ID: CAD009466392
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: .2500
Facility County: Marin

LUST:

Region: STATE
Global Id: T0604100294
Latitude: 38.013799
Longitude: -122.54097
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-10-18 00:00:00
Lead Agency: OTH
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0312
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminats of Concern: Gasoline
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0312
Facility Status: Case Closed
Case Number: 21-0312
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
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 Post Remedial Action Monitoring Began: Not reported

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0312

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

H54 **SCR-FAIRCHILD-4300 REDWOO**
NNE **4300 REDWOOD**
1/2-1 **SAN RAFAEL, CA 94903**
0.521 mi.
2752 ft. **Site 1 of 2 in cluster H**

ENVIROSTOR **S101481138**
HIST CORTESE **N/A**

Relative:
Lower

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Berkeley
 Facility ID: 21360001
 Site Code: Not reported
 Assembly: 06
 Senate: 03
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 1989-11-09 00:00:00
 Restricted Use: NO
 Funding: Not reported
 Latitude: 38.0138888888889
 Longitude: -122.5411111111111
 Alias Name: 21360001
 Alias Type: Envirostor ID Number

Actual:
22 ft.

APN: NONE SPECIFIED
 APN Description: Not reported
 Comments: FACILITY IDENTIFIED RWQCB FILE: 5/7/82 LETTER - GROUNDWATER
 CONTAMINATION / WASTE PLUME ON SITESITE SCREENING DONE ACTION STATUS
 RATIONALE: SITE IS PENDING RWQCB ACTION RELATIVE TO THE WASTE PLUME
 IDENTIFIED ON SITE.

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 1987-02-01 00:00:00

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 1989-12-15 00:00:00

Confirmed: NONE SPECIFIED
 Confirmed Description: Not reported
 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Media Affected: NONE SPECIFIED
 Media Affected Desc: Not reported

Management:

Management Required: NONE SPECIFIED
 Management Required Desc: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCR-FAIRCHILD-4300 REDWOOD (Continued)

S101481138

Potential: NONE SPECIFIED
Potential Description: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: NONE SPECIFIED

CORTESE:
Region: CORTESE
Facility County Code: 21
Reg By: WBC&D
Reg Id: 2 215121N01

H55 FAIRCHILD CAMERA & INSTRUMENT
NNE 4300 REDWOOD HWY
1/2-1 SAN RAFAEL, CA 94903
0.521 mi.
2752 ft. Site 2 of 2 in cluster H

Relative:
Lower

Actual:
22 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110000609333

California - Hazardous Waste Tracking System - Datamart

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

RCRA-TSDF:

Date form received by agency: 08/06/1992
Facility name: FAIRCHILD CAMERA & INSTRUMENT
Facility address: 4300 REDWOOD HWY
SAN RAFAEL, CA 94903
EPA ID: CAD009144619
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.

FINDS 1000354465
RCRA-TSDF CAD009144619
CORRACTS
CERC-NFRAP
HIST UST
NPDES
ENVIROSTOR
RCRA-NonGen

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FAIRCHILD, A SCHLUMBERGER CO
Owner/operator address: 4300 REDWOOD HWY
SAN RAFAEL, CA 94903
Owner/operator country: Not reported
Owner/operator telephone: (415) 479-8000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FAIRCHILD, A SCHLUMBERGER CO
Owner/operator address: 4300 REDWOOD HWY
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 479-8000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 07/25/1980
Facility name: FAIRCHILD CAMERA & INSTRUMENT
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 04/30/1990
Event: CA036WQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Event date: 06/01/1990
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 06/01/1990
Event: CA049PA

Event date: 06/01/1990
Event: CA074ME

Event date: 06/01/1990
Event: CA029WQ

Event date: 04/23/1997
Event: RFA Completed, Assessment was an RFA.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/27/1988
Date achieved compliance: 06/14/1989
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/27/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 06/14/1989
Evaluation lead agency: State

Evaluation date: 02/02/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Evaluation date: 01/27/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/14/1989
Evaluation lead agency: State

Evaluation date: 01/27/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 06/14/1989
Evaluation lead agency: State

CORRACTS:

EPA ID: CAD009144619
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 6/1/1990
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 334413
Semiconductor and Related Device Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

CERC-NFRAP:

Site ID: 0903275
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Nuria Muniz
Contact Tel: (415) 972-3811
Contact Title: Site Assessment Manager (SAM)

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/28/1989
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 06/01/1990
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/23/1996
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

HIST UST:

Region: STATE
Facility ID: 00000035373
Facility Type: Not reported
Other Type: Not reported
Total Tanks: 0002
Contact Name: RICHARD BOHNET
Telephone: 4154798000
Owner Name: FAIRCHILD CAMERA AND INSTRUMEN
Owner Address: 464 ELLIS ST.
Owner City,St,Zip: MT. VIEW, CA 94042

Tank Num: 001
Container Num: #1
Year Installed: 1960
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: Groundwater Monitoring Well

Tank Num: 002
Container Num: #2
Year Installed: 1960
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: Visual, Sensor Instrument

NPDES:

Npdes Number: Not reported
Facility Status: Terminated
Agency Id: 201
Region: 2
Regulatory Measure Id: 182064
Order No: Not reported
Order No Of General Order: Not reported
Regulatory Measure Type: Storm water construction
Place Id: 203197
WDID: 2 21C314592
Program Type: CONSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/30/2000
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 12/7/2006
Discharge Name: 4300 Redwood Road LLC Ico Keenan
Discharge Address: 700 Emerson St
Discharge Address2: Not reported
Discharge City: Palo Alto
Discharge State: CA
Discharge Zip: 94301

ENVIROSTOR:

Site Type: Corrective Action
Site Type Detailed: Corrective Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRCHILD CAMERA & INSTRUMENT (Continued)

1000354465

Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: Wei Wei Chui
Division Branch: Berkeley
Facility ID: 80001607
Site Code: Not reported
Assembly: 06
Senate: 06
Special Program: Not reported
Status: * Inactive
Status Date: 2008-01-01 00:00:00
Restricted Use: NO
Funding: Not reported
Latitude: 38.014257
Longitude: -122.54102
Alias Name: SL20232850
Alias Type: GeoTracker Global ID
Alias Name: 80001607
Alias Type: Envirostor ID Number
Alias Name: CAD009144619
Alias Type: EPA Identification Number

APN: NONE SPECIFIED
APN Description: Not reported
Comments: Not reported

Completed Info:

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

Confirmed: NONE SPECIFIED
Confirmed Description: Not reported
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: NONE SPECIFIED
Media Affected Desc: Not reported

Management:

Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: NONE SPECIFIED
Potential Description: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

56
ESE
1/2-1
0.747 mi.
3943 ft.

MARINE CORPS RESERVE CENTER
153 MADISON AVE
SAN RAFAEL, CA 94903

Notify 65
LUST
S100179433
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: 92691

Actual:
29 ft.

LUST:
Region: STATE
Global Id: T0604100072
Latitude: 38.001069
Longitude: -122.526607
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2009-03-20 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0075
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Soil
Potential Contaminats of Concern: Diesel
Site History: Not reported

LUST:
Region: 2
Facility Id: 21-0075
Facility Status: Preliminary site assessment underway
Case Number: 59
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/3/1995
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

57
ESE
1/2-1
0.833 mi.
4397 ft.

MARINE CORPS RESERVE TRAINING CENTER
153 MADISON AVE.
SAN RAFAEL, CA 94903

ENVIROSTOR **S101481159**
N/A

Relative:
Lower

Actual:
34 ft.

ENVIROSTOR:
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Berkeley
Facility ID: 21920002
Site Code: 200331
Assembly: 06
Senate: 03
Special Program: Not reported
Status: Refer: Other Agency
Status Date: 1994-06-23 00:00:00
Restricted Use: NO
Funding: Not reported
Latitude: 38.0013694714989
Longitude: -122.527632598818
Alias Name: 21920002
Alias Type: Envirostor ID Number
Alias Name: 200331
Alias Type: Project Code (Site Code)
Alias Name: CA NATIONAL GUARD
Alias Type: Alternate Name
Alias Name: CALIFORNIA NATIONAL GUARD
Alias Type: Alternate Name
Alias Name: NAVY RADIO TRAINING CENTER
Alias Type: Alternate Name
Alias Name: US MARINE TRAINING CENTER
Alias Type: Alternate Name

APN: NONE SPECIFIED
APN Description: Not reported
Comments: Not reported

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1992-01-10 00:00:00

Confirmed: NONE SPECIFIED
Confirmed Description: Not reported
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: NONE SPECIFIED
Media Affected Desc: Not reported

Management:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE CORPS RESERVE TRAINING CENTER (Continued)

S101481159

Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: NONE SPECIFIED
Potential Description: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: NONE SPECIFIED

58
NNE
1/2-1
0.872 mi.
4604 ft.

RICH ELECTRIC
110 CARLOS DR
SAN RAFAEL, CA 94901

Notify 65 **U000058140**
LUST **N/A**
HIST CORTESE

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: 92691

Actual:
24 ft.

LUST:

Region: STATE
Global Id: T0604100172
Latitude: 38.017368
Longitude: -122.533895
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1995-11-03 00:00:00
Lead Agency: OTH
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 21-0181
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Region: 2
Facility Id: 21-0181
Facility Status: Case Closed
Case Number: 56
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/9/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICH ELECTRIC (Continued)

U000058140

Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0181

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MARIN COUNTY	S105632050		US 101 EST BLYTHEDALE EXIT		CHMIRS, SLIC
SAN RAFAEL	U003974753	CHINA CAMP STATE PARK	1 ROUTE 1, BOX 244	94903	UST
SAN RAFAEL	S109422306	MARIN SANITARY SERVICE TYPE A INER	1050 ANDERSON DRIVE ON JACOBY		SWF/LF
SAN RAFAEL	U003914495	CHINA CAMP	CHINA CAMP STATE PARK	94903	UST
SAN RAFAEL	1004678370	MARIN MUNI WTR MILLER CREEK TK	1677 LUCAS VLY RD DWY RT OF	94903	RCRA-SQG, FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 02/02/2009	Source: EPA
Date Data Arrived at EDR: 02/12/2009	Telephone: N/A
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/23/2009	Source: EPA
Date Data Arrived at EDR: 04/28/2009	Telephone: N/A
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/17/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 02/02/2009	Source: EPA
Date Data Arrived at EDR: 02/12/2009	Telephone: N/A
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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: 01/09/2009	Source: EPA
Date Data Arrived at EDR: 01/30/2009	Telephone: 703-412-9810
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/29/2009
Number of Days to Update: 101	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 06/15/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2009	Source: EPA
Date Data Arrived at EDR: 04/02/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/01/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/31/2009
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/22/2009	Telephone: 703-603-0695
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 03/30/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2008	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/30/2009	Telephone: 202-267-2180
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 05/12/2009
Number of Days to Update: 109	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/27/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/27/2009	Telephone: 916-323-3400
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 05/27/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/27/2009	Telephone: 916-323-3400
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/10/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 05/04/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

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. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/08/2009
Date Data Arrived at EDR: 04/08/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 33

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 05/11/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/08/2009
Date Data Arrived at EDR: 04/08/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 33

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 08/17/2008
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 05/11/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/20/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 9

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/04/2009	Source: EPA Region 10
Date Data Arrived at EDR: 06/05/2009	Telephone: 206-553-2857
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/20/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 06/03/2009	Telephone: 303-312-6271
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2009	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/08/2009	Source: SWRCB
Date Data Arrived at EDR: 04/08/2009	Telephone: 916-480-1028
Date Made Active in Reports: 05/14/2009	Last EDR Contact: 04/08/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 04/14/2009	Last EDR Contact: 05/29/2009
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/24/2009	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2009	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 05/17/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/20/2009	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2009	Telephone: 214-665-7591
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 06/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 06/03/2009	Telephone: 303-312-6137
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 06/04/2009	Source: EPA Region 10
Date Data Arrived at EDR: 06/05/2009	Telephone: 206-553-2857
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/15/2008	Source: EPA Region 9
Date Data Arrived at EDR: 12/16/2008	Telephone: 415-972-3368
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 05/27/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/27/2009	Telephone: 916-323-3400
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Brownfields Cleanup Revolving Loan Fund (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: 10/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/14/2008	Telephone: 202-566-2777
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 05/20/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008	Source: EPA, Region 9
Date Data Arrived at EDR: 04/17/2008	Telephone: 415-972-3336
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/21/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/21/2009
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database

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

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 06/01/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/31/2009
	Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 04/07/2009	Source: Department of Conservation
Date Data Arrived at EDR: 04/08/2009	Telephone: 916-323-3836
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/08/2009
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/28/2009	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 05/29/2009	Telephone: 916-341-6422
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 06/08/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/26/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 10/31/2008	Telephone: 202-307-1000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 03/26/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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

Date of Government Version: 05/27/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/27/2009	Telephone: 916-323-3400
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/22/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 04/07/2009
Date Data Arrived at EDR: 04/07/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/21/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database

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

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/29/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2009	Telephone: 202-564-6023
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/18/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/08/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/15/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/19/2009	Telephone: 916-323-3400
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 05/04/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/03/2009
	Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/30/2009	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/31/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 12/30/2009
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/31/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-366-4555
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 04/16/2009
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 12/31/2007	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/09/2008	Telephone: 916-845-8400
Date Made Active in Reports: 06/20/2008	Last EDR Contact: 05/18/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 04/08/2009	Source: State Water Quality Control Board
Date Data Arrived at EDR: 04/08/2009	Telephone: 866-480-1028
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/08/2009
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 04/08/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/08/2009	Telephone: 866-480-1028
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/08/2009
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: (415) 495-8895
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 04/23/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 05/27/2009
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 01/27/2009
Date Data Arrived at EDR: 04/23/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 18

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/21/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 04/23/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 03/24/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/23/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/16/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/14/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 03/20/2009
Date Data Arrived at EDR: 03/20/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 02/26/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 9

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 05/04/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 04/02/2009
Date Data Arrived at EDR: 04/24/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 25

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/28/2009
Date Data Arrived at EDR: 04/29/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/29/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/28/2009	Source: EPA
Date Data Arrived at EDR: 05/01/2009	Telephone: (415) 947-8000
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 03/30/2009
Number of Days to Update: 18	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/19/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 06/08/2009
Number of Days to Update: 92	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/09/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2009	Telephone: 916-445-9379
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 06/11/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/20/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 19

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/22/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES].

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 05/06/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 4

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 03/30/2009
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/24/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 17

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/24/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 50

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 41

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 04/13/2009
Date Data Arrived at EDR: 04/14/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/24/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 13

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/24/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

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

Date of Government Version: 05/27/2009
Date Data Arrived at EDR: 05/28/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 18

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

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

Date of Government Version: 04/17/2009
Date Data Arrived at EDR: 04/17/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 24

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 05/04/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 9

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/26/2008
Date Data Arrived at EDR: 01/27/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 71

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 05/11/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 05/12/2009
Date Data Arrived at EDR: 05/14/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 32

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 05/12/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 06/08/2009
Next Scheduled EDR Contact: 09/07/2009
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/11/2009
Date Data Arrived at EDR: 04/23/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 18

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 05/11/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/11/2009
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 06/12/2009
Number of Days to Update: 24

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 05/11/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 06/03/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 44

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 06/12/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/05/2009
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 51

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/27/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/21/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Annually

ORANGE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/06/2009
Date Data Arrived at EDR: 06/09/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 6

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/03/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/02/2009
Date Data Arrived at EDR: 03/27/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 12

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/03/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/06/2009
Date Data Arrived at EDR: 06/09/2009
Date Made Active in Reports: 06/12/2009
Number of Days to Update: 3

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/27/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 13

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/14/2009
Date Data Arrived at EDR: 04/15/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 26

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 05/06/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 7

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/04/2009
Date Data Arrived at EDR: 04/29/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 12

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/29/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/04/2009
Date Data Arrived at EDR: 04/29/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 12

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/29/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 04/08/2009
Date Data Arrived at EDR: 04/08/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 07/16/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 01/22/2009	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 03/31/2009	Telephone: 619-338-2371
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 03/31/2009
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 06/01/2009
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/31/2009
	Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department of Public Health
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 10/01/2008	Last EDR Contact: 06/15/2009
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/31/2009
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 04/22/2009	Source: Environmental Health Department
Date Data Arrived at EDR: 05/12/2009	Telephone: N/A
Date Made Active in Reports: 06/12/2009	Last EDR Contact: 04/13/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/29/2009	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 05/01/2009	Telephone: 650-363-1921
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/07/2009
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 04/07/2009	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/07/2009	Telephone: 650-363-1921
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/07/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2009
Date Data Arrived at EDR: 04/07/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2009
Date Data Arrived at EDR: 04/10/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/20/2009
Date Data Arrived at EDR: 04/21/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 20

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009
Date Data Arrived at EDR: 04/02/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 7

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/26/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 8

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2009
Next Scheduled EDR Contact: 09/07/2009
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 14

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/09/2009
Next Scheduled EDR Contact: 09/07/2009
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/08/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 36

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/21/2009
Date Data Arrived at EDR: 05/06/2009
Date Made Active in Reports: 05/14/2009
Number of Days to Update: 8

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/11/2008	Telephone: 860-424-3375
Date Made Active in Reports: 03/19/2009	Last EDR Contact: 06/12/2009
Number of Days to Update: 98	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/05/2009	Telephone: N/A
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 05/05/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/03/2009
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/27/2009	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/25/2009	Telephone: 518-402-8651
Date Made Active in Reports: 03/12/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/11/2008	Telephone: N/A
Date Made Active in Reports: 10/02/2008	Last EDR Contact: 06/08/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/12/2009	Telephone: 401-222-2797
Date Made Active in Reports: 03/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Natural Resources
Date Data Arrived at EDR: 08/22/2008	Telephone: N/A
Date Made Active in Reports: 09/08/2008	Last EDR Contact: 04/07/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NORTHGATE MALL
5800 NORTHGATE MALL
SAN RAFAEL, CA 94903

TARGET PROPERTY COORDINATES

Latitude (North):	38.00520 - 38° 0' 18.7"
Longitude (West):	122.544 - 122° 32' 38.4"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	540033.9
UTM Y (Meters):	4206284.5
Elevation:	37 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38122-A5 NOVATO, CA
Most Recent Revision:	1980
South Map:	37122-H5 SAN RAFAEL, CA
Most Recent Revision:	1999

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

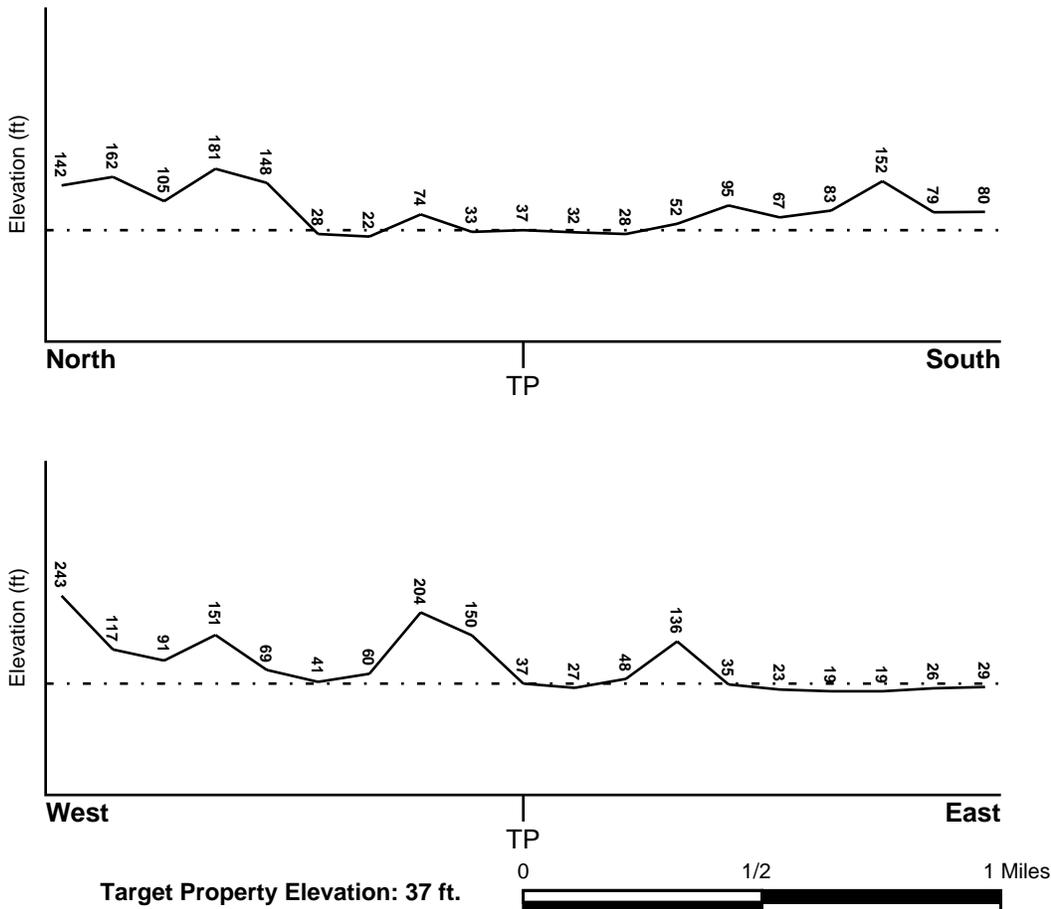
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> MARIN, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0650580005B
Additional Panels in search area:	0601730269A 0601730450A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOVATO	NWI Electronic <u>Data Coverage</u> 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>
A1	1/8 - 1/4 Mile North	SW
A2	1/8 - 1/4 Mile North	Varies
A3	1/4 - 1/2 Mile North	NW
5	1/4 - 1/2 Mile NNW	Not Reported
6	1/4 - 1/2 Mile NNE	W
7	1/4 - 1/2 Mile West	Not Reported
8	1/2 - 1 Mile ESE	E
9	1/2 - 1 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>
10	1/2 - 1 Mile NNE	NE
B11	1/2 - 1 Mile NNE	Not Reported
B12	1/2 - 1 Mile NNE	NW
13	1/2 - 1 Mile NNE	Varies
14	1/2 - 1 Mile ESE	W

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

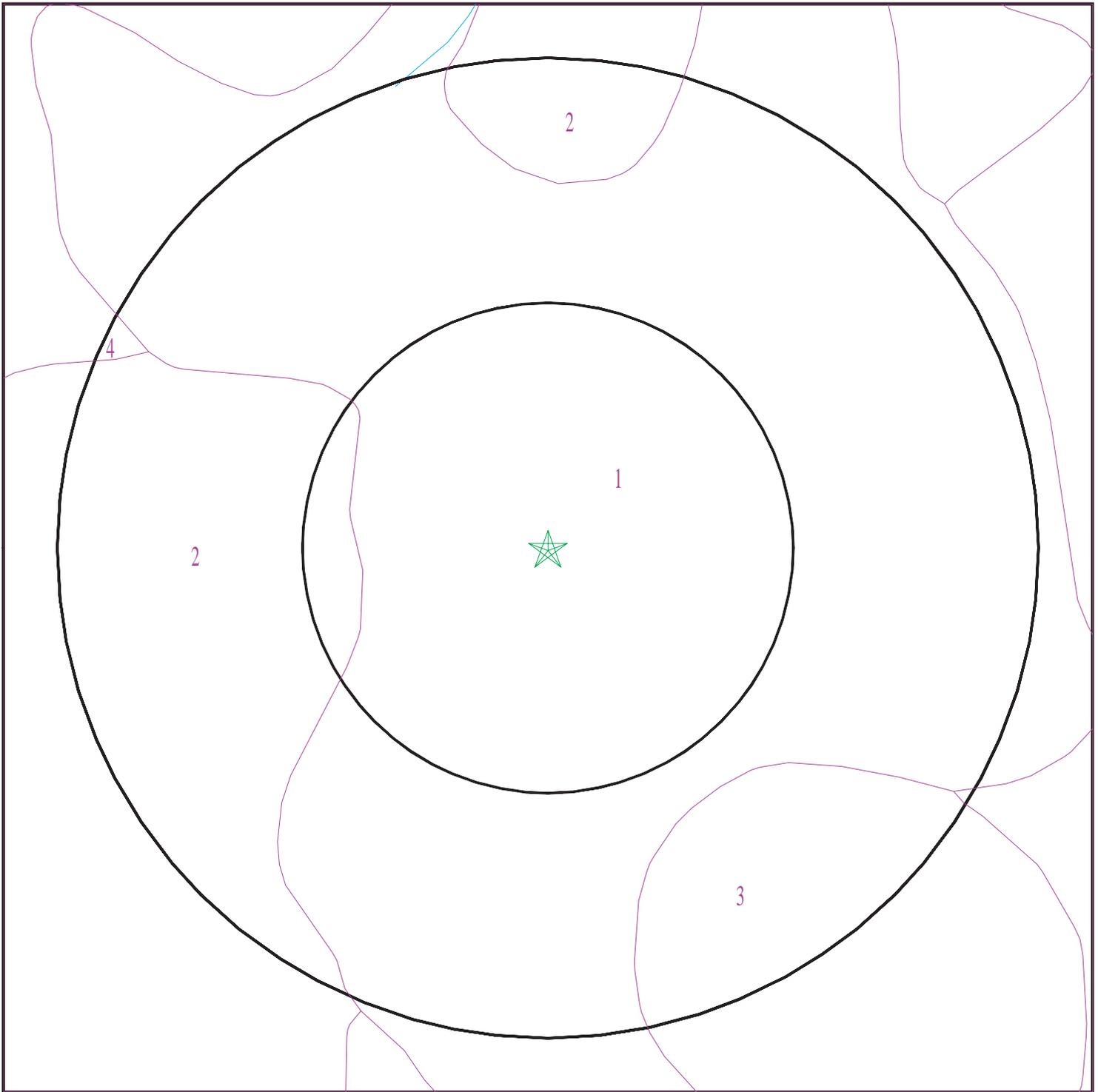
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2528764.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Northgate Mall
ADDRESS: 5800 Northgate Mall
San Rafael CA 94903
LAT/LONG: 38.0052 / 122.5440

CLIENT: AEI Consultants
CONTACT: Deborah Snell
INQUIRY #: 2528764.2s
DATE: June 29, 2009 8:24 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: URBAN LAND

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: SAURIN

Soil Surface Texture: clay loam

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	9 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: SAURIN

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	9 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: XERORTHENTS

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

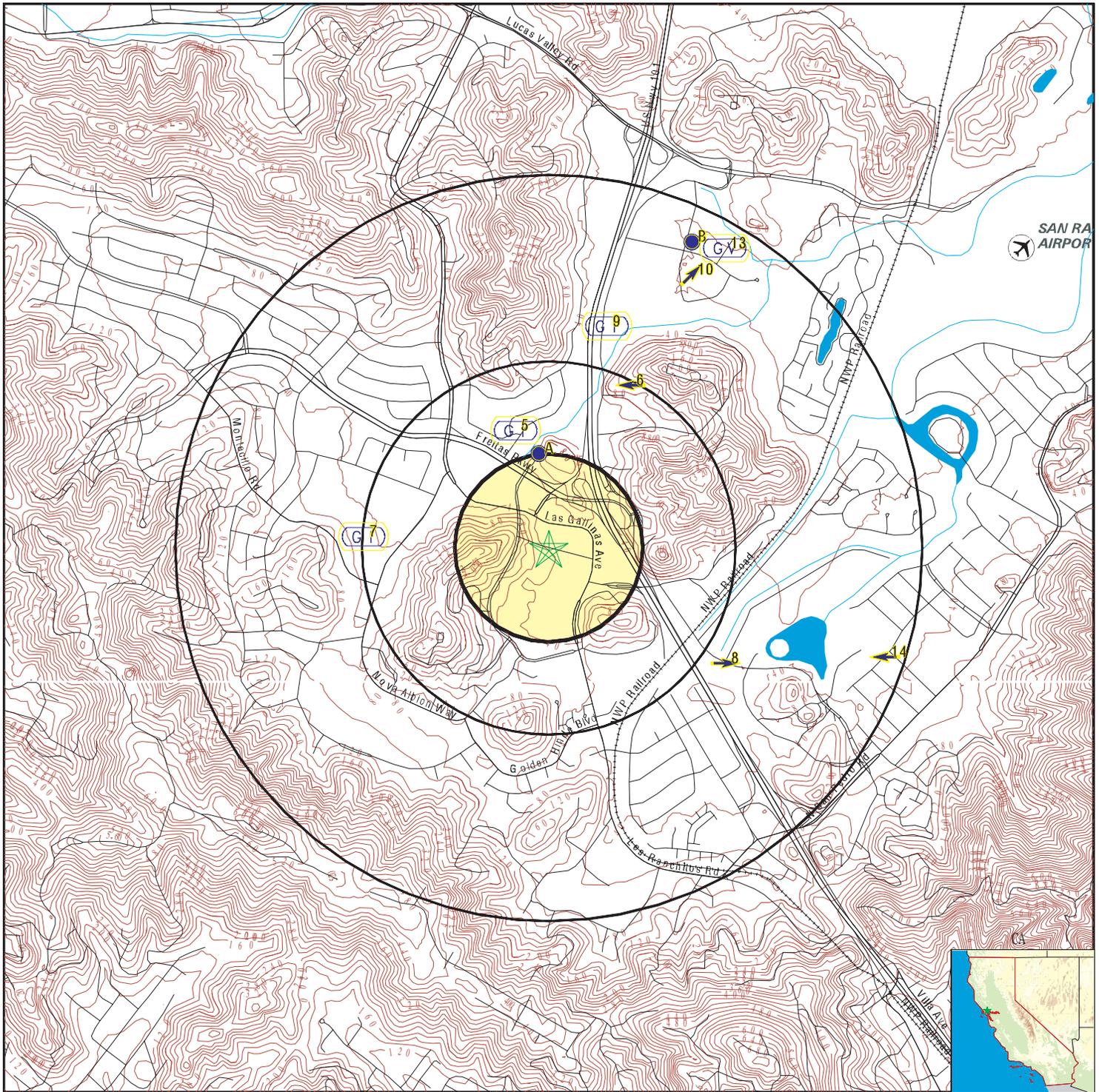
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 2528764.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Northgate Mall
 ADDRESS: 5800 Northgate Mall
 San Rafael CA 94903
 LAT/LONG: 38.0052 / 122.5440

CLIENT: AEI Consultants
 CONTACT: Deborah Snell
 INQUIRY #: 2528764.2s
 DATE: June 29, 2009 8:24 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
A1					
North	Site ID:		Not Reported		
1/8 - 1/4 Mile	Groundwater Flow:		SW	AQUIFLOW	52886
Higher	Shallow Water Depth:		7.21		
	Deep Water Depth:		12.89		
	Average Water Depth:		Not Reported		
	Date:		02/20/1996		
<hr/>					
A2					
North	Site ID:		Not Reported		
1/8 - 1/4 Mile	Groundwater Flow:		Varies	AQUIFLOW	52885
Higher	Shallow Water Depth:		0.16		
	Deep Water Depth:		15.10		
	Average Water Depth:		Not Reported		
	Date:		07/30/1999		
<hr/>					
A3					
North	Site ID:		Not Reported		
1/4 - 1/2 Mile	Groundwater Flow:		NW	AQUIFLOW	52895
Higher	Shallow Water Depth:		4.5		
	Deep Water Depth:		14		
	Average Water Depth:		Not Reported		
	Date:		08/06/1998		
<hr/>					
A4					
North	Site ID:		Not Reported		
1/4 - 1/2 Mile	Groundwater Flow:		Not Reported	AQUIFLOW	52892
Higher	Shallow Water Depth:		10.5		
	Deep Water Depth:		19		
	Average Water Depth:		Not Reported		
	Date:		04/16/1990		
<hr/>					
5					
NNW	Site ID:		Not Reported		
1/4 - 1/2 Mile	Groundwater Flow:		Not Reported	AQUIFLOW	50393
Lower	Shallow Water Depth:		5.00		
	Deep Water Depth:		12.50		
	Average Water Depth:		Not Reported		
	Date:		04/28/1999		
<hr/>					
6					
NNE	Site ID:		Not Reported		
1/4 - 1/2 Mile	Groundwater Flow:		W	AQUIFLOW	52834
Higher	Shallow Water Depth:		Not Reported		
	Deep Water Depth:		Not Reported		
	Average Water Depth:		5		
	Date:		06/1991		
<hr/>					
7					
West	Site ID:		Not Reported		
1/4 - 1/2 Mile	Groundwater Flow:		Not Reported	AQUIFLOW	52891
Higher	Shallow Water Depth:		Not Reported		
	Deep Water Depth:		Not Reported		
	Average Water Depth:		7		
	Date:		10/01/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	21-0071 E Not Reported Not Reported 8.20 12/19/1991	AQUIFLOW	39101
9 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported 6.5 7.5 Not Reported 04/15/1996	AQUIFLOW	52872
10 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NE 6.92 7.62 Not Reported 11/21/1994	AQUIFLOW	50365
B11 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported 7.31 11.07 Not Reported 01/05/1990	AQUIFLOW	52951
B12 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW 4 9 Not Reported 04/29/1995	AQUIFLOW	52867
13 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 3.91 6.60 Not Reported 09/08/1995	AQUIFLOW	50379
14 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 13.5 12/18/1991	AQUIFLOW	50357

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
94903	16	2	12.50

Federal EPA Radon Zone for MARIN County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94903

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.930 pCi/L	80%	20%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation 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.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of 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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

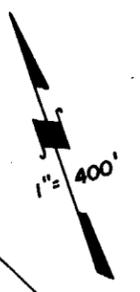
© 2009 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix F:

Miscellaneous Information

Tax Area Code
8-035 8-007
8-036 8-032

175-06



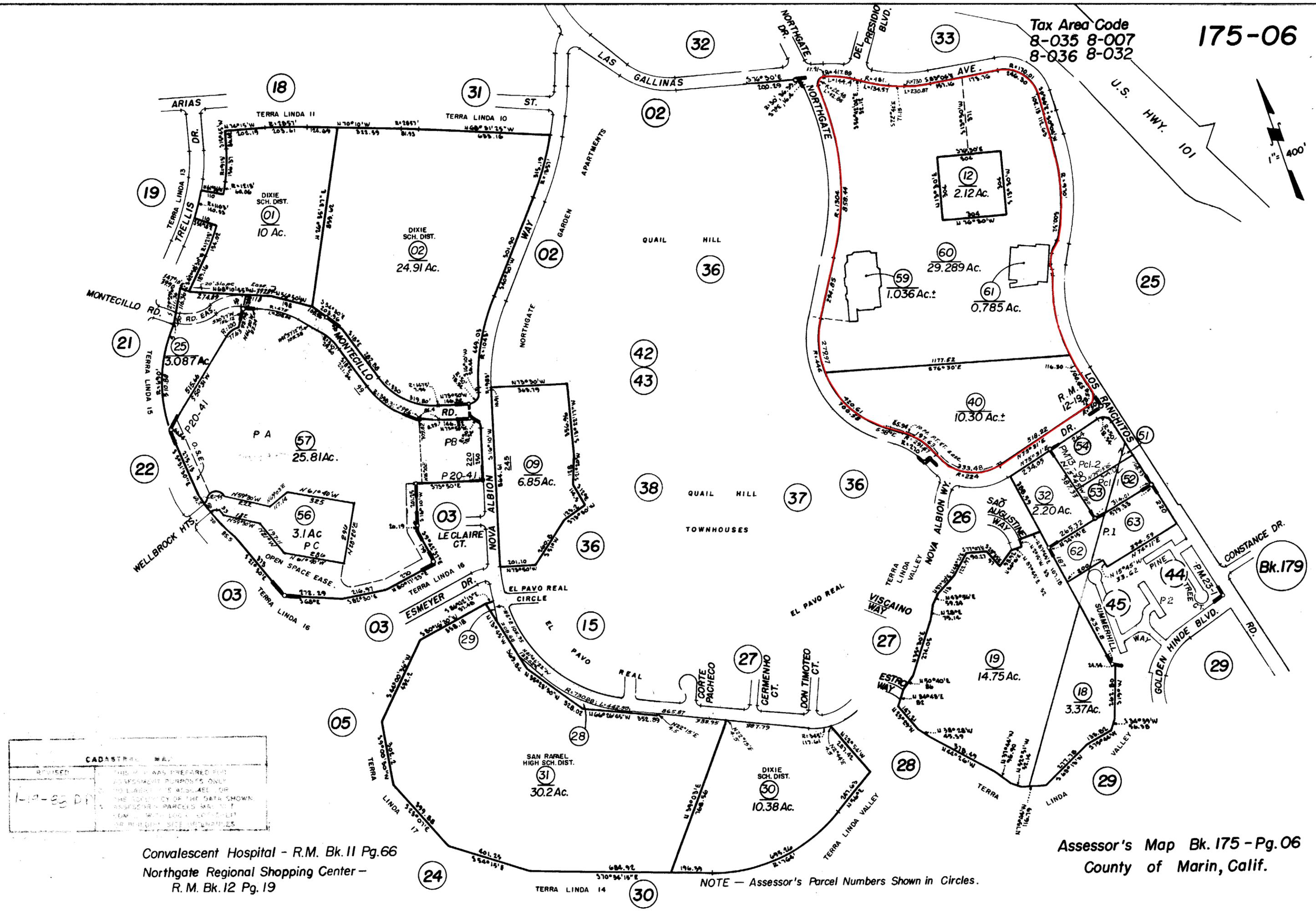
CADASTRAL MAP
APPROVED
1-10-85 DP

THIS MAP WAS PREPARED FOR
ASSESSMENT PURPOSES ONLY
AND IS NOT TO BE USED FOR
ANY OTHER PURPOSES. THE
ACCURACY OF THE DATA SHOWN
HEREON IS NOT GUARANTEED
BY THE COUNTY OF MARIN.

Convalescent Hospital - R.M. Bk. 11 Pg. 66
Northgate Regional Shopping Center -
R. M. Bk. 12 Pg. 19

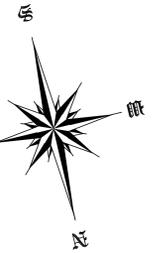
Assessor's Map Bk. 175 - Pg. 06
County of Marin, Calif.

NOTE - Assessor's Parcel Numbers Shown in Circles.



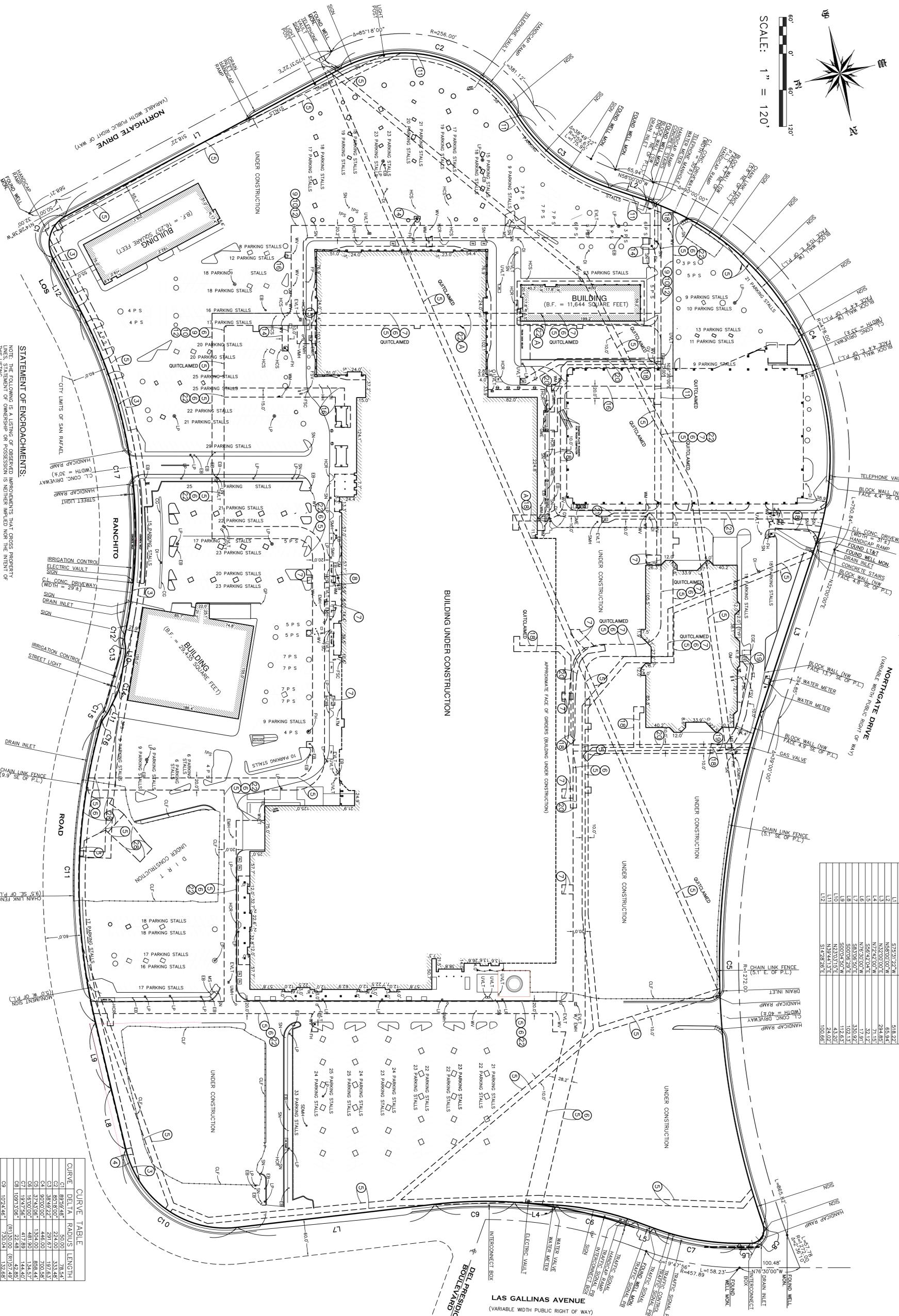
ALTA/ACSM LAND TITLE SURVEY

5000 NORTHGATE MALL, THE MALL AT NORTHGATE,
SAN RAFAEL, CALIFORNIA



SCALE: 1" = 120'

LINE	BEARING	LENGTH
L1	S75°31'27"W	518.22'
L2	N86°00'00"W	65.94'
L3	N32°00'00"E	284.85'
L4	N72°42'00"W	71.15'
L5	N82°30'00"W	17.91'
L6	N82°30'00"E	330.92'
L7	S00°00'29"E	102.13'
L8	S00°04'50"W	112.63'
L9	S00°04'50"W	112.63'
L10	N38°44'13"E	24.02'
L11	N38°44'13"E	24.02'
L12	S12°28'26"E	100.65'



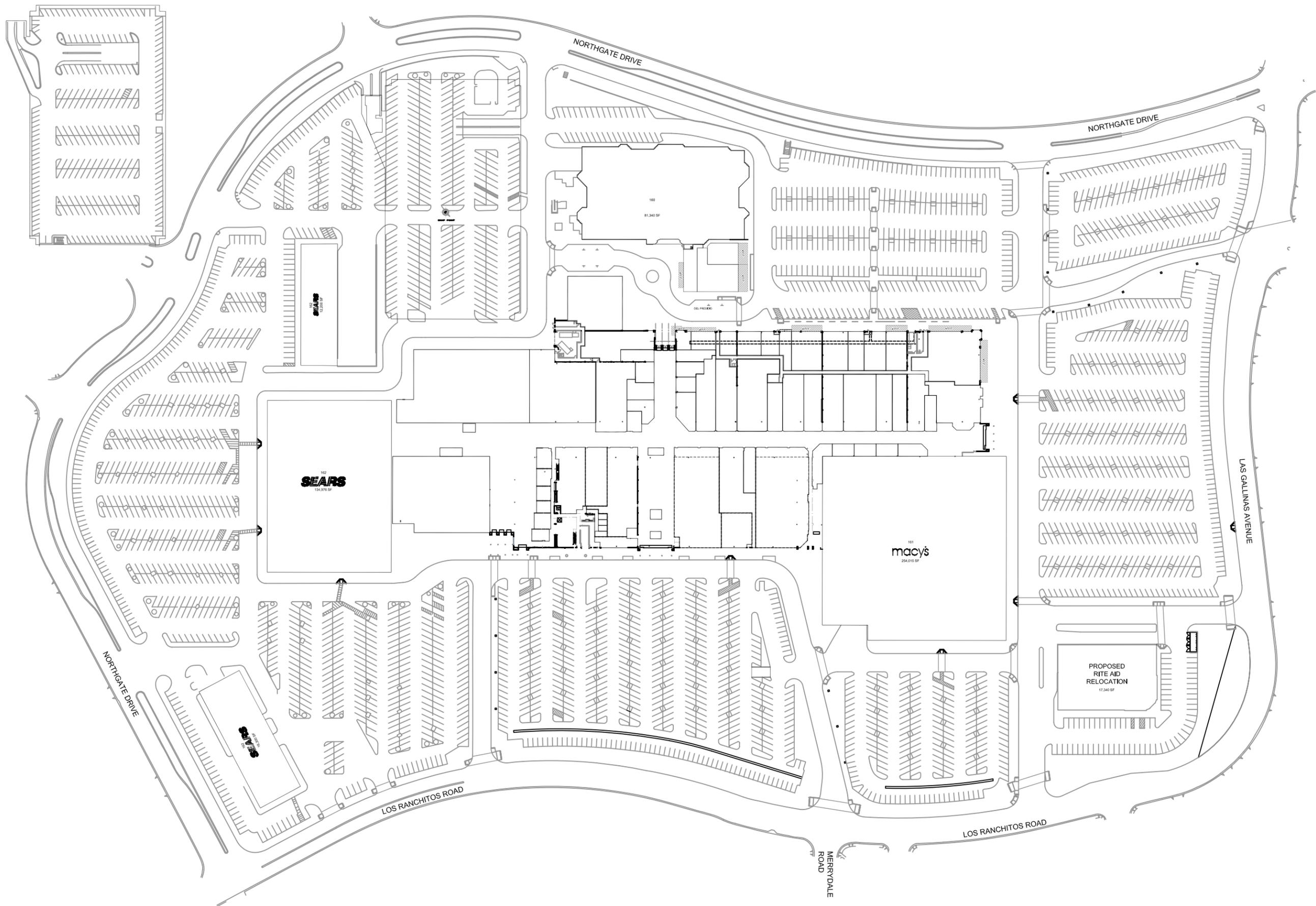
STATEMENT OF ENCROACHMENTS:
NOTE: THE FOLLOWING IS A LISTING OF OBSERVED IMPROVEMENTS THAT CROSS PROPERTY LINES IN VIOLATION OF THE STATEMENT OF OWNERSHIP OR POSSESSION IS NEITHER IMPLIED NOR THE INTENT OF THIS STATEMENT.

- (A) BUILDING LIES OVER SCHEDULE "B" ITEM 18 AND 22.
- (B) CHAIN LINK FENCE LIES BETWEEN 9.5' TO 9.9' SOUTHWESTERNLY OF P.L.

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	88°58'48"	250.00'	78.94'
C2	58°18'22"	231.67'	137.63'
C3	58°18'22"	231.67'	137.63'
C4	90°00'00"	446.00'	700.98'
C5	37°43'08"	1304.00'	898.44'
C6	18°00'00"	481.90'	134.97'
C7	18°00'00"	481.90'	134.97'
C8	108°13'06"	22.48'	42.45'
C9	102°24'48"	730.04'	132.68'
C10	83°00'21"	710.01'	246.35'
C11	83°00'21"	710.01'	246.35'
C12	2°24'45.98"	32.00'	13.73'
C13	21°46'28"	148.00'	18.83'
C14	18°00'00"	100.00'	29.12'
C15	18°00'00"	100.00'	29.12'
C16	23°27'17"	42.00'	17.19'
C17	40°20'00"	780.00'	549.08'

SHEET 2 OF 2	SCALE: 1" = 60' DATE: 07/31/09	ALTA/ACSM LAND TITLE SURVEY	JRN CIVIL ENGINEERS	REVISIONS
FILE NO. 10310	DRAWN BY: JFC/IZ CHKD. BY: JLM	ADDRESS: 5000 NORTHGATE MALL, THE MALL AT NORTHGATE, SAN RAFAEL, CALIFORNIA CLIENT: MACERICH	232 AVENIDA FABRICANTE, STE. 107 SAN CLEMENTE, CA 92672 (949) 248-4685 FAX (949) 248-4687	



Mall Address:
THE MALL AT NORTHGATE
 5800 Northgate Drive
 San Rafael, CA 94903
 Phone: (415) 479-5956
 Fax: (415) 479-3608

For Leasing
 Information Contact:
Kim Choukalas
Peggy Walser
 Restaurant
Greg Cochran
 MACERICH
 11411 N. Tatum Blvd.
 Phoenix, AZ 85028
 Phone: (602) 953-6200
 Fax: (602) 953-1964
 or
Erin Byrne
 MACERICH
 2150 Northgate Mall
 San Rafael, CA 94903
 Phone: (415) 507-9754
 Fax: (415) 507-9759

Note:
 This is a schematic plan only
 intended to show the general
 layout of the shopping center or
 part thereof.

LAST UPDATED: 01.23.09
 BY: MH



visit our web site at
www.macerich.com

**DEVELOPMENT
 SITE PLAN**



NOTE: SITE PLAN WAS UPDATED FROM CIVIL DRAWINGS ISSUED 07.29.08

VIA CERTIFIED MAIL
P 995 749 312

"We Make Good
Things Happen"

November 25, 1992

Vice President
SEARS, ROEBUCK AND CO.
2650 E. Olympic Blvd.
Los Angeles, CA 90054

Re: Sears
NORTHGATE MALL
San Rafael, California

Dear Sir/Madam:

It has come to our attention that Sears was the owner of two underground gasoline storage tanks and one underground waste oil tank on your premises and that those tanks had the potential for leaking toxic substances into the environment. It is our understanding that all of those tanks have been removed by Sears.

We hereby request that you provide the following information to the undersigned as soon as possible:

- 1) Results of all soil and groundwater tests already complete, if any.
- 2) What is the current status of the tanks? (It is our understanding that Sears removed two 12,000 gallon gasoline storage tanks and a waste oil tank). Please confirm that all tanks have been removed.

Since Sears has the responsibility to assure compliance with applicable environmental laws with regard to these tanks, including any removal or cleanup required, and since there is significant potential liability resulting from environmental damage, your response to the above referenced questions is requested as soon as possible.

Your cooperation is appreciated. If you have any questions, please feel free to contact me.

Sincerely,

THE MACERICH COMPANY



Robert D. Aptaker
Environmental Manager
Assistant Vice President

RDA/mo

cc: Patrick Prinster
Henry Lichtman

Sears, Roebuck and Co.
925 S. Homan Ave.
Chicago, ILL 60607

The MaceRich Company

P.O. BOX 3879, VENTURA, CA 93006, (805) 650-0589



H.E. Schmalz
Director of Environmental Matters
Dept. 824C A 72A
Sears Merchandise Group
3333 Beverly Road
Hoffman Estates, Illinois 60179
708-286-8071

RECEIVED
VENTURA
AUG 23 1993

August 19, 1993

Mr. Robert D. Aptaker
Environmental Manager
The MaceRich Company
P.O. Box 3879
Ventura, CA 93006

*** VIA FAX ***

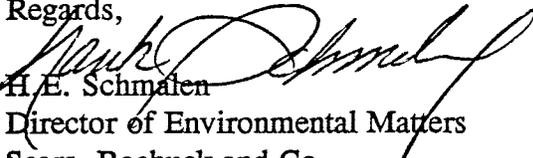
subj: Sears #1528 San Rafael, CA - UST Removal

Dear Bob,

In as much as Sears is currently in negotiation with MaceRich on several projects in California (i.e. Oxnard and Reno) and in that same spirit of cooperation, the following information about the Underground Storage Tanks that were removed in 1986 at our store in San Rafael is attached. You will note that the "Clearance" report from the Department of Health and Human Services (March 2, 1987) shows the samples at the site at a safe level or free from any residual product formerly stored. I know that this comes as good news and should help expedite your endeavors.

If I can answer any further questions Bob, don't hesitate to call.

Regards,


H.E. Schmalz
Director of Environmental Matters
Sears, Roebuck and Co.

att (3)

cc: Szymczak
Krantz

DEPARTMENT OF HEALTH AND HUMAN SERVICES

R-8519 #157

Environmental Health Services

COUNTY OF MARIN

Hall of Justice • Civic Center • San Rafael, CA 94903

(415) 499-6907

DATE: March 2, 1987

TO:

Attn: Donald Woods
Sears & Roebuck Company

Merchandise Group-Western Law Office

900 South Fremont Ave.

Alhambra, CA 91802

RE: San Rafael Store

900 Northgate Mall

San Rafael, CA 94903

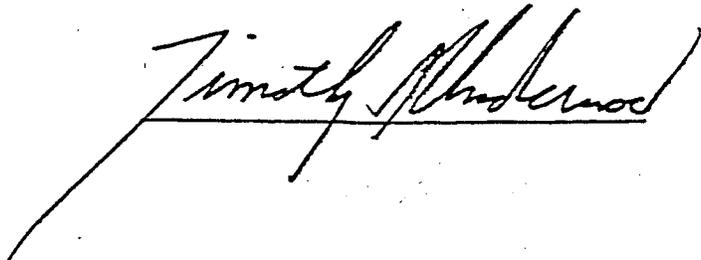
CLEARANCE

Analysis of samples of the soil or ground water at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks at this location.

Thank you for your cooperation.

Very truly yours,

EDWARD J. STEWART, CHIEF
ENVIRONMENTAL HEALTH SERVICES



DEPARTMENT OF HEALTH AND HUMAN SERVICES
Environmental Health Services
COUNTY OF MARIN
Hall of Justice • Civic Center • San Rafael, CA 94903
(415) 499-6907

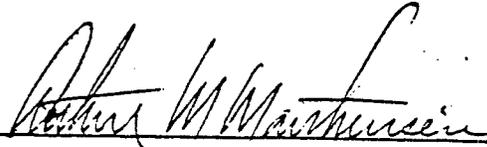
PERMIT TO REMOVE UNDERGROUND STORAGE TANK

TO <u>Sears, Roebuck and Company</u> <u>Attn: Donald Woods</u> <u>Merchandise Group-Western Law Office</u> <u>900 South Fremont Ave.</u> <u>Alhambra, CA 91802</u>	NAME OF FACILITY <u>San Rafael Store</u> ADDRESS <u>9000 Northgate Mall</u> <u>San Rafael, CA 94903</u>
NO. OF TANKS TO BE REMOVED <u>3</u>	

TANK ID#(S) 2929001,002, 003

PURSUANT TO THE CALIFORNIA ADMINISTRATIVE REGULATIONS, PERMISSION IS GRANTED TO REMOVE UNDERGROUND STORAGE TANKS AT THE ABOVE LOCATION WITH THE FOLLOWING CONDITIONS:

1. ALL STORED MATERIAL TO BE REMOVED.
2. TANK PURGED OF FLAMMABLE VAPORS.
3. PROPER DISPOSAL OF THE TANK.

SIGNED 

DATE August 5, 1986

cc: K. Schoenthal, San Rafael Fire Dept.
K.E. Curtis Construction Co.



COUNTY OF MARIN
HALL OF JUSTICE
CIVIC CENTER
ROOM 285
SAN RAFAEL, CALIFORNIA 94903
(415) 499-6907

RECEIVED

#265.021

AUG 5 1986

#464035

86

ENVIRONMENTAL HEALTH SERVICES

APPLICATION TO REMOVE
UNDERGROUND HAZARDOUS MATERIAL STORAGE TANK ENVIRONMENTAL HEALTH

1. Facility Information

Name of Facility SEARS		Type of Business AUTOMOTIVE & RETAIL SALES	
Street Address 9000 NORTHGATE MALL	City SAN RAFAEL	Zip Code 94903	Telephone 472-3670
Contract Period MID AUGUST 1986		Position with Company ANALYTICAL CHEMIST	Telephone (805) 498-6771
Owners Name (Corporation, Agency, or Individual) SEARS & ROEBUCK COMPANY			
Street Address (if Different than Above) 900 S. FREMONT AVE.		City ALHAMBRA	Zip Code 91802
		Telephone (818) 576-4225	

2. Contractor Removing Tank

Company Name K.E. CURTIS CONSTRUCTION COMP.	Street Address 1400 OLD CONEJO RD	City NEWBURY PARK	Telephone (805) 499-0428
<i>CA. 92660</i>			

3. Soil Analysis Laboratory

Company Name COMBUSTION ENGINEERING EMST	Street Address 2421 W. HILLCREST DR	City NEWBURY PARK	Telephone (805) 498-6771
<i>CA.</i>			

4. Hazardous Waste Hauler (if appropriate)

Company Name IT CORP.	Street Address 4585 PACHECO	City MARTENIZ	Telephone (415) 372-9110
---------------------------------	---------------------------------------	-------------------------	------------------------------------

5. Tank Identification & Construction

Tank ID # 2929002	UL # - NA -	Year Tank Installed 1972	Volume of Tank (Gallon) 2-500, 1-1000	Cathodic Protection <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, Type _____
Primary Construction <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Fiberglass/Coated Steel <input type="checkbox"/> Other: SINGLE WALL				

6. Chemical Composition of Materials Currently or Previously Stored in Tank

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		WASTE OIL BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		WASTE OIL BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		WASTE OIL

7. Piping

A. Aboveground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

B. Underground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

8. Disposition of Tank(s)

Proposed Disposition of Tank(s) IT WILL REMOVE, RINSE & TANK SCRAPPED	Reason for Removal NO LONGER IN THAT SALES BUSINESS
---	---

9. Applicant Information

Name of Applicant MARK GIGAS	Signature of Applicant <i>Mark Gigas</i>	Date 8/4/86
--	---	-----------------------



H.E. Schmalen
Director of Environmental Matters
Dept. 824C 72A
Sears Merchand. Group
3333 Beverly Road
Hoffman Estates, Illinois 60179
708-286-8071

September 13, 1993

Mr. Robert D. Aptaker
Environmental Manager
The MaceRich Company
P.O. Box 3879
Ventura, CA 93006

RECEIVED
VENTURA

SEP 13 1993

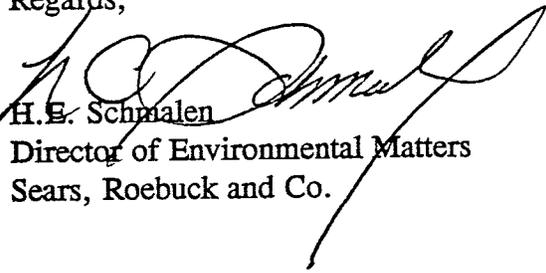
subj: Sears Park Lane Mall, Reno NV
re: Your letter of September 10, 1993
Our phone conversation this date

Dear Bob,

As I indicated in our phone conversation this afternoon, the attached invoices are the only "records" that we have of the tank pulls at this site. As you know, back in 1986 was not atypical for our individual regions at that time to take care of these UST's and complete records are usually not available here.

I hope that this helps with your lenders. If I can be of any further assistance Bob, don't hesitate to call.

Regards,


H.E. Schmalen
Director of Environmental Matters
Sears, Roebuck and Co.

att (2)
cc: Szymczak
Krantz

1375 EAST SECOND ST. LAS VEGAS, NEVADA 89502-1196 * TELEPHONE (702) 322-4000



"SINCE 1946"
PETROLEUM MARKETING EQUIPMENT
SALES AND SERVICE
GENERAL CONTRACTORS
INDUSTRIAL EQUIPMENT AND TOOLS

SHIPPING No. 25498

SOLD TO SEARS, ROEBUCK & CO.
200 EAST PLUMAS AVE
HELEN, NV. 89502

SHIPPED TO ST. NO. 2098
HELEN, NV.

ATTN: E. NEIL DRESBACH

DATE OF ORDER	DATE OF INVOICE	CUSTOMER ORDER NO	REQUISITION NO	RESALE	SALESMAN	SHIP TO	LIST	NET	AMOUNT
5-14-84	8-11-84	CONTRACT		<input type="checkbox"/>	J.W.T.	DELIVER			
ORDERED	SHIPPED	B.O.	DESCRIPTION						
			REMOVAL OF UNDERGROUND OIL						
			STORAGE TANKS AS PER CONTRACT.						
			AS PER CONTRACT						7750 ⁰⁰
			90% OF 7750 ⁰⁰						6975 ⁰⁰
			10% OF 7750 ⁰⁰						775 ⁰⁰
									7750 ⁰⁰

NO DISCOUNT. ALL ACCOUNTS ARE DUE AND PAYABLE BY THE 10th OF THE MONTH FOLLOWING DATE OF INVOICE.
FINANCE CHARGE OF 1 3/4% PER MONTH WHICH IS AN ANNUAL PERCENTAGE RATE OF 21% AFTER 30 DAYS.

SUB TOTAL

SALES TAX

INCLUDED

TOTAL

7750⁰⁰

PLEASE PAY FROM INVOICE STATEMENT SENT ONLY ON REQUEST



October 15, 2002

Captain Bradley R. Mark, Deputy Fire Marshal
City of San Rafael Fire Department
1039 C Street
San Rafael, California 94901

**Subject: Sears, Roebuck and Co. Automotive Center No. 1528
9000 Northgate Mall
San Rafael, California**

Dear Captain Mark:

On behalf of Sears, Roebuck and Co. (Sears), URS Corporation (URS) is responding to comments made regarding the subject site in correspondence from the San Rafael Fire Department (SRFD) dated November 16, 1999. The letter requested that Sears submit specific historical site documents so that the review for site closure could be completed by the SRFD. Copies of the following documents are attached for your files (the SRFD document request is in bold type, the URS comment follows in italics):

- **Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530-gallon bulk oil USTs**

A copy of the document is presented in Attachment 1. (Note: the two smaller bulk oil USTs were 500-gallons capacity rather than 530-gallon capacity.)

- **Laboratory analytical reports for UST closure samples collected in 1987 (laboratory unknown)**

A copy of the laboratory analytical report was not found. However, a copy of the Clearance document from the Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987, is presented in Attachment 2.

- **Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to Remat thermal processing facility in Buckeye, Arizona in 1995.**

A copy of the Waste Manifest document, dated August 1995, is presented in Attachment 3.

As per our telephone discussion on August 14, 2002, Sears has checked their files for the remaining two historical site documents requested in the SRFD letter (laboratory analytical reports dated March 7, 1985 and March 25, 1985) and have not located them. To date, Sears has researched its files and has found what it could to respond to all requests made by the SRFD for additional historical information regarding the 1985 and 1987 removal activities conducted at the subject site. It must be understood that there was no requirement for Sears to retain historical documents for these removal activities since Sears had received site closure for these activities from the County of Marin.

The November 16, 1999 SRFD letter also requested that Sears provide a sensitive receptor report for the subject site as an additional requirement for site closure. A copy of the EDR – Offsite Receptor Report for the subject site, dated November 12, 1999, is provided in Attachment 4

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510 893 3600
Fax: 510 874 3268



Captain Mark
October 15, 2002
Page 2

Please note that in the first paragraph of the November 16, 1999 SRFD letter it states that "... remediation activities associated with the removal of eight underground storage tanks (USTs)..." For the record, there were a total of five (5) underground storage tanks located at the subject site: two (2) gasoline tanks, one (1) waste oil tank, and two (2) bulk motor oil tanks.

Please provide a copy of the Deed Notification Form so that Sears can complete and return them. It is understood that this form must be completed prior to obtaining site closure.

As requested by the SRFD, a Work Plan is presently being written which will address the requirement of additional soil and groundwater sampling and analysis for Methyl tertiary butyl ether (MTBE) at the subject site. Please note that URS is the new consultant of record for Sears regarding this site. If you have any questions, please do not hesitate to contact me at 510-874-3101.

Sincerely,
URS CORPORATION

David A. Bero, P.G., R.G.
Senior Geologist

cc: Scott DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co.
URS Corporation Project Files

Attachments:

1. Application to Remove Underground Hazardous Material Storage Tank
2. Clearance document, Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987
3. Waste Manifest dated August 1995
4. EDR – Offsite Receptor Report dated November 1999.

ATTACHMENT 1
Application to Remove Underground Hazardous Material Storage Tank



ENVIRONMENTAL HEALTH SERVICES

COUNTY OF MARIN
HALL OF JUSTICE
CIVIC CENTER
ROOM 285
SAN RAFAEL, CALIFORNIA 94903
(415) 499-6907

RECEIVED

AUG 5 1986

APPLICATION TO REMOVE
UNDERGROUND HAZARDOUS MATERIAL STORAGE TANK

ENVIRONMENTAL HEALTH

#464035
JE

1. Facility Information

Name of Facility SEARS		Type of Business AUTOMOTIVE & RETAIL SALES		
Street Address 9000 NORTHGATE MALL	City SAN RAFAEL	Zip Code 94903	Telephone 472-3670	
Contract Period MID AUGUST 1986		Position with Company ANALYTICAL CHEMIST		Telephone (805) 498-6771
Owners Name (Corporation, Agency, or Individual) SEARS & ROEBUCK COMPANY				
Street Address (If Different than Above) 900 S. FREMONT AVE.		City ALHAMBRA	Zip Code 91802	Telephone (818) 576-4225

2. Contractor Removing Tank

Company Name K.E. CURTIS CONSTRUCTION COMP.	Street Address 1400 Old Conejo Rd	City Newbury Park	Telephone (805) 499-0428
---	---	-----------------------------	------------------------------------

3. Soil Analysis Laboratory

Company Name COMBUSTION ENGINEERING EMST	Street Address 2421 W. Hillcrest Dr	City Newbury Park	Telephone (805) 498-6771
--	---	-----------------------------	------------------------------------

4. Hazardous Waste Hauler (if appropriate)

Company Name IT CORP.	Street Address 4585 Pacheco	City MARTINEZ	Telephone (415) 372-9110
---------------------------------	---------------------------------------	-------------------------	------------------------------------

5. Tank Identification & Construction

Tank ID 2929002	UL # - NA -	Year Tank Installed 1972	Volume of Tank (Gallon) 2-500, 1-1000	Cathodic Protection <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, Type _____
Primary Containment <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Fiberglass/Coated Steel <input type="checkbox"/> Other: SINGLE WALL				

5. Chemical Composition of Materials Currently or Previously Stored in Tank

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		BULK WASTE OIL
<input type="checkbox"/> 01	<input checked="" type="checkbox"/> 02		WASTE OIL

7. Piping

A. Aboveground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

B. Underground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction
 ((Check) appropriate box(es)) 06 Unknown 07 None

8. Disposition of Tank(s)

Proposed Disposition of Tank(s) IT WILL REMOVE, RINSE & TANK SCRAPED	Reason for Removal NO LONGER IN THAT SALES BUSINESS
--	---

9. Applicant Information

Name of Applicant MARK GIGAS	Signature of Applicant <i>Mark Gigas</i>	Date 01/1/01
--	---	------------------------

ATTACHMENT 2
Clearance document, Department of Health and Human Services, Environmental
Health Services, County of Marin, dated March 2, 1987

DEPARTMENT OF HEALTH AND HUMAN SERVICES

K-8512 = 12

Environmental Health Services

COUNTY OF MARIN

Hall of Justice • Civic Center • San Rafael, CA 94903

(415) 499-6907

DATE: March 2, 1987

TO:

Attn: Donald Woods
Sears & Roebuck Company

Merchandise Group-Western Law Office

900 South Fremont Ave.

Alhambra, CA 91802

RE: San Rafael Store

900 Northgate Mall

San Rafael, CA 94903

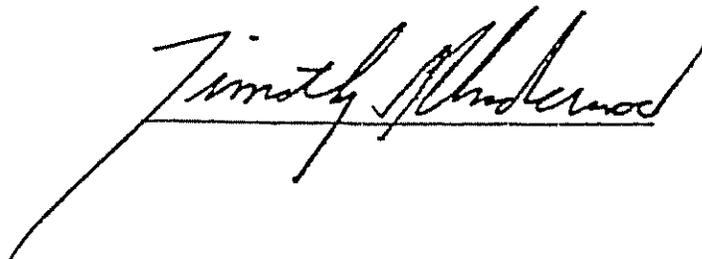
CLEARANCE

Analysis of samples of the soil or ground water at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks at this location.

Thank you for your cooperation.

Very truly yours,

EDWARD J. STEWART, CHIEF
ENVIRONMENTAL HEALTH SERVICES



ATTACHMENT 3
Laboratory analytical reports for UST closure samples collected in 1987

WASTE MANIFEST

Manifest Document No. 000002 Page 1 of 1

3. Generator's Name and Mailing Address
SEARS AUTO CENTER #1528
8000 Northgate Mall
San Rafael, CA

4. Generator's Phone (415) 507-2399

6. Transporter 1 Company Name
Allwaste Transportation & Remediation C.A.D.O. 6.3.5.4.7.9.0.6
US EPA ID Number

7. Transporter 2 Company Name
US EPA ID Number

9. Designated Facility Name and Site Address
RE-MIX
830 North Miller
Buckeye, AZ

10. US EPA ID Number
A. Transporter's Phone 800-321-1030
B. Transporter's Phone
C. Facility's Phone 520-571-7174

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit We/Vol
	No.	Type		
A. Non-Hazardous Soil	00103	DRUM		
B.				
C.				
D.				

D. Additional Descriptions for Materials Listed Above
E. Handling Codes for Wastes Listed Above

15. Special handling instructions and Additional information:
Use proper P.P.E. and eyewear.
24-Hour Emergency Contact: Steven Soarez - 500/321-1030

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to special regulations for handling, storage, or disposal of Hazardous Waste.
Printed/Typed Name: BRAD AMST
Signature: [Signature]
Month Day Year: 10 25 95

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Ruben Macana
Signature: [Signature]
Month Day Year: 10 25 95

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

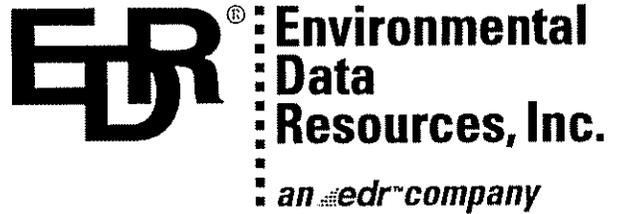
19. Discrepancy Indication: Space

20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in item 19.
Printed/Typed Name:
Signature: [Signature]
Month Day Year: 10 25 95

GENERATOR
TRANSPORTER
FACILITY

TRANSPORTER #1
TEL: 520-571-7230
SOUTHWEST SOIL

ATTACHMENT 4
EDR – Offsite Receptor Report dated November 1999



EDR - Offsite Receptor Report

Sears Auto Center
9000 Northgate Drive
San Rafael, CA 94903

Inquiry Number: 432527.1s

November 12, 1999

The Source
For Environmental
Risk Management
Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	2
Census Map	3
Census Findings	4
Receptor Map	5
Map Findings	6
Records Searched/Data Currency Tracking Addendum	9

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

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc (EDR) The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R "The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e. the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."

The address of the subject property, for which the search was intended, is:

SEARS AUTO CENTER
9000 NORTHGATE DRIVE
SAN RAFAEL, CA 94903

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY

An X indicates the presence of the receptor within the search radius.

Residential Population

Estimated population within search radius: 6777 persons.

Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	<input checked="" type="checkbox"/>	6
Medical Centers:	<input type="checkbox"/>	
Nursing Homes:	<input checked="" type="checkbox"/>	4
Schools:	<input checked="" type="checkbox"/>	10
Hospitals:	<input type="checkbox"/>	
Arena:	<input type="checkbox"/>	
Prison:	<input type="checkbox"/>	

Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:	<input type="checkbox"/>	

CENSUS MAP - 432527.1s



- ★ Target Property
- ∩ Roads
- ∩ Waterways
- ∩ Census Tracts

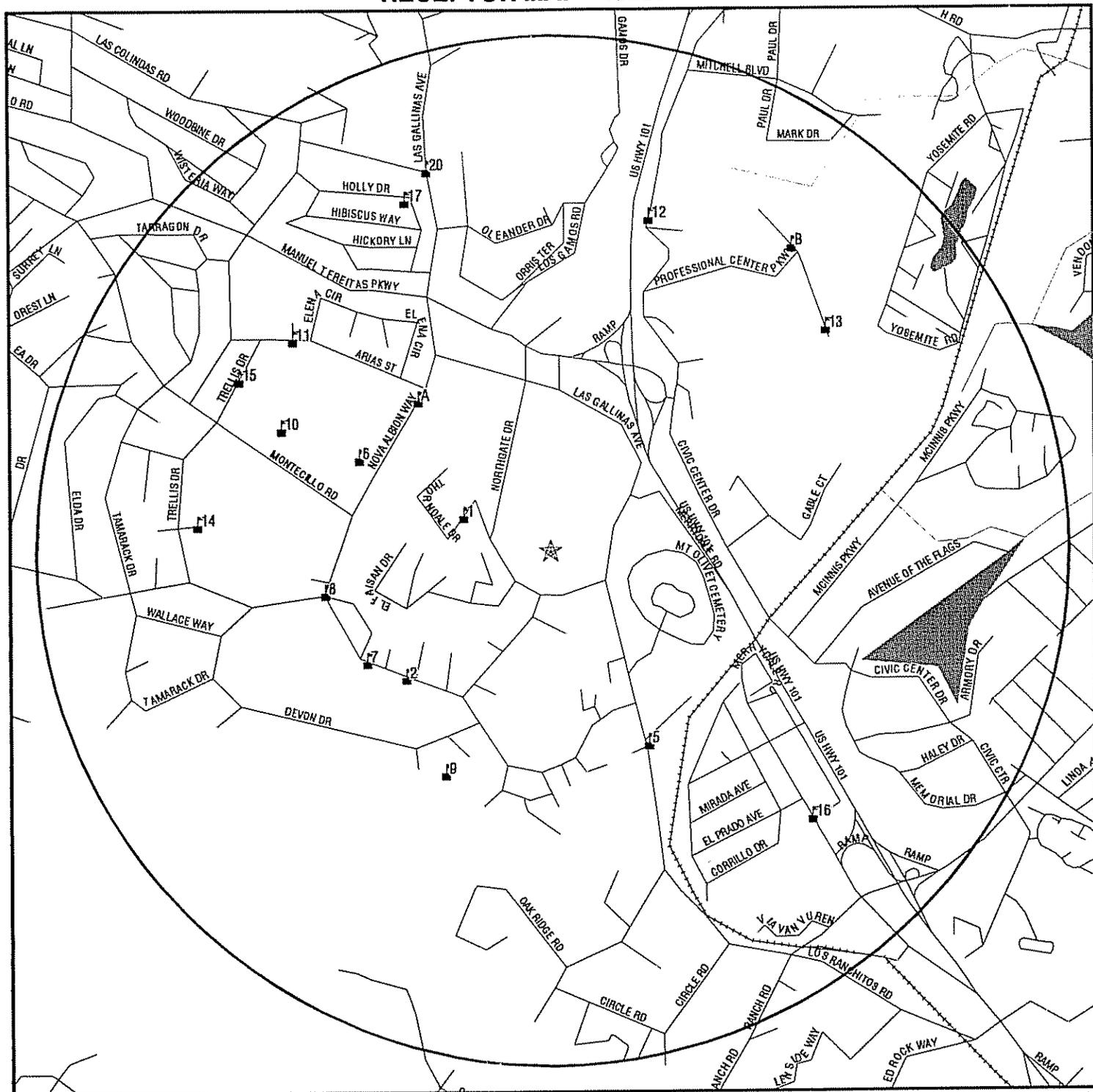


TARGET PROPERTY: Sears Auto Center ADDRESS: 9000 Northgate Drive CITY/STATE/ZIP: San Rafael CA 94903 LAT/LONG: 38.0040 / 122.5437	CUSTOMER: IT Corporation CONTACT: David Bero INQUIRY #: 432527.1s DATE: November 12, 1999 4:54 pm
--	--

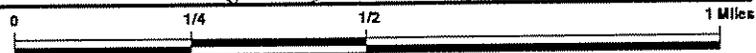
CENSUS FINDINGS

<u>Map ID</u>	<u>Tract Number</u>	<u>Total Population</u>	<u>Population in Radius</u>	<u>Total Area(sq mi.)</u>	<u>Area in Radius(sq mi.)</u>
T1	1060.01	2598	75.3	17.09	0.50
T2	1150.00	6817	16.2	4.30	0.01
T3	1081.00	6566	1265.1	2.33	0.45
T4	1060.02	4773	192.3	9.61	0.39
T5	1082.00	5606	5034.2	1.93	1.74
T6	1090.00	7358	193.8	1.79	0.05

RECEPTOR MAP - 432527.1s



- ★ Target Property
- Roads
- Waterways
- Environmental or Public Receptor
- Federal Lands Linear Features
- Federal Lands Area



TARGET PROPERTY: ADDRESS: Sears Auto Center CITY/STATE/ZIP: 9000 Northgate Drive San Rafael CA 94903 LAT/LONG: 38.0040 / 122.5437	CUSTOMER: IT Corporation CONTACT: David Bero INQUIRY #: 432527.1s DATE: November 12, 1999 4:56 pm
--	--

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
1 WNW 1/8-1/4 mi 972 Higher	Name: Villa Marin Health cAre ID: 15298 Site Type: Nursing home	NUR1004726 NURHOM
2 SW 1/4-1/2 mi 1971 Higher	Name: TERRA LINDA NURSERY SCHOOL ID: 210106082 Site Type: Daycare ctr	DAY1036110 DAYCARE
A3 NW 1/4-1/2 mi 2071 Higher	Name: CITY OF SAN RAFAEL/VALLECITO SCHOOL AGE ID: 210110892 Site Type: Daycare ctr	DAY1036086 DAYCARE
A4 NW 1/4-1/2 mi 2077 Higher	Name: VALLECITO ELEMENTARY NCES ID: 061122008822 Address: 50 NOVA ALBION WAY SAN RAFAEL, CA 94903 School ID: 7791 Telephone: 415-479-2032 Local Code: Urban Fringe of Large City School Type: Regular Elementary and Secondary Schools School Level: Primary County: MARIN Lowest Grade: Kindergarten Highest Grade:05	061122008822 CCD
5 SSE 1/4-1/2 mi 2196 Higher	Name: Hartzell School ID: 224985 Site Type: school Latitude: 37.99900 Longitude: -122.50000	GNS0189412 GNIS_SCH
6 WNW 1/4-1/2 mi 2199 Higher	Name: Vallecito School ID: 236960 Site Type: school Latitude: 38.00700 Longitude: -122.60000	GNS0237219 GNIS_SCH

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
7 WSW 1/4-1/2 mi 2204 Higher	Name: TERRA LINDA HIGH NCES ID: 063511005941 Address: 320 NOVA ALBION WAY SAN RAFAEL, CA 94903 School ID: 7835 Telephone: 415-485-2370 Local Code: Urban Fringe of Large City School Type: Regular Elementary and Secondary Schools School Level: High County: MARIN Lowest Grade: 09 Highest Grade: 12	063511005941 CCD
8 West 1/4-1/2 mi 2364 Higher	Name: Nazareth House ID: 15302 Site Type: Nursing home	NUR1004728 NURHOM
9 SSW 1/4-1/2 mi 2513 Higher	Name: Nova Albion School ID: 229799 Site Type: school Latitude: 37.99800 Longitude: -122.50000	GNS0211561 GNIS_SCH
10 WNW 1/2-1 mi 3052 Higher	Name: Don Timoteo School ID: 222491 Site Type: school Latitude: 38.00800 Longitude: -122.60000	GNS0178194 GNIS_SCH
11 NW 1/2-1 mi 3432 Higher	Name: ST ISABELLA SCHOOL ID: 1032 Site Type: Private sch.	PRV1005620 PRV_SCH
12 NNE 1/2-1 mi 3563 Higher	Name: MONTESSORI IN MOTION ID: 210111602 Site Type: Daycare ctr	DAY1036075 DAYCARE
13 NE 1/2-1 mi 3623 Higher	Name: TWIN OAKS CHILDREN'S CENTER-PRESCHOOL ID: 213000472 Site Type: Daycare ctr	DAY1036082 DAYCARE

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	EDR ID Database
14 West 1/2-1 mi 3637 Higher	Name: ROBIN'S NEST OF TERRA LINDA ID: 210108299 Site Type: Daycare ctr	DAY1036101 DAYCARE
15 WNW 1/2-1 mi 3663 Higher	Name: ST MARK S SCHOOL ID: 1033 Site Type: Private sch	PRV1005621 PRV_SCH
16 SE 1/2-1 mi 3807 Higher	Name: MERRY TIMES PRESCHOOL ACADEMY ID: 210111422 Site Type: Daycare ctr	DAY1036128 DAYCARE
17 NNW 1/2-1 mi 3897 Higher	Name: Hoffman School ID: 225386 Site Type: school Latitude: 38.01400 Longitude: -122.50000	GNS0191085 GNIS_SCH
B18 NE 1/2-1 mi 3983 Higher	Name: Pine Ridge Care Center ID: 15304 Site Type: Nursing home	NUR1004722 NURHOM
B19 NE 1/2-1 mi 3990 Higher	Name: Hillside Care Center ID: 15301 Site Type: Nursing home	NUR1004721 NURHOM
20 NNW 1/2-1 mi 4113 Higher	Name: JUVENILE HALL/COMMUNITY NCES ID: 069101809230 Address: 1111 LAS GALLINAS AVE SAN RAFAEL, CA 94903 School ID: 7852 Telephone: 415-491-0581 Local Code: Urban Fringe of Large City School Type: Other School Level: High County: MARIN Lowest Grade: 08 Highest Grade: 12	069101809230 CCD

RECORDS SEARCHED/DATA CURRENCY TRACKING

CENSUS

Source: U S Census Bureau

Telephone: 301-457-4100

1990 U S Census data was used to estimate residential population following these EPA guidelines:

"Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion. Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal lands data. Includes data from several Federal land management agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments; Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas

Date of government version: 09/09/97

HCFA: Provider of Services Listing

Source: The Health Care Financing Administration

Telephone: 410/786-3000

A listing of hospitals with Medicare provider number, produced by The Health Care Financing Administration (HCFA), a federal agency within the U.S. Department of Health and Human Services.

HCFA runs the Medicare and Medicaid programs

Date of government version: 06/01/98

CCD: Common Core of Data

Source: National Center for Education Statistics

555 New Jersey Avenue NW

Washington, DC 20208-5651

The Common Core of Data (CCD) is the National Center for Education Statistics' primary database on elementary and secondary public education in the United States. CCD 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.

Date of government version: 1995-96

GNIS: Geographic Names Information System

Source: USGS

Telephone: 703-648-5094

The Geographic Names Information System (GNIS), developed by the USGS in cooperation with the U.S. Board on Geographic Names (BGN), contains information about almost 2 million physical and cultural geographic features in the United States. The GNIS is our Nation's official repository of domestic geographic names information.

Date of government version: 03/01/98

PRV_SCH: Private Schools

EDR indicates the location of buildings and facilities - private schools - where individuals who are public receptors are likely to be located.

DAYCARE: Daycare Centers

EDR indicates the location of buildings and facilities - daycare centers - where individuals who are public receptors are likely to be located.

MEDCEN: Medical Centers

EDR indicates the location of buildings and facilities - medical centers - where individuals who are public receptors are likely to be located.

NURSING: Nursing Homes

EDR indicates the location of buildings and facilities - nursing homes - where individuals who are public receptors are likely to be located.

ARENA: Arenas

EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

PRISON: Prisons

EDR indicates the location of buildings and facilities - prisons - where individuals who are public receptors are likely to be located.

BOP: Bureau of Prisons Facilities

Source: Federal Bureau of Prisons

List of facilities operated by the Federal Bureau of Prisons.

Date of government version: 07/01/98



FLUOR DANIEL GTI

**DISPENSER ISLAND AND
PRODUCT LINE REMOVAL REPORT
SEARS STORE 1528
9000 NORTHGATE MALL
SAN RAFAEL, CALIFORNIA**

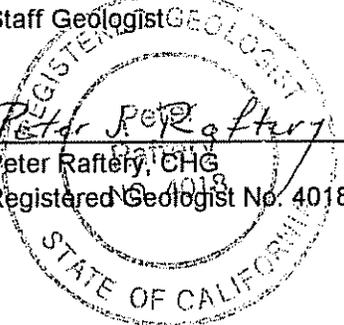
Fluor Daniel GTI Project 020200146

July 1, 1996

Prepared for:
Captain Forrest Craig
City of San Rafael Fire Department
1039 C Street
San Rafael, California 94901

Fluor Daniel GTI
Submitted by:

James L. Molesworth
Staff Geologist

Peter Raftery, CHG
Registered Geologist No. 4018

Fluor Daniel GTI
Approved by:

Mike Wray
Zone Project Manager

For:
David L. Backus
Vice President and General Manager
West Region

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1. Site Plan
2. Soil Analytical Results at Former Dispenser Islands
3. Soil Analytical Results at Former New and Used Oil USTs

Tables

1. Former Dispenser Island Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, and December 1, 1994
2. Former New and Used Oil Product Line Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994
3. Former New and Used Oil Product Line CAM Metal Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994

Appendixes

- A. Soil Disposal Documentation
- B. Soil Sampling Techniques - Quality Assurance/Quality Control, TPH-g and BTEX, EPA Method 8020, Laboratory Reports
- C. Total Lead, EPA Method 6010, Laboratory Reports
- D. TPH-d, EPA Method Modified 8015, Laboratory Reports
- E. TRPH, EPA Method 418.1, Laboratory Reports
- F. Volatile Organics, EPA Method 8240, Laboratory Reports
- G. California Assessment Metals, STLC and TTLC, Laboratory Reports
- H. Chain of Custody Forms

1.0 INTRODUCTION

This report documents the removal of dispenser islands, gasoline product lines, vent lines, new oil supply lines, and used oil line from Sears Store 1528, located at 9000 Northgate Mall, San Rafael, California (figure 1). Removal activities were performed between November 29 and December 1, 1994. The demolition and removal activities were performed by Norm Wilson and Sons, Inc., Paramount, California. Fluor Daniel GTI collected soil samples during the excavation and removal activities to assess the soil conditions and characterize the stockpiled soil for disposal. Fluor Daniel GTI also coordinated soil disposal, and prepared this report. Submittal of this report was delayed due to internal reorganization at Sears.

2.0 SITE HISTORY AND USAGE

2.1 Summary of Previous Investigations

Information provided by Sears indicates that two underground storage tanks (USTs) containing gasoline, one UST containing used oil, an unknown number of new oil USTs, and the product dispensers were removed several years ago (figure 1). The exact dates of the UST removal is not known. Fluor Daniel GTI was not supplied with additional information relating to the UST removal and is not aware of any other subsurface investigations conducted at this site.

2.2 Adjacent Site Uses

Surrounding properties include Sears Retail Store and Northgate Mall parking to the north, Las Golinas Avenue and a cemetery to the east, Sears Auto Repair Center and parking to the south, and a parking lot and residential properties to the west.

2.3 Scope of Work

The scope of work included overseeing the dispenser island and product line removal activities, soil sampling, soil disposal coordination, and project reporting.

Individual grab soil samples were collected at locations beneath the dispenser islands and along the product line trenches. Soil sampling was performed by Fluor Daniel GTI and directed by Captain Forrest Craig of the City of San Rafael Fire Department (SRFD). The samples were collected to determine if hydrocarbons or lead were present in the soil. Composite soil samples were collected from the soil stock piles for soil characterization prior to transportation and treatment at a thermal treatment plant in Arizona.

3.0 FIELD INVESTIGATION

3.1 Site Safety

Fluor Daniel GTI developed a Site Safety Plan to provide a safe working environment and to comply with Occupational Safety and Health Administration Regulation 29 CFR 1910.120. The Health and Safety Plan for the site is on file at Fluor Daniel GTI in Martinez, California. The plan is required to be on site during field work. All Fluor Daniel GTI field personnel and subcontractors are required to sign and comply with the plan. The plan is designed to identify hazards associated with the scope of work including drilling, excavation, sample collection, and the related chemicals of concern, and action levels. The plan includes emergency data, hospital route, and contact numbers. Use of the plan is intended to prevent accidents and reduce the risk of exposure to chemicals.

3.2 Permitting

Permitting for the dispenser island and product line removal was performed by Norm Wilson and Sons Inc. Underground Service Alert (USA) was notified prior to excavation and an excavation permit was obtained by Norm Wilson and Sons from the local fire protection district.

3.3 Dispenser Island Removal and Soil Characterization

3.3.1 Dispenser Island and Product Line Removal

Initial demolition activities began on November 29, 1994, and were completed December 1, 1994. This work included demolition of the dispenser island canopy and the dispenser islands, and the removal of the product lines, vent lines and new and used oil lines.

Sears contractor Norm Wilson and Sons used a backhoe to uncover the product lines and remove the dispenser islands. The soil directly above the product lines was removed with a shovel to avoid damaging the lines. The excavated soil and pea gravel was stock-piled on site.

Product lines were oriented approximately north-south, parallel to the dispenser islands, and approximately east-west between the dispenser islands and the former gasoline USTs (figure 2). The oil supply lines and used oil line were oriented north-south, perpendicular to the Sears Auto Center building (figure 3). All piping was removed by Jim Thorpe Oil, Inc.

Residual gasoline, used oil and water were drained from the product lines prior to removal. The residual product was contained in DOT-approved 55-gallon drums. Removal of these drums was coordinated by Sears.

3.3.2 Soil Characterization

Fluor Daniel GTI personnel field screened excavated soil with a photoionization detector (PID) so the contractor could segregate clean soil from soil containing hydrocarbons. All soil was stockpiled on and covered with plastic sheeting as directed by Fluor Daniel GTI personnel. Soil was segregated based on visual observations and PID field screening results. Any soil releasing hydrocarbon vapor at concentrations above 10 parts per million on the PID or visually stained by hydrocarbons was stockpiled. Approximately 34 cubic yards of soil was sampled for disposal/treatment and securely covered with plastic. The soil stockpiles were transported from the site by Southwest Soil Remediation, Inc., and treated by thermal processing at Remat in Buckeye, Arizona. Disposal documentation is included in appendix A.

3.4 Soil Sampling

Fluor Daniel GTI sampling procedures and protocol are included in appendix B; samples were collected with SRFD oversight. Soil samples were field screened with a PID using headspace methodologies and were sent by overnight delivery to GTEL Environmental Laboratories in Concord, California, for analysis.

Seventeen soil samples were collected from underneath the dispenser islands, gasoline product lines and vent lines at depths of 2 to 4 feet beneath the piping (table 1, figure 2). The soil samples were analyzed for the following constituents:

- total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 8015 (modified)
- benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020
- total lead by EPA Method 6010

Five soil samples were collected from underneath the used oil line and oil supply lines at 2 to 5 feet below the piping (tables 2 and 3, figure 3). The soil samples were analyzed for the following constituents:

- TPH-g and total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015 (modified)
- total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1
- volatile organics by EPA Method 8240
- California Assessment Metals (CAM metals) by EPA 6000/7000 series analyses.

4.0 FINDINGS

Soil analytical results are summarized in tables 1, 2 and 3, and figures 2 and 3. The analytical reports are included in appendixes B through H.

4.1 Soil Sample Results Island A

Six soil samples were collected at dispenser island A (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from 6 milligrams per kilogram (mg/kg) in sample ATW-2/3 to 10 mg/kg in sample ATW-1/3.

4.2 Soil Sample Results Island B

Six soil samples were collected at dispenser island B (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from 7 mg/kg in sample BTW-1/3 to 11 mg/kg in sample BTE-1/3.

4.3 Soil Sample Results Main Product Line Trench

Five soil samples were collected at the main trench between the dispenser islands and the former gasoline USTs (table 1 and figure 2). None of the soil samples contained detectable concentrations of TPH-g or BTEX. Concentrations of total lead ranged from below the detection limit of 5 mg/kg in sample MT-5/4 to 9 mg/kg in three of the other samples.

4.4 Soil Sample Results Used Oil line Trench

Two soil samples were collected along the used oil line excavation trench. No concentrations of TPH-g, TPH-d, or volatile organics were detected. Concentrations of TRPH were 7 mg/kg in sample WO-1/2 and 19 mg/kg in sample WO-2/4. CAM metals results for the used oil supply line samples are summarized in table 3.

4.5 Soil Sample Results New Oil line Trench

Three soil samples were collected along the new oil line excavation trench. No concentrations of TPH-g, TPH-d, or volatile organics were detected. Concentrations of TRPH were below the detection limit in samples NO-1/2 and NO-3/5 and 11 mg/kg in sample NO-2/4. CAM metals results for the used oil line supply line samples are summarized in table 3.

5.0 ANALYTICAL REVIEW

Analytical results from the gasoline dispenser islands indicate gasoline hydrocarbons are not present in soil at the product line areas or the dispenser island areas.

Analytical results from the oil supply line and used oil UST areas indicate that very low levels of hydrocarbons are present in the soil in those two areas and that no volatile organics were present. Metals detected at concentrations above 100 mg/kg and below 211 mg/kg in the new and used oil product line areas include barium, total chromium and nickel.

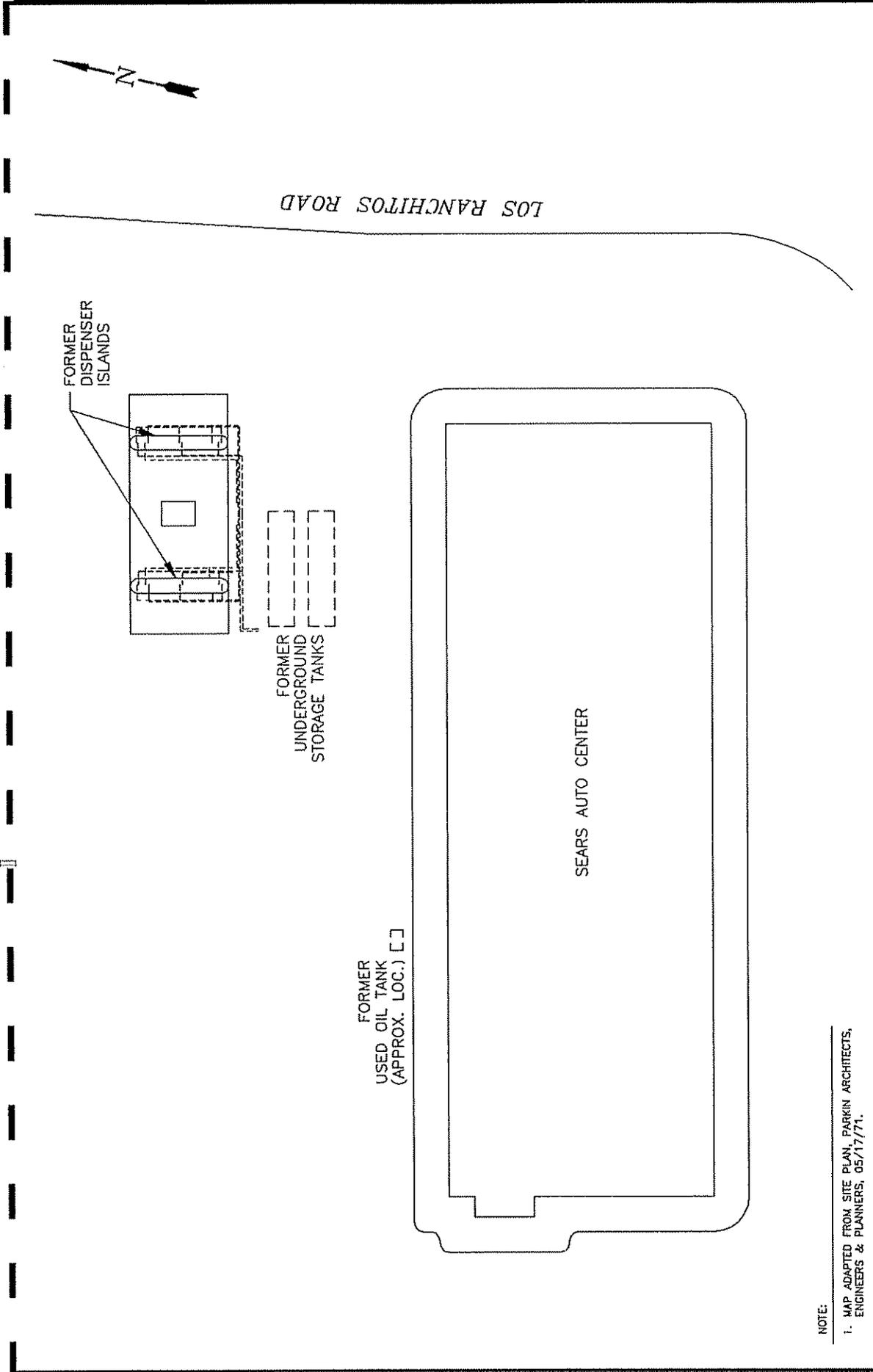
6.0 PETROLEUM HYDROCARBON EXPOSURE CONCERNS

The common exposure routes of petroleum hydrocarbons in humans and animals are inhalation of vapors, ingestion of hydrocarbon-containing material, and skin or eye contact with hydrocarbons. Currently there are no excavations or construction projects that would expose soil containing hydrocarbons on site or adjacent to the site. The site is covered with asphalt and concrete and there does not appear to be any potential risk to the public of contacting soil that contains hydrocarbons.

Based upon the findings of this investigation, Fluor Daniel GTI, on behalf of Sears, Roebuck and Co. proposes no further action at Sears Store 1528 in San Rafael, California.

FIGURES

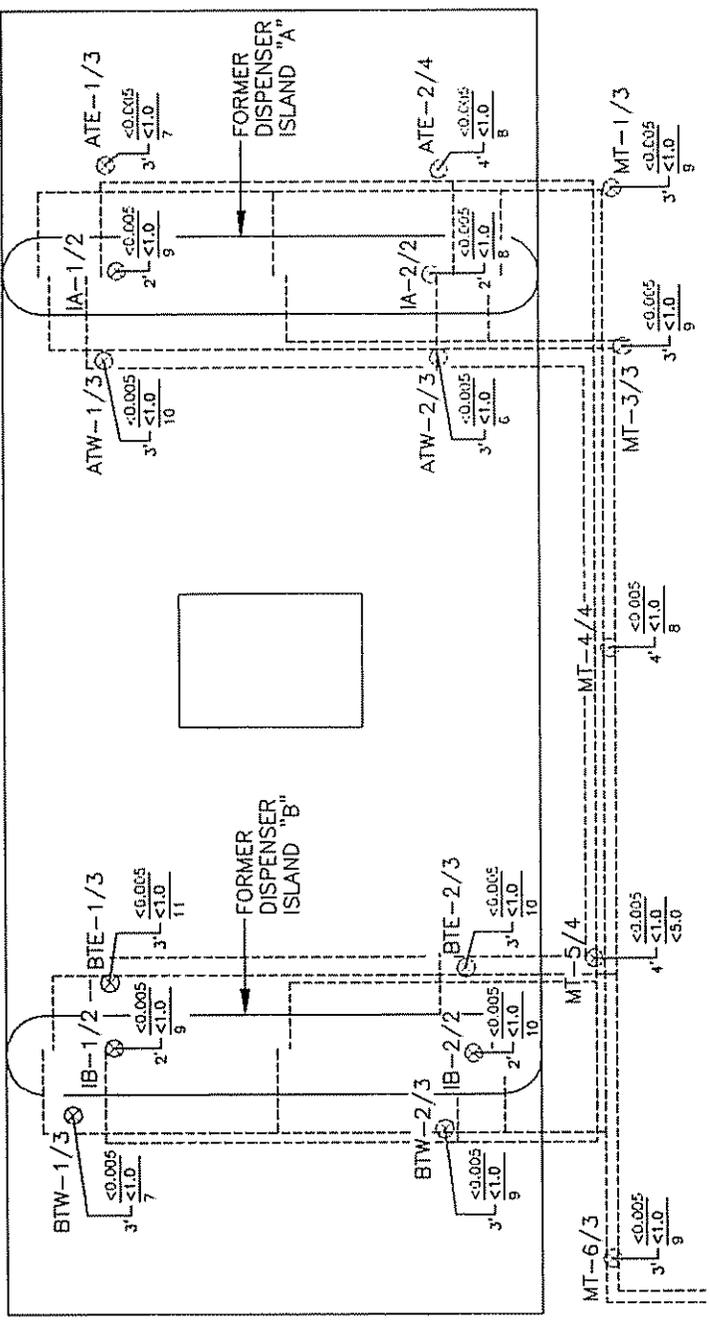
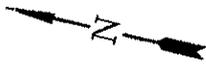
1. Site Plan
2. Soil Analytical Results at Former Dispenser Islands
3. Soil Analytical Results at Former New and Used Oil USTs



NOTE:

1. MAP ADAPTED FROM SITE PLAN, PARKIN ARCHITECTS, ENGINEERS & PLANNERS, 05/17/71.

 FLUOR DANIEL GTI	PROJECT NO.: 020200025	SCALE 	CLIENT: SEARS MERCHANDISE GROUP STORE No. 1528		SITE PLAN	
	REV.: 0025SM (1:480)	DATE: 12/20/94	DET.: PJWH	DES.: PM		



EXPLANATION

- SOIL SAMPLE LOCATION
- BENZENE (mg/kg)
- TPH AS GASOLINE (mg/kg)
- TOTAL LEAD (mg/kg)
- BENZENE DETECTION LIMIT (mg/kg)
- TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- TOTAL LEAD DETECTION LIMIT (mg/kg)

SAMPLED ON: 11/30/94 AND 12/01/94

CLIENT: SEARS MERCHANDISE GROUP
STORE No. 1528
LOCATION: 9000 NORTHCATE MALL
SAN RAFAEL, CA

DES.: JM DET.: CCG DATE: 06/04/96

PROJECT NO.: 020200146

REV.:



FLUOR DANIEL GTI



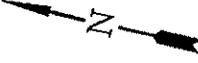
0 FEET
SCALE

**SOIL ANALYTICAL RESULTS
AT FORMER DISPENSER ISLANDS**

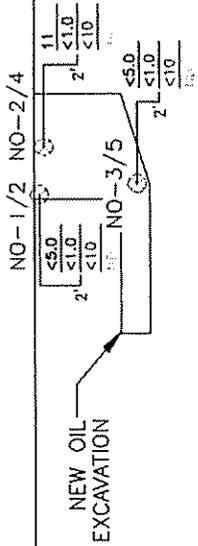
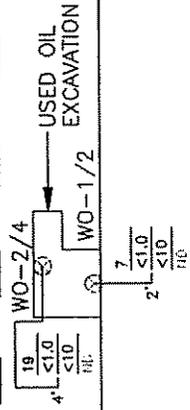
FIGURE: 2

PE/RG:

NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, OCT, 12/94.



SEARS AUTO CENTER



EXPLANATION

SOIL SAMPLE LOCATION

- 7 IRPH (mg/kg)
- 2 TPH AS GASOLINE (mg/kg)
- 2 TPH AS DIESEL (mg/kg)
- 10 VOLITILE ORGANICS (mg/kg)
- 2 IRPH DETECTION LIMIT (mg/kg)
- 2 TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- 2 TPH AS DIESEL DETECTION LIMIT (mg/kg)
- 10 VOLITILE ORGANICS DETECTION LIMIT (mg/kg)

SAMPLED ON: 11/30/94

NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, GTI, 12/94.



FLUOR DANIEL GTI

PROJECT NO.: 020200146

CLIENT: SEARS MERCHANDISE GROUP
STORE No. 1528

LOCATION: 9000 NORTHGATE MALL
SAN RAFAEL, CA

DES.: JM DET.: CCG DATE: 06/04/96

**SOIL ANALYTICAL RESULTS
AT FORMER NEW AND USED OIL USTS**

PM: PE/RG: FIGURE: 3

TABLES

1. Former Dispenser Island Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, and December 1, 1994
2. Former New and Used Oil Product Line Soil Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994
3. Former New and Used Oil Product Line CAM Metal Analytical Results, Sears Store 1528, San Rafael, California, Sampled November 30, 1994

TABLE 1
Former Dispenser Island Soil Analytical Results
Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Gasoline Dispenser Island Samples							
Samples	Date	TPH-g	B	T	E	X	Total Lead
Island A soil samples							
IA-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IA-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	7
ATE-2/4	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	10
ATW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	6
Island B Soil Samples							
IB-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IB-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	11
BTE-2/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	7
BTW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
Main Trench Soil Samples							
MT-3/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-4/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	8
MT-5/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	<5
MT-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-6/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Total lead analyzed using EPA Method 6010

TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020
 < Number = below reported detection limits

TABLE 2
Former New and Used Oil Product Line Soil Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Samples	Date	TRPH	TPH-g	TPH-d	Volatile Organics
Used Oil Supply Line Soil Samples					
WO-1/2	11/30/94	7	<1	<10	ND
WO-2/4	11/30/94	19	<1	<10	ND
New Oil Supply Line Soil Samples					
NO-1/2	11/30/94	<5	<1	<10	ND
NO-2/4	11/30/94	11	<1	<10	ND
NO-3/5	11/30/94	<5	<1	<10	ND

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Volatile organics analyzed using EPA Method 8240A

TRPH = total recoverable petroleum hydrocarbons; analyzed using EPA Method 3550/418.1
 TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020
 TPH-d = total petroleum hydrocarbons as diesel; analyzed using EPA Method Modified 8015
 < Number = below reported detection limits
 ND = not detected

TABLE 3
Former New and Used Oil Product Line Soil CAM Metal Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, 1994

Used Oil/Oil Supply Samples						
Analyte	Date	WO-1/2	WO-2/4	NO-1/2	NO-2/4	NO-3/5
Antimony	11/30/94	<5	<5	<5	<5	<5
Arsenic	11/30/94	5.5	2.5	4.0	9.3	7.5
Barium	11/30/94	150	55	100	130	170
Beryllium	11/30/94	0.6	<0.5	<0.5	<0.5	0.6
Cadmium	11/30/94	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	11/30/94	30	38	92	68	210
Cobalt	11/30/94	9	8	19	16	21
Copper	11/30/94	28	11	17	47	35
Lead	11/30/94	8	<5	6	6	8
Mercury	11/30/94	<0.1	<0.1	<0.1	0.1	0.1
Molybdenum	11/30/94	1	<1	<1	1	1
Nickel	11/30/94	41	59	100	110	180
Selenium	11/30/94	<5	<5	<5	<5	<5
Silver	11/30/94	<1	<1	<1	<1	<1
Thallium	11/30/94	<5	<5	<5	<5	<5
Vanadium	11/30/94	32	22	44	44	46
Zinc	11/30/94	58	34	35	69	70

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Analyzed using EPA Methods 6010, 7060, and 7470

<Number = Below reported detection limit

APPENDIXES

- A. Soil Disposal Documentation
- B. Soil Sampling Techniques - Quality Assurance/Quality Control, TPH-g and BTEX, EPA Method 8020, Laboratory Reports
- C. Total Lead, EPA Method 6010, Laboratory Reports
- D. TPH-d, EPA Method Modified 8015, Laboratory Reports
- E. TRPH, EPA Method 418.1, Laboratory Reports
- F. Volatile Organics, EPA Method 8240, Laboratory Reports
- G. California Assessment Metals, STLC and TTLC, Laboratory Reports
- H. Chain of Custody Forms

APPENDIX A
SOIL DISPOSAL DOCUMENTATION

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO.

1. NAME: Sears Roebuck & Company Store # 1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (common name by which waste is referred):
Stockpiled Soil Containing Petroleum Hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: Gasoline Diesel Fuel Jet Fuel Fuel Oil
 Waste Oil Other _____
12. Is the waste hazardous under FEDERAL REGULATIONS? YES NO
If yes, is the waste LISTED or CHARACTERISTIC?
N/A
What is the EPA HAZARDOUS WASTE NUMBER? _____
13. Is the waste hazardous under STATE REGULATIONS? YES NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

BP

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TUSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? two (2)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YEAR
23. What volume of waste is currently stockpiled, if any? 2 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) 2 yards

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert 29. PHONE NO.: (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (if applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner 33. PHONE NO.: 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

TITLE: Manager Environmental Engineering

Bernadine Palka
 (Signature)

DATE: 31 May 95

1528 (a)
 11P



830 N. Miller Road
Buickaya, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(9)
BPP



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6000
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants Gasoline

GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

BOP
152869

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO. _____

1. NAME: Sears Roebuck & Company Store #1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE # (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled soil containing petroleum hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: () Gasoline! () Diesel Fuel! () Jet Fuel! () Fuel Oil # _____
(X) Waste Oil (X) Other Used Oil _____
12. Is the waste hazardous under FEDERAL REGULATIONS? () YES (X) NO
If yes, is the waste () LISTED or () CHARACTERISTIC?
What is the EPA HAZARDOUS WASTE NUMBER? N/A
13. Is the waste hazardous under STATE REGULATIONS? () YES (X) NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? thirty-two (32)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YR
23. What volume of waste is currently stockpiled, if any? 32 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) _____

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnett
29. PHONE NO. (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (If Applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner
33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

Bernadine A. Palka
 (Signature)

TITLE: Manager Environmental Engineering

DATE: 31 May 95

152861



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6500
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE #1528
LOCATION: 9000 Northgate Mall, San Rafael, CA
SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering
NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants used oil/virgin oil

GENERATOR: Sears Roebuck & Company STORE # 1528
SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering
NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael
Work Order Number: CA-12-0018

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
for
Rashmi Shah
Laboratory Director

NO - waste oil samples
NO - gasoline samples

1528 (9)
BOP

Client Number: 020200025
 Project ID: Sears 1526
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	18	<5
Detection Limit Multiplier		1	2.5	1	1

- The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
- Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

1528(9)
BAF

Client Number: 020200025
 Project ID: Sears 152B
 9000 Northgate
 San Rafael, CA
 Work Order Number: CA-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil
by Infrared Spectrometry¹EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Total Petroleum Hydrocarbons	5	11	26	<5
Detection Limit Multiplier		1	1	1

- The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
- Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

1528(F)
BOP

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

1. O-Terphenyl surrogate recovery acceptability limits are 50-150% Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. 0, U.S. EPA, November, 1986.

15225(9)
BOP

GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-08	C4110454-09	C4110454-10	C4110454-11
Client ID	40-172	40-3	40-2	40-172
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1

1528(7)
 RSP



GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-13	C4110454-14
Client ID	020200025	020200025	020200025
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration	Wet Weight
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0
BFB (surrogate)	--	%	85.0	90.6
				87.9
				--

Notes:
 Dilution Factor:
 Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:
 "Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-646. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

1528(9)
 BFB

GTEL Concord, CA
 C4110454:2



Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: CA-12-0011



Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

1528 (9)
BOP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528(5)
BDF

Client Number: 020200025
 Project ID: Sears # 1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528(5)
BOP

Client Number: 020200025
 Project ID: Seare #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethane, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

1528 (5)
BOP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number	12	13	14	120594 MSC	
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled	11/30/94	11/30/94	11/30/94	-	
Date Analyzed	12/06/94	12/06/94	12/05/94	12/05/94	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier	1	1	1	1	1
DCE surrogate, % recovery	101	103	94.7	94.6	
TOL surrogate, % recovery	115	92.1	112	101	
BFB surrogate, % recovery	96.9	95.6	102	102	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

15328(9)
BOP?

Client Number: 02020025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

15328(5)
1328

Client Number: 020200025
 Project ID: Sears # 1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		120694 MSC		
Client Identification		METHOD BLANK		
Date Sampled		-		
Date Analyzed		12/06/94		
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg		
trans-1,3-Dichloropropene	5	<5		
2-Chloroethylvinyl ether	10	<10		
Bromoform	5	<5		
4-Methyl-2-pentanone	20	<20		
2-Hexanone	20	<20		
Tetrachloroethene	5	<5		
1,1,2,2-Tetrachloroethane	5	<5		
Toluene	5	<5		
Chlorobenzene	5	<5		
Ethylbenzene	5	<5		
Styrene	5	<5		
1,2-Dichlorobenzene	10	<10		
1,3-Dichlorobenzene	10	<10		
1,4-Dichlorobenzene	10	<10		
Xylene, total	10	<10		
Trichlorofluoromethane	5	<5		
Detection Limit Multiplier		1		
DCE surrogate, % recovery		105		
TOL surrogate, % recovery		113		
BFB surrogate, % recovery		96.2		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis

1528(9)
BDF

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLG)_B

GTEL Sample Number			08	09	10	11
Client Identification			WO-1/2	WC-C	WO-2/4	NO-1/2
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared (Method 3055 ^b)			12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed (Method 7470)			12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	98	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

1528(5)
BOP

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: CA-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTL)^a

GTEL Sample Number		12	13	14	120794 MET	
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled		11/30/94	11/30/94	11/30/94	-	
Date Prepared (Method 3055 ^b)		12/07/94	12/07/94	12/07/94	12/07/94	
Date Analyzed (Method 6010)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Analyzed (Method 7060)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Prepared and Analyzed (Method 7470)		12/07/94	12/07/94	12/07/94	12/07/94	
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^c	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVA).

*1528(9)
BOP*

15328 (5)

MOSEL
 4070 PIKE LANE, SUITE C
 CONCORD, CA 94530
 (510) 885-7182
 (800) 426-7148

Company Name: **GTI**
 Phone #:
 FAX #:
 Company Address: **Northgate Mall**
Santa Clara Ave
San Jose, CA 95128
 Project Manager: **Eileen Brennan**
 Client Project ID: **15328**
 Sampler Name: **Sam Rafael**
TRNJ Jones

Field Sample ID	GTEL Lab # (Lab Use only)	Matrix			Method Preserved			Sampling	
		Soil	Water	Sludge	GC	MS	MS	Date	Time
ATW-1/5	01	X			X			11:00	10:54
ATW-2/5	02	X			X			11:05	10:59
BTE 1/5	03	X			X			11:09	11:08
BTE 2/5	04	X			X			11:16	11:27
MT-3/5	05	X			X			11:37	11:37
MT-4/4	06	X			X			12:16	12:16
MT-5/4	07	X			X			12:20	12:20
WO-1/2	08	X			X			12:30	12:30
WO-2	09	X			X			12:30	12:30
WO-3/4	10	X			X			12:30	12:30
NO-1/8	11	X			X			12:30	12:30

SPECIAL DETECTION LIMITS
 SPECIAL REPORTING REQUIREMENTS
 Date:
 Time:
 Requisitioned by Sampler: **GTI**
 Requisitioned by: **GTI**
 Requisitioned by: **GTI**

Post-It™ brand fax transmittal memo 7671 # of pages: 2
 To: **Sherry**
 From: **Eileen**
 Co: **GTI**
 Dept: **12/1**
 Phone #: **245**
 Fax #:

Method	Matrix	Method Preserved	Sampling	Notes
STEX 02: 2002 with KTRC				
STEX 02: 2002 with KTRC				
Hydrocarbon (PH) and (S) (S) (S)				
Hydrocarbon (PH) and (S) (S) (S)				
On and Over 412:1 412:2 5M-500				
THM 418:1 5M-500				
ED by SO4 0507 by SO4				
EPA 503.1 EPA 822.2				
EPA 817 EPA 8010				
EPA 808 EPA 820 P-3 071				
EPA 821/PL 820/PL 815 (S)				
EPA 821/PL 820/PL 815 (S)				
EPA 810 EPA 810				
EPA 510 EPA 810				
EPA TOX Metals: PCBs, PCDDs, PCDFs				
EPA TOX Metals: PCBs, PCDDs, PCDFs				
EPA Metals: Pb, Cd, Cr, Ni, Cu, Zn, Mn, Hg				
EPA Metals: Pb, Cd, Cr, Ni, Cu, Zn, Mn, Hg				
Lead 2002, 2007, 7241, 8010				
Organic Lead				
Commodity: Fresh Fruit, Recycled				

REMARKS:
 All samples for BTEX/GAS, GAS & Diesel,
 418.1 - 24 HOUR RUSH. All other analysis
 STD. TRL.
 Lab Use Only List: **C412C011**
 Storage Location:
 WHI Order #: **C4110454 24HR RUSH**

APPENDIX B

**SOIL SAMPLING TECHNIQUES - QUALITY ASSURANCE/QUALITY CONTROL,
TPH-G AND BTEX, EPA METHOD 8020, LABORATORY REPORTS**

SOIL SAMPLING TECHNIQUES QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" wash system. This system involves the following steps:

1. washing the split-spoon sampler in a detergent and water solution
2. rinsing the sampler in tap water
3. rinsing the sampler in distilled water

To maintain the integrity of the samples, all samples were collected using the following methods:

1. collected in 6-inch brass sample tubes
2. sealed with foil or Teflon caps
3. wrapped with duct tape
4. properly labeled and listed on completed custody forms
5. placed in plastic bags
6. placed in a cooler and chilled on ice
7. delivered to a State-certified laboratory

All soil samples were refrigerated and stored at the laboratory for 30 days in case subsequent analyses were required.

GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-01	C4110454-02	C4110454-03	C4110454-04
Client ID	ATH-2/3	ATH-2/3	ATH-2/3	ATH-2/3
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	96.9	86.5	66.2	85.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organic
 Method: EPA 8021
 Matrix: Solid

GTEL Sample Number	C4110454-05	C4110454-06	C4110454-07
Client ID	KT-5/3	KT-5/4	KT-5/4
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting Limit		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Ethyl Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	
BFB (Surrogate)	--	%	82.6	88.9	66.7	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-01	C4120017-02	C4120017-03	C4120017-04
Client ID	MT 1/3	MT 6/3	TA 1/2	TA 2/2
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	89.3	89.0	84.9	91.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:1



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-05	C4120017-06	C4120017-07	C4120017-08
Client ID	IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:2



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-09	C4120017-10	--	--
Client ID	ATE 1/3	ATE 2/4	--	--
Date Sampled	12/01/94	12/01/94	--	--
Date Analyzed	12/02/94	12/01/94	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting		Concentration:Wet Weight		
	Limit	Units			
Benzene	0.005	mg/kg	< 0.005	< 0.005	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	--
BFB (Surrogate)	--	%	90.5	84.1	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:3



GTel Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTel Sample Number	C4110454-08	C4110454-09	C4110454-25	C4110454-11
Client ID	NC-172	NC-0	NC-274	NC-172
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-31	C4110454-04
Client ID	NO-2/4	NO-3/5	NO-3/5
Date Sampled	11/30/94	11/30/94	11/30/94
Date Analyzed	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Wet Weight		
TPH as Gasoline	1.0	mg/kg	<1.0	<1.0	<1.0
BFB (surrogate)	--	%	85.0	90.6	87.9

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



GTEL Client ID: 020200025
Login Number: C4110454
Project ID (number): 020200025
Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Solids

Method Blank Results

QC Batch No: A113094-1
Date Analyzed: 30-NOV-94

Analyte	Method: EPA 8020	Concentration: mg/kg
Benzene	< 0.0050	
Toluene	< 0.0050	
Ethylbenzene	< 0.0050	
Xylenes (Total)	< 0.015	
TPH as Gasoline	< 1.0	

Notes:

APPENDIX C

TOTAL LEAD, EPA METHOD 6010, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	BTW 03	BTW 04
Client Identification		ATW-1/3	ATW-2/3	BFE-1/3	BFE-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	10	6	7	9
Detection Limit Multiplier		1	1	1	1

lab errors

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1

Client Number: 00000005
 Project ID: 8888 1000
 8000 Northgate
 San Rafael
 Work Order Number: 04-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 8010*

* Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	9	9	8
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	08
Client Identification		IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	10	11	10
Detection Limit Multiplier		1	1	1	1

Client Number: 00000000
 Project ID: 0000 9028
 0000 Marygate
 San Rafael
 Work Order Number: CA-42-0098

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 1, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		09	10	120294 MET
Client Identification		ATE 1/3	ATE 2/4	METHOD BLANK
Date Sampled		12/01/94	12/01/94	-
Date Prepared		12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Lead, total	5	7	8	<5
Detection Limit Multiplier		1	1	1



APPENDIX D

TPH-D, EPA METHOD MODIFIED 8015, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: CA-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

^a O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.

APPENDIX E

TRPH, EPA METHOD 418.1, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	19	<5
Detection Limit Multiplier		1	2.5	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled	11/30/94	11/30/94	11/30/94	-
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg		
Total Petroleum Hydrocarbons	5	11	26	<5
Detection Limit Multiplier		1	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

APPENDIX F

VOLATILE ORGANICS, EPA METHOD 8240, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 02020025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	—
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5			
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5			
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

APPENDIX G

CALIFORNIA ASSESSMENT METALS, STLC AND TTLC, LABORATORY REPORTS

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			08	09	10	11
Client Identification			WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared (Method 3055 ^b)			12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed (Method 7470)			12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	38	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

Client Number: 020200025
 Project ID: Sears #1528
 Northgate Mall San Rafael
 Work Order Number: C4-12-0011

ANALYTICAL RESULTS
CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number	12	13	14	120794 MET		
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK		
Date Sampled	11/30/94	11/30/94	11/30/94	-		
Date Prepared (Method 3055 ^b)	12/07/94	12/07/94	12/07/94	12/07/94		
Date Analyzed (Method 6010)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Analyzed (Method 7060)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Prepared and Analyzed (Method 7470)	12/07/94	12/07/94	12/07/94	12/07/94		
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
 b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
 c. Inductively Coupled Argon Plasma (ICP).
 d. Graphite Furnace Atomic Absorption (GFAA).
 e. Cold Vapor Atomic Absorption (CVAA).

APPENDIX H
CHAIN OF CUSTODY FORMS

UTAH-UT-CUS STUDY RECORD AND ANALYSIS REQUEST

ALUMINUM, IRON, SILICA
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Company Name: **GTI**
 Phone: 510 685 9148
 Company Address: **4657 Port Chicasadero**
 Site Location: **4657 Port Chicasadero, San Rafael, CA**
 Project Manager: **Eileen Burman**
 Client Project ID: **(#) 02-020005**
 Sampler Name (Print): **ESM JAMES**

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix			Method Preserved			Sampling					
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	USE REFRIG. OTHER	DATE
N03/4	12	1	1										11/20	12:25
N01/2	13	1	1										12/25	12:25
N03/5	14	1	1										12/25	12:25

ANALYSIS REQUEST

<input type="checkbox"/>	BTX/Gas Hydrocarbons PIV/PT with MTBE	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Hydrocarbons GC/FID Gas or Diesel Screen	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Hydrocarbon Profile (SIMDIS)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	TPH/NR 418.1 <input checked="" type="checkbox"/> SM 503	<input checked="" type="checkbox"/>
<input type="checkbox"/>	EDB by 504 <input type="checkbox"/> DBCP by 504	<input type="checkbox"/>
<input type="checkbox"/>	EPA 503.1 <input type="checkbox"/> EPA 502.2	<input type="checkbox"/>
<input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010	<input type="checkbox"/>
<input type="checkbox"/>	EPA 602 <input type="checkbox"/> EPA 8020	<input type="checkbox"/>
<input type="checkbox"/>	EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only	<input type="checkbox"/>
<input checked="" type="checkbox"/>	EPA 824/PPL <input checked="" type="checkbox"/> 8240/TAL <input checked="" type="checkbox"/> NBS (+15)	<input checked="" type="checkbox"/>
<input type="checkbox"/>	EPA 825/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25)	<input type="checkbox"/>
<input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310	<input type="checkbox"/>
<input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides	<input type="checkbox"/>
<input type="checkbox"/>	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Sam-VOA <input type="checkbox"/> Part <input type="checkbox"/> Hard	<input type="checkbox"/>
<input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA	<input type="checkbox"/>
<input checked="" type="checkbox"/>	CAM Metals TLIC <input checked="" type="checkbox"/> STIC	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010	<input type="checkbox"/>
<input type="checkbox"/>	Organic Lead	<input type="checkbox"/>
<input type="checkbox"/>	Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity	<input type="checkbox"/>

REMARKS: **NO VOC AT TPN-6 8015 modified BTEX 8020**

SPECIAL DETECTION LIMITS **CORRECTIONS OK SIGN date (X)**

Work Order #: **C4110454**

SPECIAL REPORTING REQUIREMENTS

Received by: John Weber	Time: 13:00
Received by: John Weber	Time: 15:20
Received by Laboratory: Waybill #	Time: 15:20

Relinquished by Sampler: **John Weber**

Relinquished by: **John Weber**

Relinquished by:

CUSTODY RECORD

Work Order #: **C4110454**

Storage Location

QA/QC Level



4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33582

Company Name: Groundwater Tech
 Phone #: 510 671-2387
 Company Address: 4057 Port Chicago Hwy
 Site Location: 9000 Northgate
 Project Manager: Erven Brennan
 Client Project ID: (#) 02000025
 Sampler Name (Print): Terry James
 (NAME) Sears 1528

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling			
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	DATE	TIME
MT1/3	01	1	X							X			12/1/94	10:45
MT6/3	02	1											10:55	
IA1/2	03	1											11:05	
IA2/2	04	1											11:10	
IB1/2	05	1											11:20	
IB2/2	06	1											11:30	
BT1/3	07	1											10:05	
BT2/3	08	1											10:15	
AT1/3	09	1											10:30	
AT2/4	10	1											10:40	

TAT Priority (24 hr)
 Expedited (48 hr)
 7 Business Days
 Other Business Days

Special Handling
 GTEL Contact _____
 Quoter/Contract # _____
 Confirmation # _____
 PO # _____

QA/QC Level
 Other I _____

Analysis Request	Other
<input type="checkbox"/> BTEX/Gas Hydrocarbons PID/FID with MTBE	<input type="checkbox"/>
<input type="checkbox"/> BTEX 602 with MTBE	<input type="checkbox"/>
<input type="checkbox"/> Hydrocarbons GC/FID Gas Diesel Screen	<input type="checkbox"/>
<input type="checkbox"/> Hydrocarbon Profile (SIMDIS)	<input type="checkbox"/>
<input type="checkbox"/> Oil and Grease 413.1 413.2 SM-503	<input type="checkbox"/>
<input type="checkbox"/> TPH:IR 418.1 SM 503	<input type="checkbox"/>
<input type="checkbox"/> EDB by 504 DBCP by 504	<input type="checkbox"/>
<input type="checkbox"/> EPA 503.1 EPA 502.2	<input type="checkbox"/>
<input type="checkbox"/> EPA 601 EPA 8010	<input type="checkbox"/>
<input type="checkbox"/> EPA 602 EPA 8020	<input type="checkbox"/>
<input type="checkbox"/> EPA 608 8080 PCB only	<input type="checkbox"/>
<input type="checkbox"/> EPA 624/PPL 8240/TAL NBS (-15)	<input type="checkbox"/>
<input type="checkbox"/> EPA 625/PPL 8270/TAL NBS (-25)	<input type="checkbox"/>
<input type="checkbox"/> EPA 610 8310	<input type="checkbox"/>
<input type="checkbox"/> EP TOX Metals Pesticides Herbicides	<input type="checkbox"/>
<input type="checkbox"/> TCP Metals VOA Semi-VOA Pest Herb	<input type="checkbox"/>
<input type="checkbox"/> EPA Metals Priority Pollutant TAL RCRA	<input type="checkbox"/>
<input type="checkbox"/> CAM Metals TLOC STLC	<input type="checkbox"/>
<input type="checkbox"/> Lead 239.2 200.7 7420 7421 6010	<input type="checkbox"/>
<input type="checkbox"/> Organic Lead	<input type="checkbox"/>
<input type="checkbox"/> Corrosivity Flash Point Reactivity	<input type="checkbox"/>

REMARKS: BTEX/TPH-6-2015 Modified
Level 8020 24hr TAT
Level Sid.

Lab Use Only Lot #: C4120018- Storage Location

Work Order #: C4120017-24hr

Received by: John Weber
 Date: 12/1/94 13:09
 Time: 13:09

Received by: John Weber
 Date: 12/1/94 14:10
 Time: 14:10

Received by Laboratory: Erven Brennan
 Waybill #: _____

Relinquished by Sampler: Terry James
 Relinquished by: John Weber
 Relinquished by: _____

CUSTOMY RECORD

Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: C4-12-0011



Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.



Rashmi Shah
Laboratory Director



Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael, CA
Work Order Number: C4-11-0454

December 6, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

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If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

Post-It™ brand fax transmittal memo 7571 # of pages ▶

To	From
Co.	Co.
Dept.	Phone #
Fax #	Fax #

Handwritten: pat



Western Region
4080 Price Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 000000005
Project ID: 0000 1000
0000 10000000
San Rafael
Work Order Number: 04-12-0010

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
for
Rashmi Shah
Laboratory Director

Post-it® Fax Note	7671	Date	12/16	# of pages	3
To	PAT MCCONNELL		From	EBRENNAN	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #			Fax #		



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael
CA-12-0018
Work Order Number:

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
for
Rashmi Shah
Laboratory Director

WO - waste oil samples
NO - gasoline samples

1528(6)
BDF



DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

**Hydraulic Lift Removal,
Assessment, and Site Remediation
Activities**

**Sears Store #1528
9000 Northgate Drive
San Rafael, California**

Prepared for :

**Sears, Roebuck and Co.
Job No. 00188-166-043
February 7, 1997**

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**HYDRAULIC LIFT REMOVAL,
ASSESSMENT, AND SITE REMEDIATION ACTIVITIES
SEARS STORE #1528
9000 Northgate Drive
San Rafael, California**

**Prepared For:
Sears, Roebuck and Co.
D&M Job No. 00188-166-043
February 7, 1997**

1.0 INTRODUCTION

This report presents the results of Dames & Moore's environmental oversight related to the removal of three hydraulic lifts at the Automotive Center of Sears Store #1528 located at 9000 Northgate Drive in San Rafael, California (Figure 1). The environmental oversight was conducted for Sears, Roebuck and Co. (Sears) in accordance with Dames & Moore's Request for Authorization dated February 5, 1996. Lift removals were performed as part of a Site remodel. Field activities were performed on March 7, 1996. Following field and disposal activities, Dames & Moore prepared this report outlining the field procedures used, laboratory analytical results, and remedial measures performed at the Site.

2.0 SITE DESCRIPTION

2.1 SITE FEATURES

Sears Store #1528 is located at the southwestern end of the Northgate Mall in San Rafael, California. The Automotive Center (Site) is a two-story building that houses a service counter and display area, and a garage area on the first floor with 19 service bays for automotive service and maintenance. The second floor contains an employee break room, bathrooms and lockers, and a large storage area. For purposes of this remodel, Lifts 1, 2, and 3 needed to be removed. These bays were located in the southwest corner of the Automobile Center (Figure 2). Lifts 1, 2, and 3 were single-post lifts. Photographs of the field activities are provided in Appendix A.

2.2 LOCAL HYDROGEOLOGY

The assumed local groundwater flow direction, based on surface topography, is to the north towards Santa Margarita Valley. Regionally, groundwater is assumed to flow northeast toward Gallinas Creek and San Francisco Bay. United States Geologic Survey Professional Paper 943, titled Flatland Deposits-Their Geology and Engineering Importance to Comprehensive Planning (Halley and LaJoie, 1979), indicates that the Site is underlain by bedrock. Bedrock in the San Rafael area consists of a complex assemblage of sedimentary, igneous, and metamorphic rocks of Jurassic and Cretaceous age.

3.0 FIELD ACTIVITIES

3.1 WORK PARAMETERS DETERMINATION

In accordance with California State Senate Bill SB 1191, hydraulic lift tanks are exempt from underground storage tank regulations with regards to operating permits and associated reporting requirements. Any releases to the environment, however, must be remediated to the extent that there is no significant adverse effect to human health or the environment. Currently, the State of California does not have strict cleanup standards for hydraulic oils in soil. Cleanup guidance criteria are normally provided by the Regional Water Quality Control Boards (RWQCB) and/or local oversight agencies. The RWQCB-recommended cleanup criteria for petroleum hydrocarbons in soil is generally 100 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) as gasoline and 1,000 mg/kg for TPH as oil. Active cleanup is typically required of soils impacted by volatile and semi-volatile hydrocarbon compounds if concentrations exceed about 10 times the equivalent Maximum Contaminant Level (MCL) concentrations for drinking water listed in Title 22 of the California Code of Regulations. Additional guidance for cleanup criteria of individual hydrocarbon compounds is provided by the US EPA Region 9 Preliminary Remedial Goals (PRGs) and Soil Screening Levels.

In accordance with the above criteria, Dames & Moore collected samples for hydrocarbon analysis during the lift removal process. Soil samples were initially analyzed for TPH by a Hydrocarbon Semi-Quantitative Fuel Scan [C4-C12 (gasoline range), C13-C22 (diesel range), and C23+(oil range)] using modified EPA Method 8015. If concentrations exceeded 100 mg/kg, then the soil sample with the highest TPH value was also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270, volatile organic compounds (VOCs) by EPA Method 8240, and polychlorinated biphenyls (PCBs) by EPA Method 8080. Remedial excavation would be implemented if concentrations exceeded the guidance criteria stated above.

3.2 INITIAL SOILS ASSESSMENT

As part of the field activities, Dames & Moore field personnel were required to review and sign a Health and Safety Plan (HSP) that was prepared for the Site. The HSP was prepared to aid in the safe handling of materials potentially containing elevated levels of chemicals. During the investigation, requirements of the HSP were met, including daily site safety briefings.

Prior to the startup of Dames & Moore's field activities, Walker Hydraulic (Contractor) cut and removed the concrete slab around each of the lifts. The lifts did not have associated hydraulic lines. Following removal of the concrete slabs and hydraulic lifts, Dames & Moore personnel collected soil samples from three locations at the lift cylinders: one at the surface, one at three feet below ground surface (bgs), and one at the base of the post (approximately seven feet bgs). However, a sample was not collected at the 3-foot depth at Lift 1.

All samples up to 7 feet bgs were collected using a hand auger. Sample material was placed into 4-ounce jars supplied by the analytical laboratory and sealed with Teflon-lined lids. Sample collection was performed following strict environmental protocol to avoid cross-contamination. Soils observed during sample collection consisted of sandy fill materials immediately around the lifts. Native soils beyond the fill material are primarily silt and clay.

Soil samples were submitted to an onsite mobile laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPH-g; C4-C12), as diesel (TPH-d; C13-C22), and as hydraulic oil (TPH-h; C23+) by modified EPA Method 8015. The samples collected from three feet bgs were held pending analysis of surface samples. Results of the sample analyses indicated the following:

- TPH-g and TPH-d were not detected in any of the samples.

Lift 1:

- TPH-h was detected at 87 mg/kg in the surface sample at Lift 1 and at 320 mg/kg in the 7-foot sample.

Lift 2:

- TPH-h was detected at 5,500 mg/kg in the surface sample at Lift 2, at 270 mg/kg in the 3-foot sample, and at 220 mg/kg in the 7-foot sample.

Lift 3:

- TPH-d was detected at 11,000 mg/kg in the surface sample at Lift 3, at 43 mg/kg in the 3-foot sample, and at 830 mg/kg in the 7-foot sample.

In general accordance with the Work Parameters Determination (Section 3.1), one of the samples with the highest concentration of hydraulic oil, in this case the surface sample from Lift 2 (5,500 mg/kg TPH-h), was also analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs), by EPA Methods 8240, 8270, and 8080, respectively. Analytical results showed no detectable VOCs, but did indicate detection of 0.48 mg/kg PCB aroclor 1260 and 2.5 mg/kg of the SVOC bis (2-ethylhexyl) phthalate. Results of soil sample analyses are listed in Table 1, and laboratory reports are included as Appendix B.

In summary, results of the initial soils assessment indicated that a number of soil samples exceeded the cleanup guidance criteria for hydraulic oil (1,000 mg/kg) as outlined in the Work Parameters Determination (Section 3.1). These sample areas included the Lift 2 and 3 cylinder areas.

3.3 HYDRAULIC LIFT REMOVAL AND REMEDIAL ACTION

Following the initial soils assessment, the hydraulic lifts were removed and a remedial excavation was performed in areas where hydrocarbon concentrations exceeded the cleanup criteria. The cylinders from Lifts 1, 2, and 3 were completely removed on March 7, 1996, prior to the remedial excavation. Impacted soils were excavated on March 7, 1996. Soils containing concentrations of hydraulic oil above 1,000 mg/kg were excavated from around Lifts 2 and 3. Because analytical results from the 3-foot samples at Lifts 2 and 3 were below cleanup guidance levels, additional confirmatory samples were not collected by Dames & Moore from the excavation.

A summary of remediation activities by lift is provided below.

Lift 2

The Lift 2 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 270 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Lift 3

The Lift 3 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 43 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Excavated soil was stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. Following excavation activities, the areas were backfilled with clean, imported soil and resurfaced with concrete.

3.4 WASTE MANAGEMENT

Excavated material from Lifts 1, 2, and 3 were stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. One small stockpile was created during the soil excavation. On March 7, 1996, a Dames & Moore representative collected four soil samples from the stockpile. The four samples were composited by the onsite mobile laboratory and the four-point composite sample was analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, and for metals by EPA Method 6010. Analytical results indicated 1,500 mg/kg of TRPH, 43 mg/kg of chromium, 57 mg/kg of nickel, and 33 mg/kg of zinc. On the basis of these results, the soil (approximately one cubic yard) was transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. A copy of the Non-Hazardous Waste Manifest is included in Appendix C.

Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

4.0 SUMMARY AND CONCLUSIONS

A total of three hydraulic lifts (Lifts 1, 2, and 3) were removed from the Automotive Center at Sears Store #1528. The three lifts were single-post lifts. Results of an initial soils assessment indicated that hydraulic oil concentrations exceeded cleanup guidance criteria (1,000 mg/kg) within certain areas. On the basis of these results, soils beneath Lifts 2 and 3 were overexcavated to a depth of 3 feet bgs.

Surface piping, supports, and associated equipment were removed from each of the three lifts. Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums.

Soil surrounding the lifts was excavated as needed to remove the lifts and stockpiled on site. The casings and surrounding excavations were backfilled with imported fill and resurfaced with concrete.

Approximately one cubic yard of excavated soil impacted with petroleum hydrocarbons were transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

On the basis of State and Federal regulations governing hydraulic oil contamination in soils, it is Dames & Moore's opinion that subsurface soils surrounding the former Lifts 1, 2, and 3 (removed during this remodel) have been remediated to environmentally acceptable conditions.

5.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations of the Site and our interpretation of the analytical data obtained. They are intended for the purpose outlined herein and at the Site location and project indicated. This report is for the sole use of Sears. The scope of the services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any re-use of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of the said user.

It should be recognized that this study was not intended to be a definitive investigation of contamination of the subject property, but is limited to the scope of hydraulic lift removal stated in this report. Opinions and conclusions presented herein apply to Site conditions existing at the time of the investigation. They cannot necessarily apply to changes at the Site of which this office is not aware and has not had the opportunity to evaluate. This report is intended for the use in its entirety; no excerpt may be taken to be representative of the findings of this investigation.

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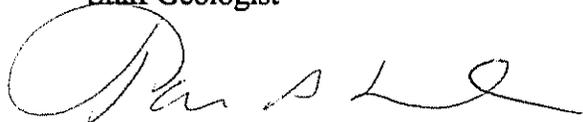
Please feel free to contact us if you have questions or require further assistance.

Respectfully submitted,

DAMES & MOORE

A handwritten signature in cursive script, appearing to read "Melissa Swartz".

Melissa Swartz
Staff Geologist

A handwritten signature in cursive script, appearing to read "Taras B. Kruk".

Taras B. Kruk, R.G.
Senior Geologist
Project Manager

Table 1
Soil Analytical Results
Former Sears Site #1528
San Rafael, California

Sample Location	Sample I.D.	Sample Depth (ft)	Sample Date	Notes	LABORATORY ANALYTICAL RESULTS*															
					TOTAL PETROLEUM HYDROCARBONS				AROMATIC HYDROCARBONS				PCBs	SVOCs	Metals					
					TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-h (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Aroclor 1260 (mg/kg)	bis-phthalate (mg/kg)	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	
1	1-0	0	3/7/96	2	< 200	< 200	87	--	--	--	--	--	--	--	--	--	--	--	--	
1	1-7	7	3/7/96	2	< 200	< 200	320	--	--	--	--	--	--	--	--	--	--	--	--	
2	2-0	0	3/7/96	1,4	< 200	< 200	5,500	--	< 0.03	< 0.03	< 0.03	< 0.1	0.48	2.5	--	--	--	--	--	
2	2-3	3	3/7/96	2	< 200	< 200	270	--	--	--	--	--	--	--	--	--	--	--	--	
2	2-7	7	3/7/96	2	< 200	< 200	220	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-0	0	3/7/96	1	< 200	< 200	11,000	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-3	3	3/7/96	2	< 200	< 200	43	--	--	--	--	--	--	--	--	--	--	--	--	
3	3-7	7	3/7/96	2	< 200	< 200	830	--	--	--	--	--	--	--	--	--	--	--	--	
SP	SP-1	--	3/7/96	5	--	--	--	1500	--	--	--	--	--	--	--	< 5	< 1	43	57	33

Explanation / Notes:
 * = Only detected compounds within the Bay Area sites are listed
 1. = Surrounding soils excavated and removed offsite.
 2. = Sample of soils remaining in place.
 3. = No Sample Recovery
 4. = Duplicate sample analysis.
 5. = Four point composite stockpile sample

< = Analytical result less than the detection limit indicated.
 -- = Either not sampled and/or not tested for given parameter
 TPH-g = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 (modified)
 TPH-d = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 (modified)
 TPH-h = Total Petroleum Hydrocarbons as hydraulic fluid by EPA Method 8015 (modified)
 TRPH = Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1
 BTEX = Volatile aromatic constituents Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020 or 8240
 Aroclor 1260 = polychlorinated biphenyl (PCB) by EPA Method 8080
 Metals analyzed by EPA Method 6010
 bis-phthalate = bis(2ethylhexyl)phthalate by EPA Method 8270

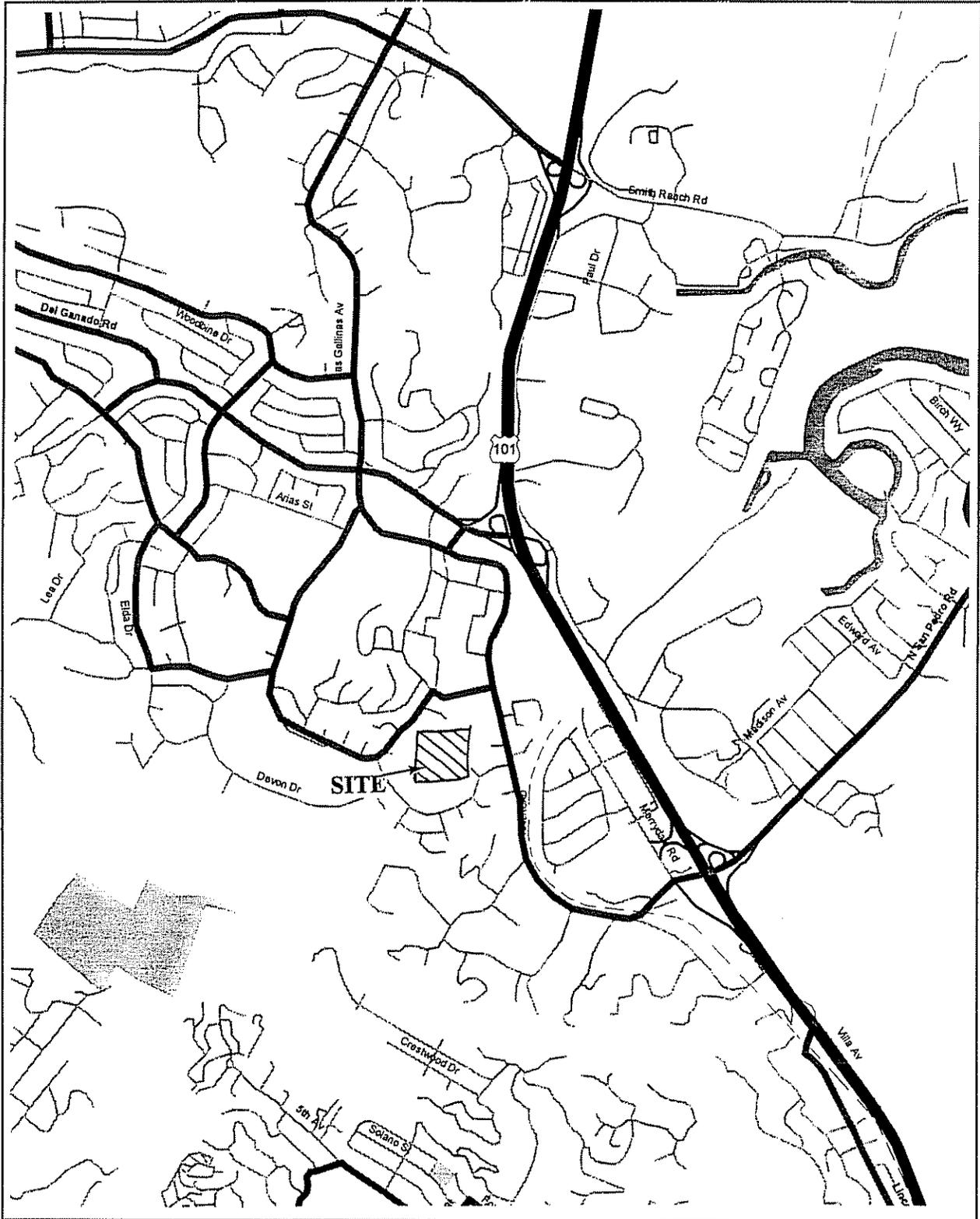
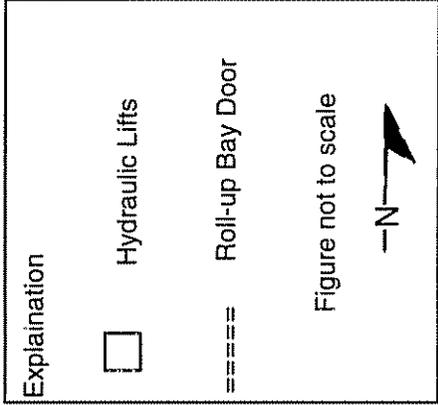
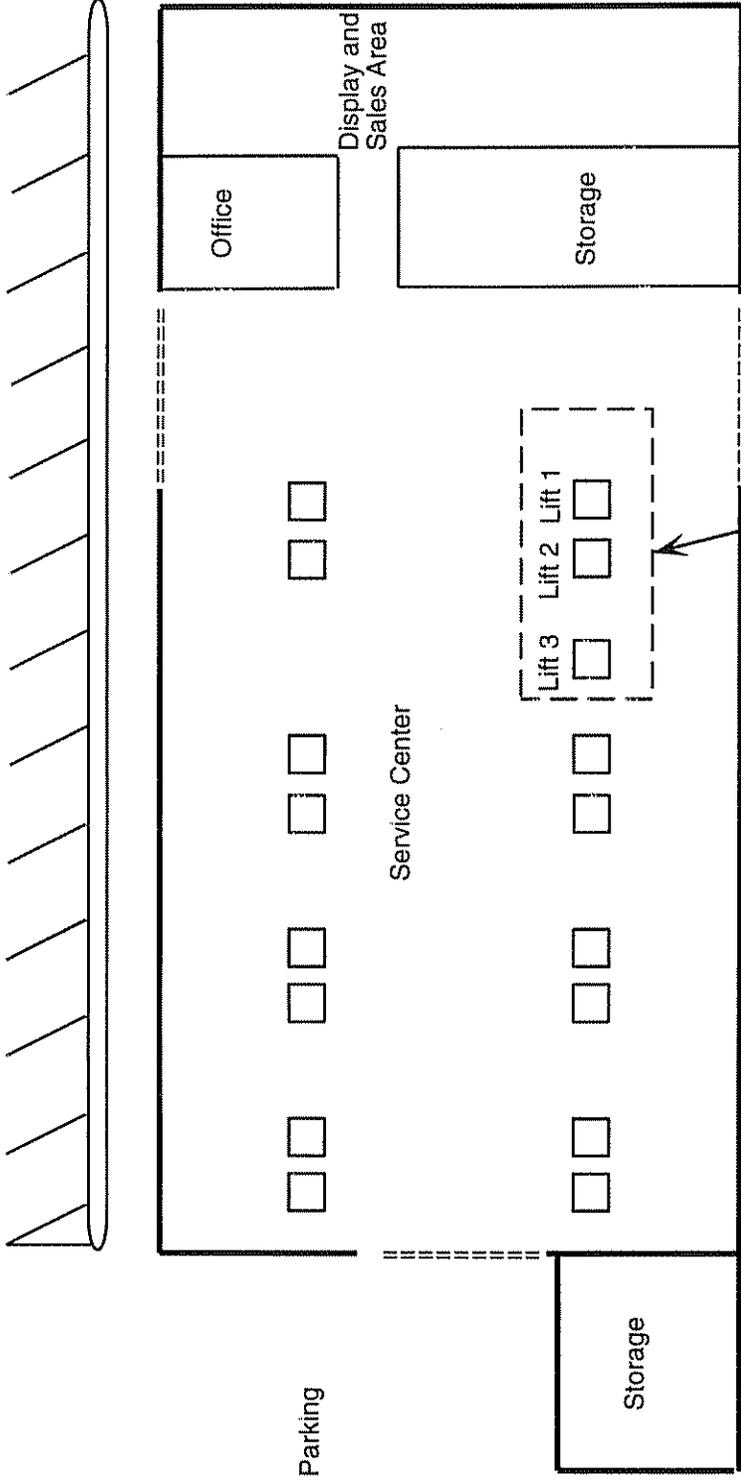


Figure 1
SITE VICINITY MAP
 Sears Automotive Center #1528
 San Rafael, CA



DAMES & MOORE

Parking



See Figure 3 for discreet sampling locations

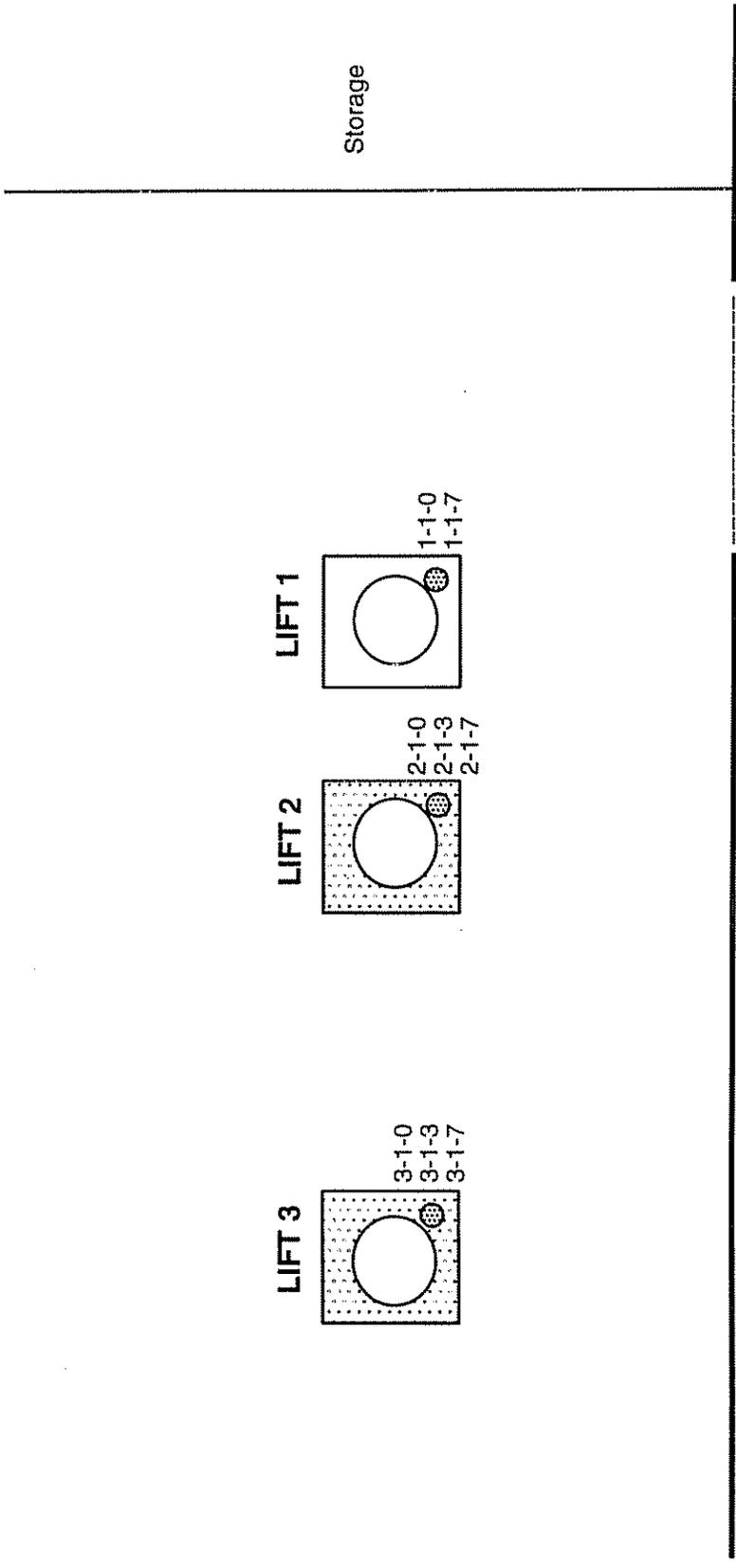
Site Plan

Dec 1996
 00188-166-043

Sears, Roebuck & Company
 Sears Automotive Center #1528
 San Rafael, California



Figure 2



Explanation

-  Hydraulic Lift
 -  Lift cylinder
 -  Roll-up bay door
 -  Area of Remedial Excavation
 -  Sample location showing sample number
- Figure not to scale
- N- 

Sample Location Map

Dec 1996
 00188-166-043

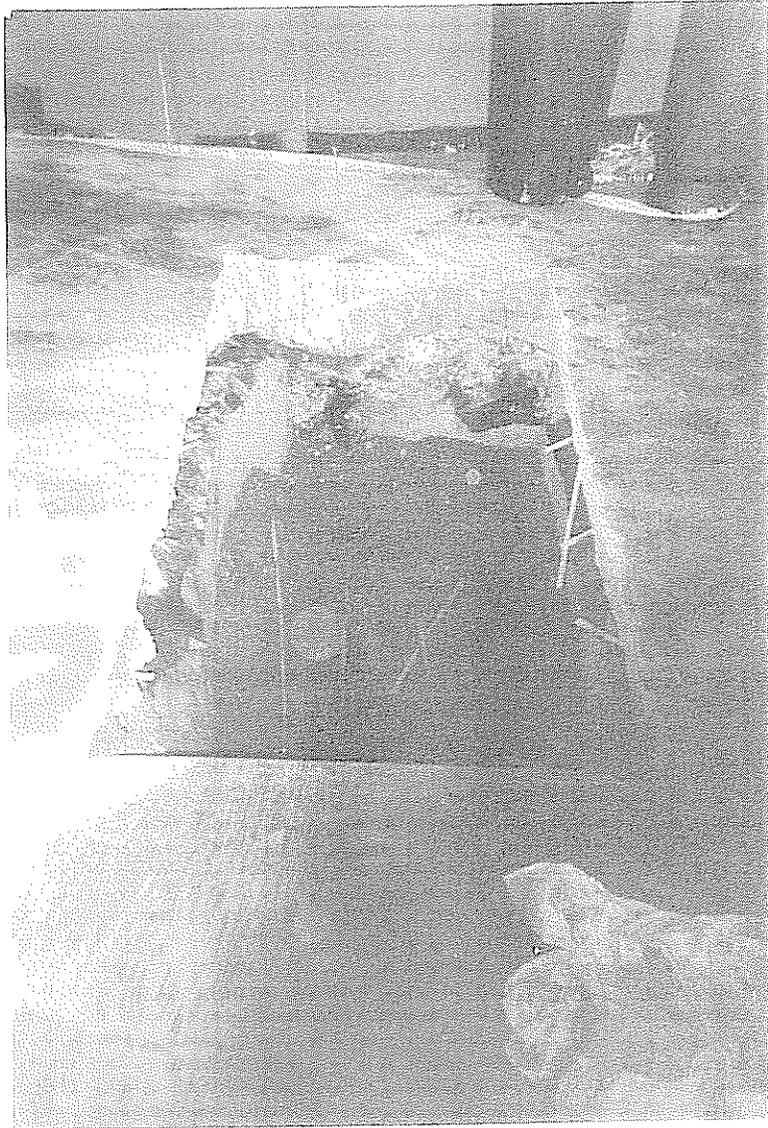
Sears, Roebuck & Company
 Sears Automotive Center #1528
 San Rafael, California

APPENDIX A

SITE PHOTOGRAPHS



Photograph 1. Lift 3 after cylinder has been removed



Photograph 2. Lift 2 after cylinder has been removed

APPENDIX B

LABORATORY REPORTS

ANALYTICAL REPORT

B C Analytical

1085 Shary Circle
 Concord, CA 94518
 510/825-3894
 Fax: 510/825-3924

LOG NO: G96-02-506

Received: 07 MAR 96
 Mailed : 26 APR 96

Mr. Branden Born
 Dames and Moore
 221 Main Street, Suite 600
 San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER		02-506-1
Semi-volatiles (8270)		
Date Analyzed		03/12/96
Date Extracted		03/12/96
Dilution Factor, Times		5
1,2,4-Trichlorobenzene, mg/kg		<1
1,2-Dichlorobenzene, mg/kg		<1
1,2-Diphenylhydrazine, mg/kg		<1
1,3-Dichlorobenzene, mg/kg		<1
1,4-Dichlorobenzene, mg/kg		<1
2,4,5-Trichlorophenol, mg/kg		<1
2,4,6-Trichlorophenol, mg/kg		<1
2,4-Dichlorophenol, mg/kg		<1
2,4-Dimethylphenol, mg/kg		<1
2,4-Dinitrophenol, mg/kg		<2
2,4-Dinitrotoluene, mg/kg		<1
2,6-Dinitrotoluene, mg/kg		<1
2-Chloronaphthalene, mg/kg		<1
2-Chlorophenol, mg/kg		<1
2-Methyl-4,6-dinitrophenol, mg/kg		<2
2-Methylnaphthalene, mg/kg		<1
2-Methylphenol (o-Cresol), mg/kg		<1
2-Nitroaniline, mg/kg		<1
2-Nitrophenol, mg/kg		<1
3,3'-Dichlorobenzidine, mg/kg		<2
3-Nitroaniline, mg/kg		<1
4-Bromophenylphenylether, mg/kg		<1
4-Chloro-3-methylphenol, mg/kg		<1
4-Chloroaniline, mg/kg		<1



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REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
4-Chlorophenylphenylether, mg/kg	<1	
4-Methylphenol (p-Cresol), mg/kg	<2	
4-Nitroaniline, mg/kg	<1	
4-Nitrophenol, mg/kg	<2	
Acenaphthene, mg/kg	<1	
Acenaphthylene, mg/kg	<1	
Aniline, mg/kg	<1	
Anthracene, mg/kg	<1	
Benzidine, mg/kg	<20	
Benzo(a)anthracene, mg/kg	<1	
Benzo(a)pyrene, mg/kg	<1	
Benzo(b)fluoranthene, mg/kg	<1	
Benzo(g,h,i)perylene, mg/kg	<1	
Benzo(k)fluoranthene, mg/kg	<1	
Benzyl Alcohol, mg/kg	<2	
Benzoic acid, mg/kg	<10	
Butylbenzylphthalate, mg/kg	<1	
Chrysene, mg/kg	<1	
Di-n-octylphthalate, mg/kg	<1	
Dibenzo(a,h)anthracene, mg/kg	<1	
Dibenzofuran, mg/kg	<1	
Dibutylphthalate, mg/kg	<1	
Diethylphthalate, mg/kg	<1	
Dimethylphthalate, mg/kg	<1	
Fluoranthene, mg/kg	<1	
Fluorene, mg/kg	<1	
Hexachlorobenzene, mg/kg	<1	

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Hexachlorobutadiene, mg/kg	<1	
Hexachlorocyclopentadiene, mg/kg	<2	
Hexachloroethane, mg/kg	<1	
Indeno(1,2,3-c,d)pyrene, mg/kg	<1	
Isophorone, mg/kg	<1	
N-Nitrosodimethylamine, mg/kg	<1	
N-Nitrosodiphenylamine, mg/kg	<1	
N-Nitrosodi-n-propylamine, mg/kg	<1	
Nitrobenzene, mg/kg	<1	
Naphthalene, mg/kg	<1	
Phenanthrene, mg/kg	<1	
Phenol, mg/kg	<1	
Pentachlorophenol, mg/kg	<2	
Pyrene, mg/kg	<1	
Pyridine, mg/kg	<2	
Bis(2-chloroethoxy)methane, mg/kg	<1	
Bis(2-chloroethyl)ether, mg/kg	<1	
Bis(2-chloroisopropyl)ether, mg/kg	<1	
Bis(2-ethylhexyl)phthalate, mg/kg	2.5	
Surrogates **		
2-Fluorobiphenyl Reported, mg/kg	2.18	
2-Fluorobiphenyl Theo., mg/kg	1.67	
2-Fluorophenol Reported, mg/kg	2.37	
2-Fluorophenol Theoretical, mg/kg	2.50	
2,4,6-Tribromophenol Rep., mg/kg	2.14	
2,4,6-Tribromophenol Theo., mg/kg	2.50	
Nitrobenzene-d5 Reported, mg/kg	1.88	

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Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Nitrobenzene-d5 Theoretical, mg/kg	1.67	
Phenol-d5 Reported, mg/kg	3.33	
Phenol-d5 Theoretical, mg/kg	2.50	
Terphenyl-d14 Reported, mg/kg	2.06	
Terphenyl-d14 Theoretical, mg/kg	1.67	
PCBs (8080)		
Date Analyzed	03/12/96	
Date Extracted	03/12/96	
Dilution Factor, Times	5	
Aroclor 1016, mg/kg	<0.2	
Aroclor 1221, mg/kg	<0.2	
Aroclor 1232, mg/kg	<0.2	
Aroclor 1242, mg/kg	<0.2	
Aroclor 1248, mg/kg	<0.2	
Aroclor 1254, mg/kg	<0.2	
Aroclor 1260, mg/kg	0.48	
Surrogates **		
Decachlorobiphenyl Reported, mg/kg	0.0113	
Decachlorobiphenyl Theoretical, mg/kg	0.0083	
Tetrachloro-meta-xylene Rpt., mg/kg	0.0090	
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	

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REPORT OF ANALYTICAL RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2~0'	07 MAR 96
PARAMETER	02-506-1	
Diesel/Hydraulic Oil (8015M)		
Date Analyzed	03/07/96	
Date Extracted	03/07/96	
Dilution Factor, Times	10	
Carbon Range, .	C23-C40	
Hydraulic Oil, mg/kg	5500	
Carbon Range, .	C13-C22	
Diesel, mg/kg	<200	
Other Diesel/Hydraulic Oil (8015M)	---	
Surrogates **		
Naphthalene Reported, mg/kg	37.4	
Naphthalene Theoretical, mg/kg	50.0	
Gasoline (8015M)		
Date Analyzed	03/07/96	
Date Extracted	03/07/96	
Dilution Factor, Times	10	
Gasoline, mg/kg	<200	
Carbon Range, .	C4-C12	
Other Gasoline (8015M)	---	
Surrogates **		
Naphthalene Reported, mg/kg	53.6	
Naphthalene Theoretical, mg/kg	50.0	

LOG NO: G96-02-506

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Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Vol.Pri.Poll. (8240)		
Date Analyzed	03/13/96	
Dilution Factor, Times	1	
1,1,1-Trichloroethane, mg/kg	<0.005	
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	
1,1,2-Trichloroethane, mg/kg	<0.005	
1,1-Dichloroethane, mg/kg	<0.005	
1,1-Dichloroethene, mg/kg	<0.005	
1,2-Dichloroethane, mg/kg	<0.005	
1,2-Dichlorobenzene, mg/kg	<0.005	
1,2-Dichloropropane, mg/kg	<0.005	
1,3-Dichlorobenzene, mg/kg	<0.005	
1,4-Dichlorobenzene, mg/kg	<0.005	
2-Chloroethylvinylether, mg/kg	<0.005	
2-Hexanone, mg/kg	<0.03	
Acetone, mg/kg	<0.1	
Acrolein, mg/kg	<0.3	
Acrylonitrile, mg/kg	<0.3	
Bromodichloromethane, mg/kg	<0.005	
Bromomethane, mg/kg	<0.005	
Benzene, mg/kg	<0.005	
Bromoform, mg/kg	<0.005	
Chlorobenzene, mg/kg	<0.005	
Carbon Tetrachloride, mg/kg	<0.005	
Chloroethane, mg/kg	<0.005	
Chloroform, mg/kg	<0.005	
Chloromethane, mg/kg	<0.005	

LOG NO: G96-02-506

Received: 07 MAR 96
Mailed : 26 APR 96

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San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-506-1	2-0'	07 MAR 96
PARAMETER	02-506-1	
Carbon Disulfide, mg/kg	<0.01	
Dibromochloromethane, mg/kg	<0.005	
Ethylbenzene, mg/kg	<0.005	
Freon 113, mg/kg	<0.01	
Methyl ethyl ketone, mg/kg	<0.03	
Methyl isobutyl ketone, mg/kg	<0.03	
Methylene chloride, mg/kg	<0.005	
Styrene, mg/kg	<0.005	
Trichloroethene, mg/kg	<0.005	
Trichlorofluoromethane, mg/kg	<0.005	
Toluene, mg/kg	<0.005	
Tetrachloroethene, mg/kg	<0.005	
Vinyl acetate, mg/kg	<0.05	
Vinyl chloride, mg/kg	<0.005	
Total Xylene Isomers, mg/kg	<0.02	
cis-1,2-Dichloroethene, mg/kg	<0.005	
cis-1,3-Dichloropropene, mg/kg	<0.005	
trans-1,2-Dichloroethene, mg/kg	<0.005	
trans-1,3-Dichloropropene, mg/kg	<0.005	
Other Vol.Pri.Poll. (8240)	---	
Surrogates **		
1,2-Dichloroethane-d4 Rep., mg/kg	0.0488	
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	
4-Bromofluorobenzene Rep., mg/kg	0.0475	
4-Bromofluorobenzene Theo., mg/kg	0.0500	
Toluene-d8 Reported, mg/kg	0.0478	
Toluene-d8 Theo., mg/kg	0.0500	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES					DATE SAMPLED
02-506-2	3-0'					07 MAR 96
02-506-3	1-0'					07 MAR 96
02-506-4	3-7'					07 MAR 96
02-506-5	1-7'					07 MAR 96
02-506-6	3-3'					07 MAR 96
PARAMETER	02-506-2	02-506-3	02-506-4	02-506-5	02-506-6	
Diesel/Hydraulic Oil (8015M)						
Date Analyzed	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96	
Date Extracted	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96	
Dilution Factor, Times	10	1	1	1	1	
Carbon Range, .	C23-C40	C23-C40	C23-C40	C23-C40	C23-C40	
Hydraulic Oil, mg/kg	11000	87	830	320	43	
Carbon Range, .	C13-C22	C13-C22	C13-C22	C13-C22	C13-C22	
Diesel, mg/kg	<200	<20	<20	<20	<20	
Other Diesel/Hydraulic Oil (8015M)	---	---	---	---	---	
Surrogates **						
Naphthalene Reported, mg/kg	50.2	50.4	60.6	59.3	55.9	
Naphthalene Theoretical, mg/kg	50.0	50.0	50.0	50.0	50.0	

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED			
02-506-2	3-0'	07 MAR 96			
02-506-3	1-0'	07 MAR 96			
02-506-4	3-7'	07 MAR 96			
02-506-5	1-7'	07 MAR 96			
02-506-6	3-3'	07 MAR 96			
PARAMETER	02-506-2	02-506-3	02-506-4	02-506-5	02-506-6
Gasoline (8015M)					
Date Analyzed	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
Date Extracted	03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
Dilution Factor, Times	10	1	1	1	1
Gasoline, mg/kg	<200	<20	<20	<20	<20
Carbon Range, .	C4-C12	C4-C12	C4-C12	C4-C12	C4-C12
Other Gasoline (8015M)	---	---	---	---	---
Surrogates **					
Naphthalene Reported, mg/kg	62.9	67.8	76.8	77.8	75.5
Naphthalene Theoretical, mg/kg	50.0	50.0	50.0	50.0	50.0

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED	
02-506-7	2-7'	07 MAR 96	
02-506-8	2-3'	07 MAR 96	
PARAMETER		02-506-7	02-506-8
Diesel/Hydraulic Oil (8015M)			
Date Analyzed		03/07/96	03/07/96
Date Extracted		03/07/96	03/07/96
Dilution Factor, Times		1	1
Carbon Range, .		C23-C40	C23-C40
Hydraulic Oil, mg/kg		220	270
Carbon Range, .		C13-C22	C13-C22
Diesel, mg/kg		<20	<20
Other Diesel/Hydraulic Oil (8015M)		---	---
Surrogates **			
Naphthalene Reported, mg/kg		56.4	58.4
Naphthalene Theoretical, mg/kg		50.0	50.0
Gasoline (8015M)			
Date Analyzed		03/07/96	03/07/96
Date Extracted		03/07/96	03/07/96
Dilution Factor, Times		1	1
Gasoline, mg/kg		<20	<20
Carbon Range, .		C4-C12	C4-C12
Other Gasoline (8015M)		---	---
Surrogates **			
Naphthalene Reported, mg/kg		69.5	73.3
Naphthalene Theoretical, mg/kg		50.0	50.0

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REPORT OF ANALYTICAL RESULTS

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Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9602506*1	2-0'	8270.HSL	03.12.96	8270	537-11	9645	6750
		8080.PCB	03.12.96	8080	536-26	9640	7616
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
9602506*2	3-0'	8240.HSL	03.13.96	8240	537-01	9650187	8659
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*3	1-0'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*4	3-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*5	1-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*6	3-3'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*7	2-7'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
9602506*8	2-3'	FUEL.TOT.GAS	03.07.96	8015M	516-07	963008	8171
		FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9602506

DATE REPORTED : 05/06/96

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Semi-volatiles	C6031257*1					
Date Analyzed	03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted	03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene	03.12.96	9645	2.72	3.33	mg/kg	82
1,2-Dichlorobenzene	03.12.96	9645	3.09	3.33	mg/kg	93
1,2-Diphenylhydrazine	03.12.96	9645	3.00	3.33	mg/kg	90
1,3-Dichlorobenzene	03.12.96	9645	2.70	3.33	mg/kg	81
1,4-Dichlorobenzene	03.12.96	9645	2.70	3.33	mg/kg	81
2,4,5-Trichlorophenol	03.12.96	9645	3.39	3.33	mg/kg	102
2,4,6-Trichlorophenol	03.12.96	9645	2.69	3.33	mg/kg	81
2,4-Dichlorophenol	03.12.96	9645	2.38	3.33	mg/kg	71
2,4-Dimethylphenol	03.12.96	9645	2.32	3.33	mg/kg	70
2,4-Dinitrophenol	03.12.96	9645	2.22	3.33	mg/kg	67
2,4-Dinitrotoluene	03.12.96	9645	2.80	3.33	mg/kg	84
2,6-Dinitrotoluene	03.12.96	9645	2.61	3.33	mg/kg	78
2-Chloronaphthalene	03.12.96	9645	2.43	3.33	mg/kg	73
2-Chlorophenol	03.12.96	9645	2.51	3.33	mg/kg	75
2-Methyl-4,6-dinitrophenol	03.12.96	9645	1.96	3.33	mg/kg	59
2-Methylnaphthalene	03.12.96	9645	2.27	3.33	mg/kg	68
2-Methylphenol (o-Cresol)	03.12.96	9645	2.80	3.33	mg/kg	84
2-Nitroaniline	03.12.96	9645	2.42	3.33	mg/kg	73
2-Nitrophenol	03.12.96	9645	2.55	3.33	mg/kg	77
3,3'-Dichlorobenzidine	03.12.96	9645	2.58	6.67	mg/kg	39
3-Nitroaniline	03.12.96	9645	2.18	3.33	mg/kg	65
4-Bromophenylphenylether	03.12.96	9645	2.55	3.33	mg/kg	77
4-Chloro-3-methylphenol	03.12.96	9645	2.59	3.33	mg/kg	78
4-Chloroaniline	03.12.96	9645	2.37	3.33	mg/kg	71
4-Chlorophenylphenylether	03.12.96	9645	2.61	3.33	mg/kg	78
4-Methylphenol (p-Cresol)	03.12.96	9645	2.63	3.33	mg/kg	79
4-Nitroaniline	03.12.96	9645	2.16	3.33	mg/kg	65
4-Nitrophenol	03.12.96	9645	2.54	3.33	mg/kg	76
Acenaphthene	03.12.96	9645	2.72	3.33	mg/kg	82
Acenaphthylene	03.12.96	9645	2.62	3.33	mg/kg	79
Aniline	03.12.96	9645	1.73	3.33	mg/kg	52
Anthracene	03.12.96	9645	2.38	3.33	mg/kg	71
Benzidine	03.12.96	9645	0	6.67	mg/kg	0 Q
Benzo(a)anthracene	03.12.96	9645	2.59	3.33	mg/kg	78
Benzo(a)pyrene	03.12.96	9645	2.51	3.33	mg/kg	75
Benzo(b)fluoranthene	03.12.96	9645	2.01	3.33	mg/kg	60
Benzo(g,h,i)perylene	03.12.96	9645	2.61	3.33	mg/kg	78
Benzo(k)fluoranthene	03.12.96	9645	2.68	3.33	mg/kg	80
Benzyl Alcohol	03.12.96	9645	2.46	3.33	mg/kg	74
Benzoic acid	03.12.96	9645	2.11	6.67	mg/kg	32
Butylbenzylphthalate	03.12.96	9645	3.25	3.33	mg/kg	98
Chrysene	03.12.96	9645	2.58	3.33	mg/kg	77

BC ANALYTICAL

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Di-n-octylphthalate	03.12.96	9645	2.92	3.33	mg/kg	88
Dibenzo(a,h)anthracene	03.12.96	9645	2.43	3.33	mg/kg	73
Dibenzofuran	03.12.96	9645	2.42	3.33	mg/kg	73
Dibutylphthalate	03.12.96	9645	2.71	3.33	mg/kg	81
Diethylphthalate	03.12.96	9645	2.46	3.33	mg/kg	74
Dimethylphthalate	03.12.96	9645	2.57	3.33	mg/kg	77
Fluoranthene	03.12.96	9645	2.47	3.33	mg/kg	74
Fluorene	03.12.96	9645	2.67	3.33	mg/kg	80
Hexachlorobenzene	03.12.96	9645	2.76	3.33	mg/kg	83
Hexachlorobutadiene	03.12.96	9645	2.89	3.33	mg/kg	87
Hexachlorocyclopentadiene	03.12.96	9645	3.98	3.33	mg/kg	120
Hexachloroethane	03.12.96	9645	3.02	3.33	mg/kg	91
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	2.31	3.33	mg/kg	69
Isophorone	03.12.96	9645	2.65	3.33	mg/kg	80
N-Nitrosodimethylamine	03.12.96	9645	3.97	3.33	mg/kg	119
N-Nitrosodiphenylamine	03.12.96	9645	1.73	3.33	mg/kg	52
N-Nitrosodi-n-propylamine	03.12.96	9645	2.79	3.33	mg/kg	84
Nitrobenzene	03.12.96	9645	2.89	3.33	mg/kg	87
Naphthalene	03.12.96	9645	2.37	3.33	mg/kg	71
Phenanthrene	03.12.96	9645	2.54	3.33	mg/kg	76
Phenol	03.12.96	9645	1.68	3.33	mg/kg	50
Pentachlorophenol	03.12.96	9645	2.23	3.33	mg/kg	67
Pyrene	03.12.96	9645	2.86	3.33	mg/kg	86
Bis(2-chloroethoxy)methane	03.12.96	9645	2.22	3.33	mg/kg	67
Bis(2-chloroethyl)ether	03.12.96	9645	3.27	3.33	mg/kg	98
Bis(2-chloroisopropyl)ether	03.12.96	9645	2.92	3.33	mg/kg	88
Bis(2-ethylhexyl)phthalate	03.12.96	9645	2.92	3.33	mg/kg	88
2-Fluorobiphenyl Reported	03.12.96	9645	1.82	1.67	mg/kg	109
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96	9645	2.57	2.50	mg/kg	103 Q
2-Fluorophenol Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96	9645	2.91	2.50	mg/kg	116
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96	9645	1.78	1.67	mg/kg	107
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96	9645	3.05	2.50	mg/kg	122 Q
Phenol-d5 Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
Terphenyl-d14 Reported	03.12.96	9645	1.63	1.67	mg/kg	98
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Semi-volatiles	C6031258*1					
Date Analyzed	03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted	03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene	03.12.96	9645	2.75	3.33	mg/kg	83
1,2-Dichlorobenzene	03.12.96	9645	3.16	3.33	mg/kg	95
1,2-Diphenylhydrazine	03.12.96	9645	2.97	3.33	mg/kg	89

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1,3-Dichlorobenzene	03.12.96	9645	2.81	3.33	mg/kg	84
1,4-Dichlorobenzene	03.12.96	9645	2.78	3.33	mg/kg	83
2,4,5-Trichlorophenol	03.12.96	9645	3.36	3.33	mg/kg	101
2,4,6-Trichlorophenol	03.12.96	9645	2.59	3.33	mg/kg	78
2,4-Dichlorophenol	03.12.96	9645	2.33	3.33	mg/kg	70
2,4-Dimethylphenol	03.12.96	9645	2.25	3.33	mg/kg	68
2,4-Dinitrophenol	03.12.96	9645	2.24	3.33	mg/kg	67
2,4-Dinitrotoluene	03.12.96	9645	2.95	3.33	mg/kg	89
2,6-Dinitrotoluene	03.12.96	9645	2.72	3.33	mg/kg	82
2-Chloronaphthalene	03.12.96	9645	2.45	3.33	mg/kg	74
2-Chlorophenol	03.12.96	9645	2.50	3.33	mg/kg	75
2-Methyl-4,6-dinitrophenol	03.12.96	9645	1.99	3.33	mg/kg	60
2-Methylnaphthalene	03.12.96	9645	2.29	3.33	mg/kg	69
2-Methylphenol (o-Cresol)	03.12.96	9645	2.77	3.33	mg/kg	83
2-Nitroaniline	03.12.96	9645	2.45	3.33	mg/kg	74
2-Nitrophenol	03.12.96	9645	2.44	3.33	mg/kg	73
3,3'-Dichlorobenzidine	03.12.96	9645	2.47	6.67	mg/kg	37
3-Nitroaniline	03.12.96	9645	2.24	3.33	mg/kg	67
4-Bromophenylphenylether	03.12.96	9645	2.58	3.33	mg/kg	77
4-Chloro-3-methylphenol	03.12.96	9645	2.55	3.33	mg/kg	77
4-Chloroaniline	03.12.96	9645	2.35	3.33	mg/kg	71
4-Chlorophenylphenylether	03.12.96	9645	2.94	3.33	mg/kg	88
4-Methylphenol (p-Cresol)	03.12.96	9645	2.61	3.33	mg/kg	78
4-Nitroaniline	03.12.96	9645	2.22	3.33	mg/kg	67
4-Nitrophenol	03.12.96	9645	2.47	3.33	mg/kg	74
Acenaphthene	03.12.96	9645	2.84	3.33	mg/kg	85
Acenaphthylene	03.12.96	9645	2.65	3.33	mg/kg	80
Aniline	03.12.96	9645	1.63	3.33	mg/kg	49
Anthracene	03.12.96	9645	2.41	3.33	mg/kg	72
Benzidine	03.12.96	9645	0	6.67	mg/kg	0 Q
Benzo(a)anthracene	03.12.96	9645	2.65	3.33	mg/kg	80
Benzo(a)pyrene	03.12.96	9645	2.54	3.33	mg/kg	76
Benzo(b)fluoranthene	03.12.96	9645	2.11	3.33	mg/kg	63
Benzo(g,h,i)perylene	03.12.96	9645	2.55	3.33	mg/kg	77
Benzo(k)fluoranthene	03.12.96	9645	2.81	3.33	mg/kg	84
Benzyl Alcohol	03.12.96	9645	2.48	3.33	mg/kg	74
Benzoic acid	03.12.96	9645	3.13	6.67	mg/kg	47
Butylbenzylphthalate	03.12.96	9645	3.37	3.33	mg/kg	101
Chrysene	03.12.96	9645	2.67	3.33	mg/kg	80
Di-n-octylphthalate	03.12.96	9645	2.99	3.33	mg/kg	90
Dibenzo(a,h)anthracene	03.12.96	9645	2.48	3.33	mg/kg	74
Dibenzofuran	03.12.96	9645	2.48	3.33	mg/kg	74
Dibutylphthalate	03.12.96	9645	2.79	3.33	mg/kg	84
Diethylphthalate	03.12.96	9645	2.54	3.33	mg/kg	76
Dimethylphthalate	03.12.96	9645	2.67	3.33	mg/kg	80

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Fluoranthene	03.12.96	9645	2.52	3.33	mg/kg	76
Fluorene	03.12.96	9645	2.71	3.33	mg/kg	81
Hexachlorobenzene	03.12.96	9645	2.74	3.33	mg/kg	82
Hexachlorobutadiene	03.12.96	9645	2.90	3.33	mg/kg	87
Hexachlorocyclopentadiene	03.12.96	9645	4.07	3.33	mg/kg	122
Hexachloroethane	03.12.96	9645	3.14	3.33	mg/kg	94
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	2.63	3.33	mg/kg	79
Isophorone	03.12.96	9645	2.66	3.33	mg/kg	80
N-Nitrosodimethylamine	03.12.96	9645	4.10	3.33	mg/kg	123
N-Nitrosodiphenylamine	03.12.96	9645	1.76	3.33	mg/kg	53
N-Nitrosodi-n-propylamine	03.12.96	9645	3.01	3.33	mg/kg	90
Nitrobenzene	03.12.96	9645	2.93	3.33	mg/kg	88
Naphthalene	03.12.96	9645	2.40	3.33	mg/kg	72
Phenanthrene	03.12.96	9645	2.56	3.33	mg/kg	77
Phenol	03.12.96	9645	2.44	3.33	mg/kg	73
Pentachlorophenol	03.12.96	9645	2.19	3.33	mg/kg	66
Pyrene	03.12.96	9645	2.99	3.33	mg/kg	90
Bis(2-chloroethoxy)methane	03.12.96	9645	2.28	3.33	mg/kg	68
Bis(2-chloroethyl)ether	03.12.96	9645	3.03	3.33	mg/kg	91
Bis(2-chloroisopropyl)ether	03.12.96	9645	2.91	3.33	mg/kg	87
Bis(2-ethylhexyl)phthalate	03.12.96	9645	2.96	3.33	mg/kg	89
2-Fluorobiphenyl Reported	03.12.96	9645	1.76	1.67	mg/kg	105
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96	9645	2.56	2.50	mg/kg	102 Q
2-Fluorophenol Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96	9645	2.66	2.50	mg/kg	106
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96	9645	1.74	1.67	mg/kg	104
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96	9645	2.99	2.50	mg/kg	120 Q
Phenol-d5 Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
Terphenyl-d14 Reported	03.12.96	9645	1.61	1.67	mg/kg	96
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
PCBs	C6031252*1					
Date Analyzed	03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted	03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260	03.13.96	9640	0.291	0.333	mg/kg	87
Decachlorobiphenyl Reported	03.13.96	9640	0.0095	0.0083	mg/kg	114
Decachlorobiphenyl Theoretical	03.13.96	9640	0.0083	0.0083	mg/kg	100
Tetrachloro-meta-xylene Rpt.	03.13.96	9640	0.0077	0.0083	mg/kg	93
Tetrachloro-meta-xylene Theor.	03.13.96	9640	0.0083	0.0083	mg/kg	100
4. PCBs	C6031253*1					
Date Analyzed	03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted	03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260	03.13.96	9640	0.260	0.333	mg/kg	78

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FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Decachlorobiphenyl Reported	03.13.96	9640	0.0102	0.0083	mg/kg	123
Decachlorobiphenyl Theoretical	03.13.96	9640	0.0083	0.0083	mg/kg	100
Tetrachloro-meta-xylene Rpt.	03.13.96	9640	0.0090	0.0083	mg/kg	108
Tetrachloro-meta-xylene Theor.	03.13.96	9640	0.0083	0.0083	mg/kg	100
Gasoline C6031254*1						
Date Analyzed	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Gasoline	03.07.96	963008	291	250	mg/kg	116
Naphthalene Reported	03.07.96	963008	67.6	50.0	mg/kg	135 Q
Naphthalene Theoretical	03.07.96	963008	50.0	50.0	mg/kg	100
Diesel/Hydraulic Oil C6031255*1						
Date Analyzed	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted	03.07.96	963008	03/07/96	03/07/96	Date	N/A
Hydraulic Oil	03.07.96	963008	473	500	mg/kg	95
Diesel	03.07.96	963008	505	500	mg/kg	101
Naphthalene Reported	03.07.96	963008	81.2	50.0	mg/kg	162 Q
Naphthalene Theoretical	03.07.96	963008	50.0	50.0	mg/kg	100
Vol.Pri.Poll. C6031387*1						
Date Analyzed	03.14.96	9650187	03/14/96	03/14/96	Date	N/A
1,1,1-Trichloroethane	03.14.96	9650187	0.0459	0.0500	mg/kg	92
1,1,2,2-Tetrachloroethane	03.14.96	9650187	0.0438	0.0500	mg/kg	88
1,1,2-Trichloroethane	03.14.96	9650187	0.0446	0.0500	mg/kg	89
1,1-Dichloroethane	03.14.96	9650187	0.0414	0.0500	mg/kg	83
1,1-Dichloroethene	03.14.96	9650187	0.0395	0.0500	mg/kg	79
1,2-Dichloroethane	03.14.96	9650187	0.0358	0.0500	mg/kg	72 Q
1,2-Dichlorobenzene	03.14.96	9650187	0.0468	0.0500	mg/kg	94
1,2-Dichloropropane	03.14.96	9650187	0.0404	0.0500	mg/kg	81
1,3-Dichlorobenzene	03.14.96	9650187	0.0475	0.0500	mg/kg	95
1,4-Dichlorobenzene	03.14.96	9650187	0.0463	0.0500	mg/kg	93
2-Chloroethylvinylether	03.14.96	9650187	0.0152	0.0500	mg/kg	30
2-Hexanone	03.14.96	9650187	0.0377	0.0500	mg/kg	75
Acetone	03.14.96	9650187	0.0255	0.0500	mg/kg	51
Acrolein	03.14.96	9650187	0.0818	0.500	mg/kg	16 Q
Acrylonitrile	03.14.96	9650187	0.324	0.500	mg/kg	65
Bromodichloromethane	03.14.96	9650187	0.0463	0.0500	mg/kg	93
Bromomethane	03.14.96	9650187	0.0542	0.0500	mg/kg	108
Benzene	03.14.96	9650187	0.0407	0.0500	mg/kg	81
Bromoform	03.14.96	9650187	0.0433	0.0500	mg/kg	87
Chlorobenzene	03.14.96	9650187	0.0470	0.0500	mg/kg	94
Carbon Tetrachloride	03.14.96	9650187	0.0440	0.0500	mg/kg	88
Chloroethane	03.14.96	9650187	0.0675	0.0500	mg/kg	135
Chloroform	03.14.96	9650187	0.0395	0.0500	mg/kg	79
Chloromethane	03.14.96	9650187	0.0480	0.0500	mg/kg	96
Carbon Disulfide	03.14.96	9650187	0.0388	0.0500	mg/kg	78
Dibromochloromethane	03.14.96	9650187	0.0448	0.0500	mg/kg	90

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PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Ethylbenzene	03.14.96	9650187	0.0480	0.0500	mg/kg	96
Freon 113	03.14.96	9650187	0.0536	0.0500	mg/kg	107
Methyl ethyl ketone	03.14.96	9650187	0.0271	0.0500	mg/kg	54
Methyl isobutyl ketone	03.14.96	9650187	0.0332	0.0500	mg/kg	66
Methylene chloride	03.14.96	9650187	0.0396	0.0500	mg/kg	79
Styrene	03.14.96	9650187	0.0466	0.0500	mg/kg	93
Trichloroethene	03.14.96	9650187	0.0391	0.0500	mg/kg	78
Trichlorofluoromethane	03.14.96	9650187	0.0575	0.0500	mg/kg	115
Toluene	03.14.96	9650187	0.0450	0.0500	mg/kg	90
Tetrachloroethene	03.14.96	9650187	0.0470	0.0500	mg/kg	94
Vinyl acetate	03.14.96	9650187	0.0226	0.0500	mg/kg	45
Vinyl chloride	03.14.96	9650187	0.0591	0.0500	mg/kg	118
Total Xylene Isomers	03.14.96	9650187	0.145	0.150	mg/kg	97
cis-1,2-Dichloroethene	03.14.96	9650187	0.0421	0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.14.96	9650187	0.0428	0.0500	mg/kg	86
trans-1,2-Dichloroethene	03.14.96	9650187	0.0415	0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.14.96	9650187	0.0417	0.0500	mg/kg	83
1,2-Dichloroethane-d4 Rep.	03.14.96	9650187	0.0480	0.0500	mg/kg	96
1,2-Dichloroethane-d4 Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.14.96	9650187	0.0481	0.0500	mg/kg	96
4-Bromofluorobenzene Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
Toluene-d8 Reported	03.14.96	9650187	0.0511	0.0500	mg/kg	102
Toluene-d8 Theo.	03.14.96	9650187	0.0500	0.0500	mg/kg	100
Vol.Pri.Poll.	C6031390*1					
Date Analyzed	03.13.96	9650187	03/13/96	03/13/96	Date	N/A
1,1,1-Trichloroethane	03.13.96	9650187	0.0395	0.0500	mg/kg	79
1,1,2,2-Tetrachloroethane	03.13.96	9650187	0.0504	0.0500	mg/kg	101
1,1,2-Trichloroethane	03.13.96	9650187	0.0497	0.0500	mg/kg	99
1,1-Dichloroethane	03.13.96	9650187	0.0407	0.0500	mg/kg	81
1,1-Dichloroethene	03.13.96	9650187	0.0411	0.0500	mg/kg	82
1,2-Dichloroethane	03.13.96	9650187	0.0370	0.0500	mg/kg	74 Q
1,2-Dichlorobenzene	03.13.96	9650187	0.0473	0.0500	mg/kg	95
1,2-Dichloropropane	03.13.96	9650187	0.0424	0.0500	mg/kg	85
1,3-Dichlorobenzene	03.13.96	9650187	0.0473	0.0500	mg/kg	95
1,4-Dichlorobenzene	03.13.96	9650187	0.0467	0.0500	mg/kg	93
2-Chloroethylvinylether	03.13.96	9650187	0.0268	0.0500	mg/kg	54
2-Hexanone	03.13.96	9650187	0.0493	0.0500	mg/kg	99
Acetone	03.13.96	9650187	0.0376	0.0500	mg/kg	75
Acrolein	03.13.96	9650187	0.126	0.500	mg/kg	25 Q
Acrylonitrile	03.13.96	9650187	0.432	0.500	mg/kg	86
Bromodichloromethane	03.13.96	9650187	0.0497	0.0500	mg/kg	99
Bromomethane	03.13.96	9650187	0.0461	0.0500	mg/kg	92
Benzene	03.13.96	9650187	0.0405	0.0500	mg/kg	81
Bromoform	03.13.96	9650187	0.0475	0.0500	mg/kg	95
Chlorobenzene	03.13.96	9650187	0.0492	0.0500	mg/kg	98

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Carbon Tetrachloride	03.13.96	9650187	0.0422	0.0500	mg/kg	84
Chloroethane	03.13.96	9650187	0.0538	0.0500	mg/kg	108
Chloroform	03.13.96	9650187	0.0373	0.0500	mg/kg	75
Chloromethane	03.13.96	9650187	0.0491	0.0500	mg/kg	98
Carbon Disulfide	03.13.96	9650187	0.0401	0.0500	mg/kg	80
Dibromochloromethane	03.13.96	9650187	0.0476	0.0500	mg/kg	95
Ethylbenzene	03.13.96	9650187	0.0497	0.0500	mg/kg	99
Freon 113	03.13.96	9650187	0.0487	0.0500	mg/kg	97
Methyl ethyl ketone	03.13.96	9650187	0.0366	0.0500	mg/kg	73
Methyl isobutyl ketone	03.13.96	9650187	0.0477	0.0500	mg/kg	95
Methylene chloride	03.13.96	9650187	0.0410	0.0500	mg/kg	82
Styrene	03.13.96	9650187	0.0476	0.0500	mg/kg	95
Trichloroethene	03.13.96	9650187	0.0382	0.0500	mg/kg	76
Trichlorofluoromethane	03.13.96	9650187	0.0526	0.0500	mg/kg	105
Toluene	03.13.96	9650187	0.0484	0.0500	mg/kg	97
Tetrachloroethene	03.13.96	9650187	0.0504	0.0500	mg/kg	101
Vinyl acetate	03.13.96	9650187	0.0466	0.0500	mg/kg	93
Vinyl chloride	03.13.96	9650187	0.0471	0.0500	mg/kg	94
Total Xylene Isomers	03.13.96	9650187	0.149	0.150	mg/kg	99
cis-1,2-Dichloroethene	03.13.96	9650187	0.0419	0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.13.96	9650187	0.0494	0.0500	mg/kg	99
trans-1,2-Dichloroethene	03.13.96	9650187	0.0415	0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.13.96	9650187	0.0489	0.0500	mg/kg	98
1,2-Dichloroethane-d4 Rep.	03.13.96	9650187	0.0486	0.0500	mg/kg	97
1,2-Dichloroethane-d4 Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.13.96	9650187	0.0473	0.0500	mg/kg	95
4-Bromofluorobenzene Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100
Toluene-d8 Reported	03.13.96	9650187	0.0499	0.0500	mg/kg	100
Toluene-d8 Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Semi-volatiles							
Date Analyzed		03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted		03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene		03.12.96	9645	2.72	2.75	mg/kg	1
1,2-Dichlorobenzene		03.12.96	9645	3.09	3.16	mg/kg	2
1,2-Diphenylhydrazine		03.12.96	9645	3.00	2.97	mg/kg	1
1,3-Dichlorobenzene		03.12.96	9645	2.70	2.81	mg/kg	4
1,4-Dichlorobenzene		03.12.96	9645	2.70	2.78	mg/kg	3
2,4,5-Trichlorophenol		03.12.96	9645	3.39	3.36	mg/kg	1
2,4,6-Trichlorophenol		03.12.96	9645	2.69	2.59	mg/kg	4
2,4-Dichlorophenol		03.12.96	9645	2.38	2.33	mg/kg	2
2,4-Dimethylphenol		03.12.96	9645	2.32	2.25	mg/kg	3
2,4-Dinitrophenol		03.12.96	9645	2.22	2.24	mg/kg	1
2,4-Dinitrotoluene		03.12.96	9645	2.80	2.95	mg/kg	5
2,6-Dinitrotoluene		03.12.96	9645	2.61	2.72	mg/kg	4
2-Chloronaphthalene		03.12.96	9645	2.43	2.45	mg/kg	1
2-Chlorophenol		03.12.96	9645	2.51	2.50	mg/kg	0
2-Methyl-4,6-dinitrophenol		03.12.96	9645	1.96	1.99	mg/kg	2
2-Methylnaphthalene		03.12.96	9645	2.27	2.29	mg/kg	1
2-Methylphenol (o-Cresol)		03.12.96	9645	2.80	2.77	mg/kg	1
2-Nitroaniline		03.12.96	9645	2.42	2.45	mg/kg	1
2-Nitrophenol		03.12.96	9645	2.55	2.44	mg/kg	4
3,3'-Dichlorobenzidine		03.12.96	9645	2.58	2.47	mg/kg	4
3-Nitroaniline		03.12.96	9645	2.18	2.24	mg/kg	3
4-Bromophenylphenylether		03.12.96	9645	2.55	2.58	mg/kg	1
4-Chloro-3-methylphenol		03.12.96	9645	2.59	2.55	mg/kg	2
4-Chloroaniline		03.12.96	9645	2.37	2.35	mg/kg	1
4-Chlorophenylphenylether		03.12.96	9645	2.61	2.94	mg/kg	12
4-Methylphenol (p-Cresol)		03.12.96	9645	2.63	2.61	mg/kg	1
4-Nitroaniline		03.12.96	9645	2.16	2.22	mg/kg	3
4-Nitrophenol		03.12.96	9645	2.54	2.47	mg/kg	3
Acenaphthene		03.12.96	9645	2.72	2.84	mg/kg	4
Acenaphthylene		03.12.96	9645	2.62	2.65	mg/kg	1
Aniline		03.12.96	9645	1.73	1.63	mg/kg	6
Anthracene		03.12.96	9645	2.38	2.41	mg/kg	1
Benzidine		03.12.96	9645	0	0	mg/kg	N/A
Benzo(a)anthracene		03.12.96	9645	2.59	2.65	mg/kg	2
Benzo(a)pyrene		03.12.96	9645	2.51	2.54	mg/kg	1
Benzo(b)fluoranthene		03.12.96	9645	2.01	2.11	mg/kg	5
Benzo(g,h,i)perylene		03.12.96	9645	2.61	2.55	mg/kg	2
Benzo(k)fluoranthene		03.12.96	9645	2.68	2.81	mg/kg	5
Benzyl Alcohol		03.12.96	9645	2.46	2.48	mg/kg	1
Benzoic acid		03.12.96	9645	2.11	3.13	mg/kg	39
Butylbenzylphthalate		03.12.96	9645	3.25	3.37	mg/kg	4
Chrysene		03.12.96	9645	2.58	2.67	mg/kg	3

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Di-n-octylphthalate		03.12.96	9645	2.92	2.99	mg/kg	2
Dibenzo(a,h)anthracene		03.12.96	9645	2.43	2.48	mg/kg	2
Dibenzofuran		03.12.96	9645	2.42	2.48	mg/kg	2
Dibutylphthalate		03.12.96	9645	2.71	2.79	mg/kg	3
Diethylphthalate		03.12.96	9645	2.46	2.54	mg/kg	3
Dimethylphthalate		03.12.96	9645	2.57	2.67	mg/kg	4
Fluoranthene		03.12.96	9645	2.47	2.52	mg/kg	2
Fluorene		03.12.96	9645	2.67	2.71	mg/kg	1
Hexachlorobenzene		03.12.96	9645	2.76	2.74	mg/kg	1
Hexachlorobutadiene		03.12.96	9645	2.89	2.90	mg/kg	0
Hexachlorocyclopentadiene		03.12.96	9645	3.98	4.07	mg/kg	2
Hexachloroethane		03.12.96	9645	3.02	3.14	mg/kg	4
Indeno(1,2,3-c,d)pyrene		03.12.96	9645	2.31	2.63	mg/kg	13
Isophorone		03.12.96	9645	2.65	2.66	mg/kg	0
N-Nitrosodimethylamine		03.12.96	9645	3.97	4.10	mg/kg	3
N-Nitrosodiphenylamine		03.12.96	9645	1.73	1.76	mg/kg	2
N-Nitrosodi-n-propylamine		03.12.96	9645	2.79	3.01	mg/kg	8
Nitrobenzene		03.12.96	9645	2.89	2.93	mg/kg	1
Naphthalene		03.12.96	9645	2.37	2.40	mg/kg	1
Phenanthrene		03.12.96	9645	2.54	2.56	mg/kg	1
Phenol		03.12.96	9645	1.68	2.44	mg/kg	37
Pentachlorophenol		03.12.96	9645	2.23	2.19	mg/kg	2
Pyrene		03.12.96	9645	2.86	2.99	mg/kg	4
Bis(2-chloroethoxy)methane		03.12.96	9645	2.22	2.28	mg/kg	3
Bis(2-chloroethyl)ether		03.12.96	9645	3.27	3.03	mg/kg	8
Bis(2-chloroisopropyl)ether		03.12.96	9645	2.92	2.91	mg/kg	0
Bis(2-ethylhexyl)phthalate		03.12.96	9645	2.92	2.96	mg/kg	1
2-Fluorobiphenyl Reported		03.12.96	9645	1.82	1.76	mg/kg	3
2-Fluorobiphenyl Theo.		03.12.96	9645	1.67	1.67	mg/kg	0
2-Fluorophenol Reported		03.12.96	9645	2.57	2.56	mg/kg	0
2-Fluorophenol Theoretical		03.12.96	9645	2.50	2.50	mg/kg	0
2,4,6-Tribromophenol Rep.		03.12.96	9645	2.91	2.66	mg/kg	9
2,4,6-Tribromophenol Theo.		03.12.96	9645	2.50	2.50	mg/kg	0
Nitrobenzene-d5 Reported		03.12.96	9645	1.78	1.74	mg/kg	2
Nitrobenzene-d5 Theoretical		03.12.96	9645	1.67	1.67	mg/kg	0
Phenol-d5 Reported		03.12.96	9645	3.05	2.99	mg/kg	2
Phenol-d5 Theoretical		03.12.96	9645	2.50	2.50	mg/kg	0
Terphenyl-d14 Reported		03.12.96	9645	1.63	1.61	mg/kg	1
Terphenyl-d14 Theoretical		03.12.96	9645	1.67	1.67	mg/kg	0
2 PCBs							
Date Analyzed		03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted		03.13.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260		03.13.96	9640	0.291	0.260	mg/kg	11
Decachlorobiphenyl Reported		03.13.96	9640	0.0095	0.0102	mg/kg	7
Decachlorobiphenyl Theoretical		03.13.96	9640	0.0083	0.0083	mg/kg	0

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ORDER QC REPORT FOR G9602506

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Tetrachloro-meta-xylene Rpt.		03.13.96	9640	0.0077	0.0090	mg/kg	16
Tetrachloro-meta-xylene Theor.		03.13.96	9640	0.0083	0.0083	mg/kg	0
3. Diesel/Hydraulic Oil							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Naphthalene Reported		03.07.96	963008	67.6	81.2	mg/kg	18
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0
Vol.Pri.Poll.							
Date Analyzed		03.14.96	9650187	03/14/96	03/13/96	Date	N/A
1,1,1-Trichloroethane		03.14.96	9650187	0.0459	0.0395	mg/kg	15
1,1,2,2-Tetrachloroethane		03.14.96	9650187	0.0438	0.0504	mg/kg	14
1,1,2-Trichloroethane		03.14.96	9650187	0.0446	0.0497	mg/kg	11
1,1-Dichloroethane		03.14.96	9650187	0.0414	0.0407	mg/kg	2
1,1-Dichloroethene		03.14.96	9650187	0.0395	0.0411	mg/kg	4
1,2-Dichloroethane		03.14.96	9650187	0.0358	0.0370	mg/kg	3
1,2-Dichlorobenzene		03.14.96	9650187	0.0468	0.0473	mg/kg	1
1,2-Dichloropropane		03.14.96	9650187	0.0404	0.0424	mg/kg	5
1,3-Dichlorobenzene		03.14.96	9650187	0.0475	0.0473	mg/kg	0
1,4-Dichlorobenzene		03.14.96	9650187	0.0463	0.0467	mg/kg	1
2-Chloroethyl vinyl ether		03.14.96	9650187	0.0152	0.0268	mg/kg	55
2-Hexanone		03.14.96	9650187	0.0377	0.0493	mg/kg	27
Acetone		03.14.96	9650187	0.0255	0.0376	mg/kg	38
Acrolein		03.14.96	9650187	0.0818	0.126	mg/kg	43
Acrylonitrile		03.14.96	9650187	0.324	0.432	mg/kg	29
Bromodichloromethane		03.14.96	9650187	0.0463	0.0497	mg/kg	7
Bromomethane		03.14.96	9650187	0.0542	0.0461	mg/kg	16
Benzene		03.14.96	9650187	0.0407	0.0405	mg/kg	0
Bromoform		03.14.96	9650187	0.0433	0.0475	mg/kg	9
Chlorobenzene		03.14.96	9650187	0.0470	0.0492	mg/kg	5
Carbon Tetrachloride		03.14.96	9650187	0.0440	0.0422	mg/kg	4
Chloroethane		03.14.96	9650187	0.0675	0.0538	mg/kg	23
Chloroform		03.14.96	9650187	0.0395	0.0373	mg/kg	6
Chloromethane		03.14.96	9650187	0.0480	0.0491	mg/kg	2
Carbon Disulfide		03.14.96	9650187	0.0388	0.0401	mg/kg	3
Dibromochloromethane		03.14.96	9650187	0.0448	0.0476	mg/kg	6
Ethylbenzene		03.14.96	9650187	0.0480	0.0497	mg/kg	3
Freon 113		03.14.96	9650187	0.0536	0.0487	mg/kg	10
Methyl ethyl ketone		03.14.96	9650187	0.0271	0.0366	mg/kg	30
Methyl isobutyl ketone		03.14.96	9650187	0.0332	0.0477	mg/kg	36
Methylene chloride		03.14.96	9650187	0.0396	0.0410	mg/kg	3
Styrene		03.14.96	9650187	0.0466	0.0476	mg/kg	2
Trichloroethene		03.14.96	9650187	0.0391	0.0382	mg/kg	2
Trichlorofluoromethane		03.14.96	9650187	0.0575	0.0526	mg/kg	9
Toluene		03.14.96	9650187	0.0450	0.0484	mg/kg	7
Tetrachloroethene		03.14.96	9650187	0.0470	0.0504	mg/kg	7

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ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Vinyl acetate		03.14.96	9650187	0.0226	0.0466	mg/kg	69 Q
Vinyl chloride		03.14.96	9650187	0.0591	0.0471	mg/kg	23
Total Xylene Isomers		03.14.96	9650187	0.145	0.149	mg/kg	3
cis-1,2-Dichloroethene		03.14.96	9650187	0.0421	0.0419	mg/kg	0
cis-1,3-Dichloropropene		03.14.96	9650187	0.0428	0.0494	mg/kg	14
trans-1,2-Dichloroethene		03.14.96	9650187	0.0415	0.0415	mg/kg	0
trans-1,3-Dichloropropene		03.14.96	9650187	0.0417	0.0489	mg/kg	16
1,2-Dichloroethane-d4 Rep.		03.14.96	9650187	0.0480	0.0486	mg/kg	1
1,2-Dichloroethane-d4 Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0
4-Bromofluorobenzene Rep.		03.14.96	9650187	0.0481	0.0473	mg/kg	2
4-Bromofluorobenzene Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0
Toluene-d8 Reported		03.14.96	9650187	0.0511	0.0499	mg/kg	2
Toluene-d8 Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0

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MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT	
PCBs	9602506*1							
Aroclor 1260		03.12.96	9640	NC	NC	0.48	mg/kg	NC
Decachlorobiphenyl	Reported	03.12.96	9640	100	100	0.0113	mg/kg	
Decachlorobiphenyl	Theoretical	03.12.96	9640	100	100	0.0083	mg/kg	
Tetrachloro-meta-xylene	Rpt.	03.12.96	9640	100	100	0.0090	mg/kg	
Tetrachloro-meta-xylene	Theor.	03.12.96	9640	100	100	0.0083	mg/kg	
Diesel/Hydraulic Oil	9602506*3							
Hydraulic Oil		03.07.96	963008	111	105	587	mg/kg	
Diesel		03.07.96	963008	126	121	500	mg/kg	
Naphthalene	Reported	03.07.96	963008	186 Q	199 Q	50.0	mg/kg	Q
Naphthalene	Theoretical	03.07.96	963008	100	100	50.0	mg/kg	
Gasoline	9602506*3							
Gasoline		03.07.96	963008	170	156	500	mg/kg	
Naphthalene	Reported	03.07.96	963008	172 Q	165 Q	50.0	mg/kg	Q
Naphthalene	Theoretical	03.07.96	963008	100	100	50.0	mg/kg	

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MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. PCBs 9602506*1							
Date Analyzed		03.12.96	9640	03/12/96	03/12/96	Date	N/A
Date Extracted		03.12.96	9640	03/12/96	03/12/96	Date	N/A
Aroclor 1260		03.12.96	9640	0.48	0.48	mg/kg	0
Decachlorobiphenyl Reported		03.12.96	9640	0.0113	0.0113	mg/kg	0
Decachlorobiphenyl Theoretical		03.12.96	9640	0.0083	0.0083	mg/kg	0
Tetrachloro-meta-xylene Rpt.		03.12.96	9640	0.0090	0.0090	mg/kg	0
Tetrachloro-meta-xylene Theor.		03.12.96	9640	0.0083	0.0083	mg/kg	0
2. Diesel/Hydraulic Oil 9602506*3							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Hydraulic Oil		03.07.96	963008	640	614	mg/kg	4
Diesel		03.07.96	963008	628	603	mg/kg	4
Naphthalene Reported		03.07.96	963008	92.8	99.4	mg/kg	7
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0
3. Gasoline 9602506*3							
Date Analyzed		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Date Extracted		03.07.96	963008	03/07/96	03/07/96	Date	N/A
Gasoline		03.07.96	963008	851	778	mg/kg	9
Naphthalene Reported		03.07.96	963008	86.2	82.3	mg/kg	5
Naphthalene Theoretical		03.07.96	963008	50.0	50.0	mg/kg	0

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Semi-volatiles	B603671*1					
Date Analyzed	03.12.96	9645	03/12/96	NA	Date	8270
Date Extracted	03.12.96	9645	03/12/96	NA	Date	8270
1,2,4-Trichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,2-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,2-Diphenylhydrazine	03.12.96	9645	0	0.2	mg/kg	8270
1,3-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
1,4-Dichlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
2,4,5-Trichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4,6-Trichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dichlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dimethylphenol	03.12.96	9645	0	0.2	mg/kg	8270
2,4-Dinitrophenol	03.12.96	9645	0	0.4	mg/kg	8270
2,4-Dinitrotoluene	03.12.96	9645	0	0.2	mg/kg	8270
2,6-Dinitrotoluene	03.12.96	9645	0	0.2	mg/kg	8270
2-Chloronaphthalene	03.12.96	9645	0	0.2	mg/kg	8270
2-Chlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
2-Methyl-4,6-dinitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
2-Methylnaphthalene	03.12.96	9645	0	0.2	mg/kg	8270
2-Methylphenol (o-Cresol)	03.12.96	9645	0	0.2	mg/kg	8270
2-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
2-Nitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
3,3'-Dichlorobenzidine	03.12.96	9645	0	0.4	mg/kg	8270
3-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Bromophenylphenylether	03.12.96	9645	0	0.2	mg/kg	8270
4-Chloro-3-methylphenol	03.12.96	9645	0	0.2	mg/kg	8270
4-Chloroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Chlorophenylphenylether	03.12.96	9645	0	0.2	mg/kg	8270
4-Methylphenol (p-Cresol)	03.12.96	9645	0	0.4	mg/kg	8270
4-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
4-Nitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
Acenaphthene	03.12.96	9645	0	0.2	mg/kg	8270
Acenaphthylene	03.12.96	9645	0	0.2	mg/kg	8270
Aniline	03.12.96	9645	0	0.2	mg/kg	8270
Anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Benzidine	03.12.96	9645	0	4	mg/kg	8270
Benzo(a)anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(a)pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(b)fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(g,h,i)perylene	03.12.96	9645	0	0.2	mg/kg	8270
Benzo(k)fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Benzyl Alcohol	03.12.96	9645	0	0.4	mg/kg	8270
Benzoic acid	03.12.96	9645	0	2	mg/kg	8270
Butylbenzylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Chrysene	03.12.96	9645	0	0.2	mg/kg	8270

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Di-n-octylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Dibenzo(a,h)anthracene	03.12.96	9645	0	0.2	mg/kg	8270
Dibenzofuran	03.12.96	9645	0	0.2	mg/kg	8270
Dibutylphthalate	03.12.96	9645	0.0057	0.2	mg/kg	8270
Diethylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Dimethylphthalate	03.12.96	9645	0	0.2	mg/kg	8270
Fluoranthene	03.12.96	9645	0	0.2	mg/kg	8270
Fluorene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorobenzene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorobutadiene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachlorocyclopentadiene	03.12.96	9645	0	0.2	mg/kg	8270
Hexachloroethane	03.12.96	9645	0	0.2	mg/kg	8270
Indeno(1,2,3-c,d)pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Isophorone	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodimethylamine	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodiphenylamine	03.12.96	9645	0	0.2	mg/kg	8270
N-Nitrosodi-n-propylamine	03.12.96	9645	0	0.2	mg/kg	8270
Nitrobenzene	03.12.96	9645	0	0.2	mg/kg	8270
Naphthalene	03.12.96	9645	0	0.2	mg/kg	8270
Phenanthrene	03.12.96	9645	0	0.2	mg/kg	8270
Phenol	03.12.96	9645	0	0.2	mg/kg	8270
Pentachlorophenol	03.12.96	9645	0	0.2	mg/kg	8270
Pyrene	03.12.96	9645	0	0.2	mg/kg	8270
Pyridine	03.12.96	9645	0	0.4	mg/kg	8270
Bis(2-chloroethoxy)methane	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-chloroethyl)ether	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-chloroisopropyl)ether	03.12.96	9645	0	0.2	mg/kg	8270
Bis(2-ethylhexyl)phthalate	03.12.96	9645	0.0070	0.4	mg/kg	8270
2-Fluorobiphenyl Reported	03.12.96	9645	1.36	0.2	mg/kg	8270
2-Fluorobiphenyl Theo.	03.12.96	9645	1.67	NA	mg/kg	8270
2-Fluorophenol Reported	03.12.96	9645	1.87	0.2	mg/kg	8270
2-Fluorophenol Theoretical	03.12.96	9645	2.50	NA	mg/kg	8270
2,4,6-Tribromophenol Rep.	03.12.96	9645	1.71	0.2	mg/kg	8270
2,4,6-Tribromophenol Theo.	03.12.96	9645	2.50	NA	mg/kg	8270
Nitrobenzene-d5 Reported	03.12.96	9645	1.27	0.2	mg/kg	8270
Nitrobenzene-d5 Theoretical	03.12.96	9645	1.67	NA	mg/kg	8270
Phenol-d5 Reported	03.12.96	9645	2.40	0.2	mg/kg	8270
Phenol-d5 Theoretical	03.12.96	9645	2.50	NA	mg/kg	8270
Terphenyl-d14 Reported	03.12.96	9645	1.27	0.2	mg/kg	8270
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	NA	mg/kg	8270
PCBs		B603666*1				
Date Analyzed	03.12.96	9640	03/12/96	NA	Date	8080
Date Extracted	03.12.96	9640	03/12/96	NA	Date	8080
Aroclor 1016	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1221	03.12.96	9640	0	0.03	mg/kg	8080

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METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Aroclor 1232	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1242	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1248	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1254	03.12.96	9640	0	0.03	mg/kg	8080
Aroclor 1260	03.12.96	9640	0	0.03	mg/kg	8080
Decachlorobiphenyl Reported	03.12.96	9640	0.0085	0.002	mg/kg	8080
Decachlorobiphenyl Theoretical	03.12.96	9640	0.0083	NA	mg/kg	8080
Tetrachloro-meta-xylene Rpt.	03.12.96	9640	0.0082	0.002	mg/kg	8080
Tetrachloro-meta-xylene Theor.	03.12.96	9640	0.0083	NA	mg/kg	8080
3. Gasoline B603667*1						
Date Analyzed	03.07.96	963008	03/07/96	NA	Date	8015M
Date Extracted	03.07.96	963008	03/07/96	NA	Date	8015M
Gasoline	03.07.96	963008	0	NA	mg/kg	8015M
Naphthalene Reported	03.07.96	963008	60.3	1	mg/kg	8015M
Naphthalene Theoretical	03.07.96	963008	50.0	NA	mg/kg	8015M
4. Diesel/Hydraulic Oil B603668*1						
Date Analyzed	03.07.96	963008	03/07/96	NA	Date	8015M
Date Extracted	03.07.96	963008	03/07/96	NA	Date	8015M
Hydraulic Oil	03.07.96	963008	0	NA	mg/kg	8015M
Diesel	03.07.96	963008	0	10	mg/kg	8015M
Naphthalene Reported	03.07.96	963008	42.9	1	mg/kg	8015M
Naphthalene Theoretical	03.07.96	963008	50.0	NA	mg/kg	8015M
5. Vol.Pri.Poll. B603724*1						
Date Analyzed	03.13.96	9650187	03/13/96	NA	Date	8240
1,1,1-Trichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1,2,2-Tetrachloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1,2-Trichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1-Dichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,1-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloropropane	03.13.96	9650187	0	0.005	mg/kg	8240
1,3-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
1,4-Dichlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
2-Chloroethylvinylether	03.13.96	9650187	0	0.005	mg/kg	8240
2-Hexanone	03.13.96	9650187	0	0.03	mg/kg	8240
Acetone	03.13.96	9650187	0.012	0.1	mg/kg	8240
Acrolein	03.13.96	9650187	0	0.3	mg/kg	8240
Acrylonitrile	03.13.96	9650187	0	0.3	mg/kg	8240
Bromodichloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Bromomethane	03.13.96	9650187	0	0.005	mg/kg	8240
Benzene	03.13.96	9650187	0	0.005	mg/kg	8240
Bromoform	03.13.96	9650187	0	0.005	mg/kg	8240
Chlorobenzene	03.13.96	9650187	0	0.005	mg/kg	8240
Carbon Tetrachloride	03.13.96	9650187	0	0.005	mg/kg	8240

BC ANALYTICAL

ORDER QC REPORT FOR G9602506

DATE REPORTED : 05/06/96

Page 4

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Chloroethane	03.13.96	9650187	0	0.005	mg/kg	8240
Chloroform	03.13.96	9650187	0	0.005	mg/kg	8240
Chloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Carbon Disulfide	03.13.96	9650187	0	0.01	mg/kg	8240
Dibromochloromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Ethylbenzene	03.13.96	9650187	0	0.005	mg/kg	8240
Freon 113	03.13.96	9650187	0	0.01	mg/kg	8240
Methyl ethyl ketone	03.13.96	9650187	0	0.03	mg/kg	8240
Methyl isobutyl ketone	03.13.96	9650187	0	0.03	mg/kg	8240
Methylene chloride	03.13.96	9650187	0.0016	0.005	mg/kg	8240
Styrene	03.13.96	9650187	0	0.005	mg/kg	8240
Trichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
Trichlorofluoromethane	03.13.96	9650187	0	0.005	mg/kg	8240
Toluene	03.13.96	9650187	0	0.005	mg/kg	8240
Tetrachloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
Vinyl acetate	03.13.96	9650187	0	0.05	mg/kg	8240
Vinyl chloride	03.13.96	9650187	0	0.005	mg/kg	8240
Total Xylene Isomers	03.13.96	9650187	0	0.02	mg/kg	8240
cis-1,2-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
cis-1,3-Dichloropropene	03.13.96	9650187	0	0.005	mg/kg	8240
trans-1,2-Dichloroethene	03.13.96	9650187	0	0.005	mg/kg	8240
trans-1,3-Dichloropropene	03.13.96	9650187	0	0.005	mg/kg	8240
1,2-Dichloroethane-d4 Rep.	03.13.96	9650187	0.0472	0.005	mg/kg	8240
1,2-Dichloroethane-d4 Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240
4-Bromofluorobenzene Rep.	03.13.96	9650187	0.0478	0.005	mg/kg	8240
4-Bromofluorobenzene Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240
Toluene-d8 Reported	03.13.96	9650187	0.0476	0.005	mg/kg	8240
Toluene-d8 Theo.	03.13.96	9650187	0.0500	NA	mg/kg	8240

CHAIN OF CUSTODY RECORD

BCA Log Number

02000101

Client name: <u>MAJES & Associates</u>		Project or PO#		185 101 013									
Address: <u>221 Main St, Lowell</u>		Phone #		<u>978 243 2985</u>									
City, State, Zip: <u>Low MA 01802</u>		Report attention:		<u>FORWARDED FOR</u>									
Lab Sample number	Date sampled	Time sampled	Type See key below	Sampled by	Sample description	Number of containers	Analyses required		Remarks				
							Hazardous sample	Special handling required					
1	3/1/96	1136	SL	JAC	20'	1							
2		1150			3-0'	1							
3		1223			1-0'	1							
4		1351			3-3'	1							
5		1421			1-1'	1							
6		1558			3-3'	1							
7		1536			2-1'	1							
8		1600			2-3'	1							
Signature						Print Name		Company		Date		Time	
Relinquished by													
Received by <u>JAC</u>						<u>ROBERT D. BELMONT</u>		<u>LOWELL</u>		<u>3/1/96</u>		<u>11</u>	
Relinquished by <u>JAC</u>						<u>FORWARDED</u>		<u>LOWELL</u>		<u>3/1/96</u>		<u>11</u>	
Received by													
Relinquished by													
Received by Laboratory													

BC ANALYTICAL

1085 Shary Circle, Concord, CA 94518 (610) 825-3894
 801 Western Avenue, Glendale, CA 91201 (818) 247-5737
 1000 Gene ... Way, Ar ... CA 90007 (714) 977-1133

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
 Hazardous samples will be returned to client or disposed of at client's expense.

Disposal arrangements: _____

*KEY: AG—Aqueous NA—Nonaqueous SL—Sludge
 GW—Groundwater SO—Soil PE—Petroleum

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

WITH #001713

NON-HAZARDOUS

001716
1.0T

MATERIALS MANIFEST

GENERATOR

Scars

Site Address: 9000 Northgate San Rafael CA
Mailing: Dept 824 C 3333 Beverly Rd, Hallman Estates IL 60179
Phone: (817) 286-8686 Contact: Gary Taylor

TRANSPORTER

Dem Beste Transportation

Address: 930 Shulah Rd Bldg 44
Windsor CA 95492
Phone: (707) 838-1407 Contact: Lori Dem Beste

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Name: Steve Moran Signature: [Signature]
Truck No: 15 Ship Date: 4-30-96
Time of Pick-Up: 11:00 Am Time of Delivery:

Consultant/Owner

Dames + Moore

Address: 221 Main St Ste 600
SE CA 94105
Phone: (415) 896-5858 Contact: Branden Born

I hereby certify that the above named material is consistent with the information presented in the Waste Characterization Form and Contaminated Soil Description Form, and has been properly described, classified and packaged, and is in proper condition for transport according to applicable regulation.

Name: [Signature] Date: 4/24/96

Recycling Facility

REMEDIAL ENVIRONMENTAL MARKETING CO. INC.
2717 GOODRICK AVENUE RICHMOND, CA 94801

RECEIVED BY: [Signature]
DATE: 4/30/96
Control No: P 180

A COPY OF THIS SHEET MUST ACCOMPANY EVERY LOAD, AND MUST BE SUBMITTED AT THE GATE FOR ENTRY. ALL LOADS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. DELIVERIES MUST BE SCHEDULED ON A DAILY BASIS. ANY UNSCHEDULED LOADS MAY BE REFUSED AT THE GATE.



March 23, 1999

Captain Bradley Mark
City of San Rafael Fire Department
Hazardous Materials Division
1039 C Street
San Rafael, CA 94901

Subject: Request for Closure
Sears, Roebuck and Co. Automotive Center No. 1528
9000 Northgate Mall
San Rafael, California

Dear Captain Mark:

IT Corporation (formerly Fluor Daniel GTI), on behalf of Sears, Roebuck and Co. (Sears), submits this information to substantiate no further action at the subject site. See attachment 1, figure 1 for the site location, figure 2 for a plot plan showing existing site features, figures 3 and 4 for soil analytical results and their respective locations. Analytical results are provided in attachment 2, and include tables 1, 2, and 3, with laboratory data. Analytical laboratory results are provided in attachment 3. The Underground Storage Tank Closure Review Form is provided in attachment 4, and waste removal documentation is provided in attachment 5.

Closure is requested on the basis of:

- Hydrocarbon source removal completed four years ago: several underground storage tanks (USTs) removed containing gasoline, used-oil, and motor oil. Product lines and fuel dispenser islands were removed between November 29, and December 1, 1994 as described in the *Dispenser Island and Product Line Removal Report* for Sears Store 1528, dated July 1, 1996 (Fluor Daniel GTI, 1996).
- Approximately 32 cubic yards of hydrocarbon-impacted, soil was removed from the site in May 1995.
- Original concentrations of compounds detected at a maximum depth of 4 feet below grade (bg).
- Highest concentrations of compounds originally reported in excavated soil removed from site.
- Impacted soil is within the upper 3 to 4 feet of the subsurface and attenuates with increased depths.

IT Corporation

757 Arnold Drive, Suite D
Martinez, CA 94553-6526
Tel. 925.370.3990
Fax. 925.370.3991

A Member of The IT Group

- Site remains covered with asphalt, which prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.

Based on available site information, IT Corporation proposes that this site meets State Water Resources Control Board criteria for closure as low-risk. Site closure concurrence is therefore requested of the San Rafael Fire Department. Attached please find a UST closure request form (based on Environmental Protection Agency [EPA] format).

GEOLOGY AND HYDROGEOLOGY

According to the visual observations during excavation, soil types at the site consist primarily of 4 to 6 inches of gravels over a gravelly, moist clay mixture, to a depth of 4 feet, the maximum depth explored. IT Corporation encountered non-native sands in pipe trenches and immediately beneath fuel islands. Site-specific lithology cannot be determined as the maximum depth explored was 4 feet below grade. Groundwater was not encountered during excavation.

CLOSURE GOALS

In alignment with current State UST Reimbursement Fund policies, the goals of hydrocarbon remediation at this site include: 1) removal of the primary source of the hydrocarbon-impaction (USTs), removal of product lines, motor and used oil lines, and fuel dispensers. 2) overexcavation and removal of impacted soil to off-site facility for thermal treatment. 3) Delineation of plume migration.

Hydrocarbon Source Removal

Information provided by Sears indicates two USTs containing gasoline, one UST containing used-oil, an unknown number of motor oil USTs and the product dispensers were removed during demolition activity prior to 1994. The exact dates of the UST removal are not known. IT Corporation was not supplied with additional information relating to the UST removal and is not aware of any other subsurface investigations, current or other conducted at this site.

Demolition and removal of the dispenser islands and product lines took place between November 29, and December 1, 1994 (Fluor Daniel GTI, July 1996). The dispenser islands, gasoline product lines, vent lines, motor oil supply lines, and used-oil lines were removed by Norm Wilson and Sons, Inc., Paramount, California. Soil samples were collected beneath the dispenser islands, along the product

line trenches and lateral and vertical extent of the excavation to characterize the stockpiled soil for disposal under the direction of the San Rafael Fire Department (SRFD) in San Rafael California.

A total of 17 soil samples were collected from underneath the dispenser islands, gasoline product lines, vent lines, and the lateral and vertical extent of the excavation at depths of 2 to 4 feet beneath the piping on November 29, 1994. Soil samples collected were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- benzene, toluene, ethylbenzene, and total xylenes, BTEX; (EPA Method 8020)
- total lead, (EPA Method 6010)

Five soil samples were collected from underneath the used-oil lines, oil supply lines, and motor oil supply lines at 5 feet below the piping. The soil samples were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- total petroleum hydrocarbons as diesel, TPH-d; (EPA Method 8015 Modified)
- total recoverable petroleum hydrocarbons, TRPH; (EPA Method 418.1)
- volatile organic compounds, VOCs; (EPA Methods 8240)
- California Assessment Manual (CAM) for metals; (EPA 6000/7000 series analysis)

Concentrations of hydrocarbons were not detected in any of the soil samples from the dispenser island, product line and main trench areas. Concentrations of total lead were detected in 16 of the 17 soil samples from the dispenser island and product line and main trench areas, with a maximum of 11 milligrams per kilogram (mg/kg) total lead reported in sample number BTE-1/3 from fuel island B at 3 feet bg.

No concentrations of hydrocarbons or VOCs were reported in the samples collected from the dispenser Island area (table 1). Concentrations of TRPH were detected in three of the five soil samples from the motor and used oil product line areas, with a maximum of 19 mg/kg in sample WO-2/4, at 4 feet bg from the used oil supply line area. CAM metals results indicated maximum concentrations of 210 mg/kg for total chromium in sample NO-3/5 at 2 feet bg from the motor oil supply line area.

Reduction of Residual Hydrocarbons

Currently there are no open excavations or construction projects at the site that would expose soil containing hydrocarbons. The site is covered with asphalt and concrete and there does not appear to be any potential risk of exposing the public to soil containing hydrocarbons.

REQUEST FOR CLOSURE

In alignment with current SRFD policies, site closure is requested at this site. No additional work is planned at this site pending agency response to this request for closure.

Please contact Melissa Gossell at (925) 370-3990, extension 266 if you have questions or comments about this correspondence.

Sincerely,
IT CORPORATION
Submitted by:

IT CORPORATION
Approved by:

Kevin McIlvenna for I.C.M.
Kevin McIlvenna
Staff Environmental Scientist

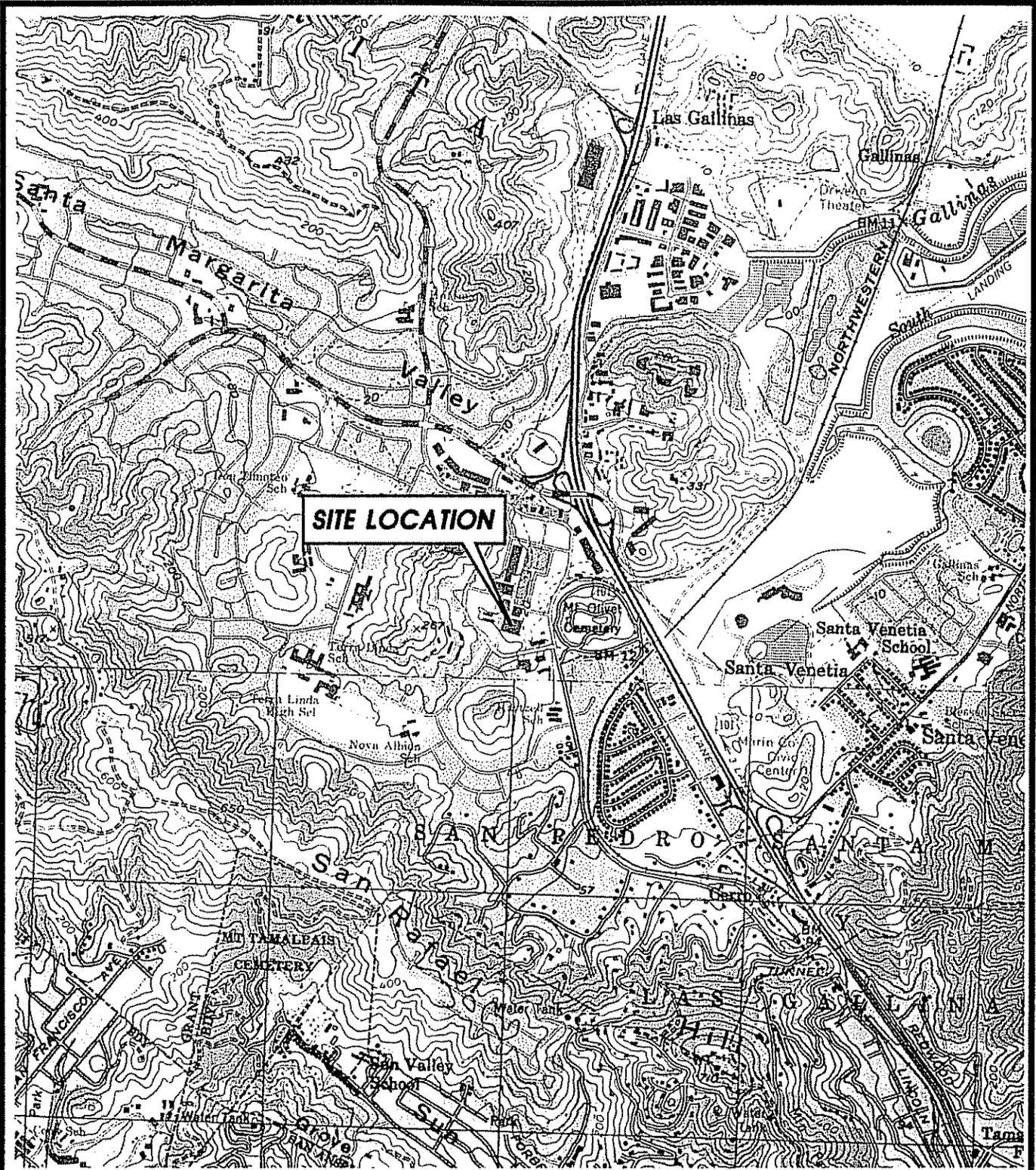
Melissa Gossell
Melissa Gossell, R.E.A.
West Zone Project Manager

c: Scott DeMuth, Sears
USA Petroleum File
Russ Zora, Central Files, Lenexa, KS
Project File

Attachments

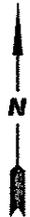
1. Figures
2. Data Tables
3. Analytical Laboratory Reports
4. Underground Storage Tank Closure Review Form
5. Waste Removal Documentation

Attachment 1
Figures



ITT CORPORATION

SOURCE: U.S.G.S. 7.5' QUAD SHEETS
NOVATO & SAN RAFAEL, CALIFORNIA
PHOTOREVISED 1980



SCALE:

0 FEET 2000

SITE LOCATION MAP

CLIENT:

SEARS ROEBUCK, & COMPANY
STORE NUMBER 1528

DATE:

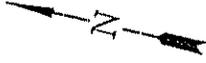
11/20/98

LOCATION:

9000 NORTHGATE MALL
SAN RAFAEL, CALIFORNIA

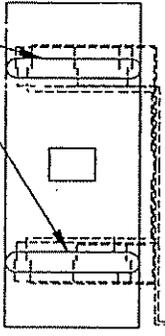
FIGURE:

1



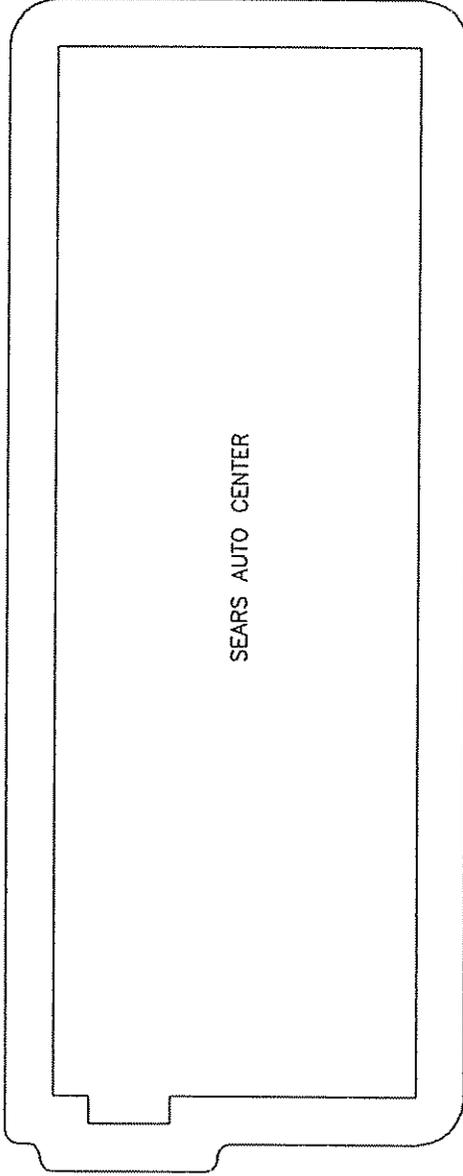
LOS RANCHITOS ROAD

FORMER
DISPENSER
ISLANDS



FORMER
UNDERGROUND
STORAGE TANKS

FORMER
USED OIL TANK
(APPROX. LOC.) []



SEARS AUTO CENTER

NOTE:
1. MAP ADAPTED FROM SITE PLAN, PARKIN ARCHITECTS,
ENGINEERS & PLANNERS, 05/17/71.



FLUOR DANIEL GTI

PROJECT NO.:
020200025

0025SM (1:480)

REV.:

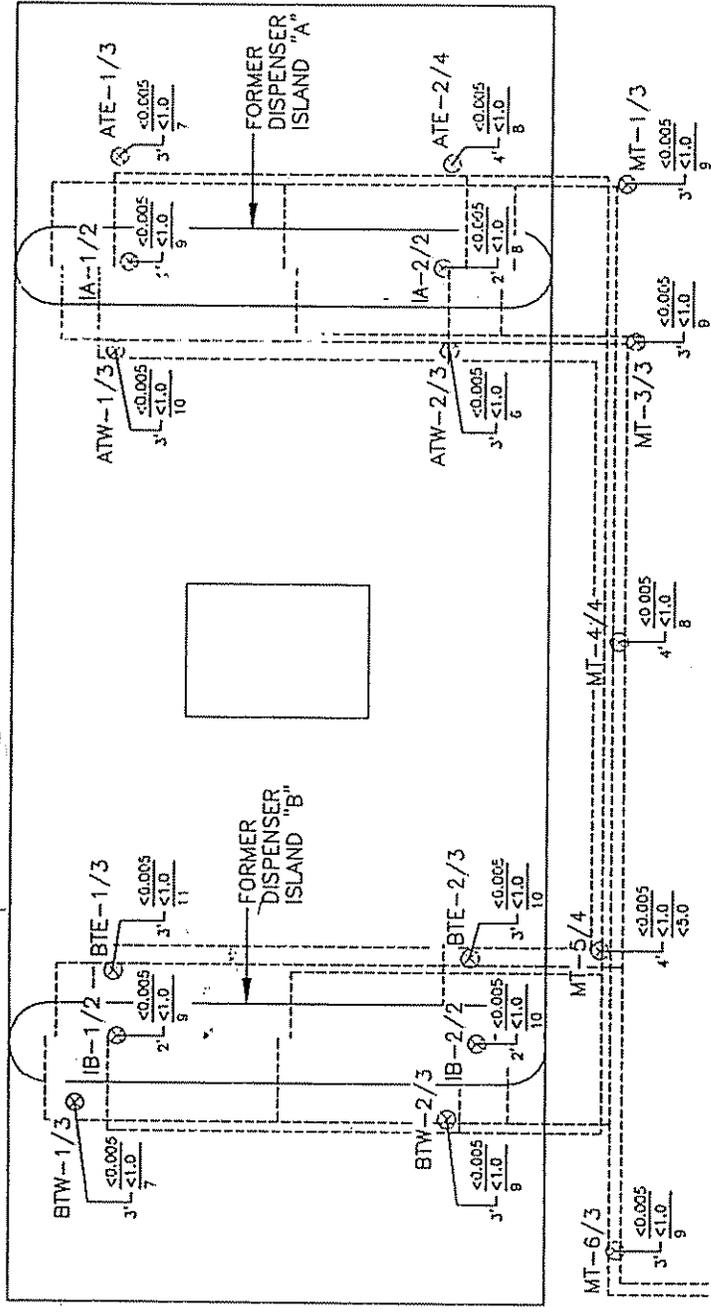
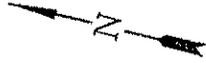
CLIENT:
SEARS MERCHANDISE GROUP
STORE No. 1528

LOCATION:
9000 NORTHGATE MALL
SAN RAFAEL, CA

DES.: PM
DET.: PJWH
DATE: 12/20/94

SITE PLAN

PM: _____
PE/RG: _____
FIGURE: **2**



EXPLANATION

- ⊗ SOIL SAMPLE LOCATION
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 10</math> BENZENE (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 10</math> TPH AS GASOLINE (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 10</math> TOTAL LEAD (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> BENZENE DETECTION LIMIT (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> TPH AS GASOLINE DETECTION LIMIT (mg/kg)
- ⊗ <math>\frac{≤ 0.005}{≤ 1.0} 4</math> TOTAL LEAD DETECTION LIMIT (mg/kg)

FORMER UNDERGROUND STORAGE TANKS

NOTE:
1. SAMPLE LOCATIONS PER FIELD MEASUREMENTS, GTI, 12/94.

SAMPLED ON: 11/30/94 AND 12/01/94

		SOIL ANALYTICAL RESULTS AT FORMER DISPENSER ISLANDS	
CLIENT: SEARS MERCHANDISE GROUP STORE No. 1528		PE/RG:	
LOCATION: 9000 NORTHGATE MALL SAN RAFAEL, CA		FIGURE: 3	
DES.: JM	DET.: CCG	DATE: 06/04/96	
PROJECT NO.: 020200146		PM:	
REV.:			

Attachment 2

Data Tables

TABLE 1
Former Dispenser Island Soil Analytical Results
Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Gasoline Dispenser Island Samples							
Samples	Date	TPH-g	B	T	E	X	Total Lead
Island A soil samples							
IA-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IA-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	7
ATE-2/4	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8
ATW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	10
ATW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	6
Island B Soil Samples							
IB-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
IB-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	11
BTE-2/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10
BTW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	7
BTW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
Main Trench Soil Samples							
MT-3/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-4/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	8
MT-5/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	<5
MT-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9
MT-6/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Total lead analyzed using EPA Method 6010

TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total xylenes; analyzed using EPA Method 8020

< Number = below reported detection limits

TABLE 2
Former Motor and Used Oil Product Line Soil Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, and December 1, 1994

Samples	Date	TRPH	TPH-g	TPH-d	Volatile Organics
Used Oil Supply Line Soil Samples					
WO-1/2	11/30/94	7	<1	<10	ND
WO-2/4	11/30/94	19	<1	<10	ND
Motor Oil Supply Line Soil Samples					
NO-1/2	11/30/94	<5	<1	<10	ND
NO-2/4	11/30/94	11	<1	<10	ND
NO-3/5	11/30/94	<5	<10	<10	ND

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Volatile organics analyzed using EPA Method 8240A

TRPH = total recoverable petroleum hydrocarbons; analyzed using EPA Method 3550/418.1
 TPH-g = total petroleum hydrocarbon as gasoline, B = benzene, T = toluene, E = ethylbenzene,
 x = total
 TPH-d = total petroleum hydrocarbons as diesel; analyzed using EPA Method Modified 8015
 <Number = below reported detection limits
 ND = not detected

TABLE 3
Former Motor and Used Oil Product Line Soil CAM Metal Analytical Results

Sears Store 1528, San Rafael, California
Sampled November 30, 1994

Motor Oil/Oil Supply Samples						
Analyte	Date	WO-1/2	WO-2/4	NO-1/2	NO-2/4	NO-3/5
Antimony	11/30/94	<5	<5	<5	<5	<5
Arsenic	11/30/94	5.5	2.5	4.0	9.3	7.5
Barium	11/30/94	150	55	100	130	170
Beryllium	11/30/94	0.6	<0.5	<0.5	<0.5	0.6
Cadmium	11/30/94	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	11/30/94	30	38	92	68	210
Cobalt	11/30/94	9	8	19	16	21
Copper	11/30/94	28	11	17	47	35
Lead	11/30/94	8	<5	6	6	8
Mercury	11/30/94	<0.1	<0.1	<0.1	0.1	0.1
Molybdenum	11/30/94	1	<1	<1	1	1
Nickel	11/30/94	41	59	100	110	180
Selenium	11/30/94	<5	<5	<5	<5	<5
Silver	11/30/94	<1	<1	<1	<1	<1
Thallium	11/30/94	<5	<5	<5	<5	<5
Vanadium	11/30/94	32	22	44	44	46
Zinc	11/30/94	58	34	35	69	70

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Analyzed using EPA Methods 6010, 7060, and 7470

<Number = Below reported detection limit

Attachment 3
Analytical Laboratory Reports



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region

4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

12/11/94

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael, CA

Work Order Number: C4-11-0454

December 6, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

for

Rashmi Shah
Laboratory Director

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	7	110	19	<5
Detection Limit Multiplier		1	2.5	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

**Total Petroleum Hydrocarbons in Soil
 by Infrared Spectrometry¹**

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		12	13	14	120194 TPH
Client Identification		NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	11	26	<5	<5
Detection Limit Multiplier		1	1	1	1

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael, CA
 Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

- a. O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.

GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-01	C4110454-02	C4110454-03	C4110454-04
Client ID	ATW-1/3	ATW-2/3	BTW-1/3	BTW-2/3
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	96.9	86.5	66.2	85.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1



GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4110454-05	C4110454-06	C4110454-07	--
Client ID	MT-3/3	MT-4/4	MT-5/4	--
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Analyzed	11/30/94	11/30/94	11/30/94	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	--
BFB (Surrogate)	--	%	82.6	88.9	66.7	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:2



GTEL Client ID: 020200025 ANALYTICAL RESULTS
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-08	C4110454-09	C4110454-10	C4110454-11
Client ID	WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	11/30/94	11/30/94	11/30/94	11/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (surrogate)	--	%	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. - Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:1



GTEL Client ID: 020200025
 Login Number: C4110454
 Project ID (number): 020200025
 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8015
 Matrix: Solids

GTEL Sample Number	C4110454-12	C4110454-13	C4110454-14	--
Client ID	NO-2/4	NO/C	NO-3/5	--
Date Sampled	11/30/94	11/30/94	11/30/94	--
Date Analyzed	12/01/94	12/01/94	12/01/94	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
TPH as Gasoline	1.0	mg/kg	< 1.0	< 1.0	< 1.0	--
BFB (surrogate)	--	%	85.0	90.6	87.9	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. - Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4110454:2



GTEL Client ID: 020200025
Login Number: C4110454
Project ID (number): 020200025
Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Solids

Method Blank Results

QC Batch No: A113094-1
Date Analyzed: 30-NOV-94

Analyte	Method: EPA 8020	Concentration: mg/kg
Benzene	< 0.0050	
Toluene	< 0.0050	
Ethylbenzene	< 0.0050	
Xylenes (Total)	< 0.015	
TPH as Gasoline	< 1.0	

Notes:



4000 MIKE DRIVE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Company Name: **GT** Phone #566 G 71-2387
 Company Address: 4657 Port Chicasa Laboratory, San Rafael CA
 Project Manager: Eileen Burman
 Client Project ID: (#) 02-200025
 (NAME) Sam 1528
 Sampler Name (Print): **Terry James**

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling		
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	DATE
N03/4	12	1										11/30	12:45
N0/C	13	1										12/50	12:50
N03/5	14	1										12/50	12:55

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

<input type="checkbox"/>	EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	CAM Metals TLTC <input type="checkbox"/> STLC <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Lead 239 2 <input type="checkbox"/> 200 7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Organic Lead <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: ~~OTHER SUBSTANCES~~ NO VOC AT TAT 5000
 TPH-G 8015 modified
 BTX 8020
 NO VOC AT
 AOXE

Lab Use Only Lot #:
 Work Order #: C4110454 2 OF 2
 Storage Location

Received by: John Webb	Date: 11/30/94	Time: 13:00
Received by:	Date: 11/30/94	Time: 15:20
Received by Laboratory:	Date:	Time:
Waybill #		

SPECIAL DETECTION LIMITS CORRECTIONS OK SIGN date (X)

SPECIAL REPORTING REQUIREMENTS
 FAX

Relinquished by Sampler: John Webb	Relinquished by: John Webb	Relinquished by:
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CUSTODY RECORD

Blue CLPT Other

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143



Company Name: GROUND WATER TECHNOLOGY Phone #: (570) 671-2387
 Company Address: 90-407 Port Chicago Hwy Concord, Sub Rafael FAX #: (570) 685-9148
 Project Manager: Eileen Brennan Client Project ID: (#) 02020 0025
 (NAME) SEAS 152B '08/16/94
 Sampler Name (Print): TERRY JAMES

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix			Method Preserved			Sampling						
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	UNPRE SERVED	OTHER (Specify)	DATE	TIME
ATW-1/3	01	1	X						X					10:41	
ATW-2/3	02	1	X						X					10:59	
BTE-1/3	03	1	X						X					11:05	
BTE-2/3	04	1	X						X					11:09	
MT-3/3	05	1	X						X					11:18	
MT-4/4	06	1	X						X					11:27	
MT-5/4	07	1	X						X					11:37	
WO-1/2	08	1	X						X					12:15	
WO-C	09	1	X						X					12:20	
JO-2/4	10	1	X						X					12:30	
NO-1/2	11	1	X						X					12:40	

REMARKS: BTEX & TPH-61 on 2/1/94 TAT
LEAD SID for new round
 TAT: TPH-6 0015 modified/BTEX 0020
 Lab Use Only Lot #: _____ Storage Location: _____

ANALYSIS REQUEST

<input type="checkbox"/> BTEX 602	<input type="checkbox"/> BTEX 601	<input type="checkbox"/> EPA 503.1	<input type="checkbox"/> EPA 502.2	<input type="checkbox"/> EPA 601	<input type="checkbox"/> EPA 8010	<input type="checkbox"/> EPA 602	<input type="checkbox"/> EPA 8020	<input type="checkbox"/> EPA 608	<input type="checkbox"/> EPA 8080	<input type="checkbox"/> PCB or	<input type="checkbox"/> EPA 624/PPL	<input type="checkbox"/> 8240 TAL	<input type="checkbox"/> NBS (+15)	<input type="checkbox"/> EPA 625/PPL	<input type="checkbox"/> 8270 TAL	<input type="checkbox"/> NBS (+25)	<input type="checkbox"/> EPA 610	<input type="checkbox"/> 8310	<input type="checkbox"/> EP TOX Metals	<input type="checkbox"/> Pesticides	<input type="checkbox"/> Herbicides	<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> VOA	<input type="checkbox"/> Semi-VOA	<input type="checkbox"/> Pest	<input type="checkbox"/> Hara	<input type="checkbox"/> EPA Metals - Priority Pollutant	<input type="checkbox"/> TAL	<input type="checkbox"/> RCRA	<input type="checkbox"/> CAM Metals	<input type="checkbox"/> TLOC	<input type="checkbox"/> STC	<input type="checkbox"/> Lead 239.2	<input type="checkbox"/> 200.7	<input type="checkbox"/> 7420	<input type="checkbox"/> 742	<input type="checkbox"/> 601C	<input type="checkbox"/> Organic Lead	<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Flash Point	<input type="checkbox"/> Reactivity	<input type="checkbox"/> Chlorinated Hydrocarbons	<input type="checkbox"/> VOC by EPA Method	<input type="checkbox"/> OTHER
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Work Order #: C4110454

Received by: John Weber

Received by: _____

Received by: _____

Received by Laboratory: Ronald C. ...

Waybill #: _____

CUSTODY RECORD

Relinquished by Sampler: [Signature]
 Relinquished by: [Signature]
 Relinquished by: _____



Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

December 2, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 S. Temple #321
Salt Lake City, UT 84111

RE: GTEL Client ID: 020200025
Login Number: C4120017
Project ID (number): 020200025
Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

Dear Eileen Brennan:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 12/01/94 under Chain-of-Custody Number(s) 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Edum Poalulu
Co,

Rashmi Shah
Laboratory Director

1528 Sem Rafael

12/1/94
gas islands = all ND
BTEX/gas

GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-01	C4120017-02	C4120017-03	C4120017-04
Client ID	MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	89.3	89.0	84.9	91.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:1



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-05	C4120017-06	C4120017-07	C4120017-08
Client ID	IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled	12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed	12/01/94	12/01/94	12/01/94	12/01/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	--	%	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:2



GTEL Client ID: 020200025
 Login Number: C4120017
 Project ID (number): 020200025
 Project ID (name): Sears/1528/9000 Northgate Mall, San Rafael

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Solids

GTEL Sample Number	C4120017-09	C4120017-10	--	--
Client ID	ATE 1/3	ATE 2/4	--	--
Date Sampled	12/01/94	12/01/94	--	--
Date Analyzed	12/02/94	12/01/94	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.005	mg/kg	< 0.005	< 0.005	--	--
Toluene	0.005	mg/kg	< 0.005	< 0.005	--	--
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	--	--
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	--	--
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	--	--
BFB (Surrogate)	--	%	90.5	84.1	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA
 C4120017:3





4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

33582

Company Name: Groundwater Tech
 Company Address: 4957 Port Chicago Hwy
 Project Manager: Elven Brennan
 Phone #: 510 671-2387
 FAX #: 510 685-9148
 Site Location: 9000 Lakeside
SAN RAFAEL
 Client Project ID: (#) 02020005

I attest that the proper field sampling procedures were used during the collection of these samples.

(NAME) Sears 1528
 Sampler Name (Print): Terry James

Field Sample ID	GTel Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling				
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRE. SERVED	OTHER (Specify)	DATE
MT1/3	01	1	X							X				12/1/94	10:45
MT6/3	02	1													10:55
IA1/2	03	1													11:05
IA2/2	04	1													11:10
IA1/2	05	1													11:20
IA2/2	06	1													11:20
BT1/3	07	1													10:05
BT2/3	08	1													10:15
AT1/3	09	1													10:30
AT2/4	10	1													10:40

REMARKS: BTEX/TPH-6 - 2015 Modified
8020 24hr TAT
Level Side

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

Lab Use Only Lot #: C4120018 - Storage Location

Work Order #: C4120017 - 24 hr

Date	Time	Received by:
12/1/94	14:10	
12/1/94	14:10	

Relinquished by Sampler: Terry James
 Relinquished by: Joe Weber
 Relinquished by: _____

Received by Laboratory: _____
 Waybill #: _____

CUSTODY RECORD

Blue: CLP Other: I

QA/QC Level

FAX

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

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Received by Laboratory:

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Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020200025
Project ID: Sears 1528
9000 Northgate
San Rafael
Work Order Number: C4-12-0018

12/16/94

total Pb

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Rashmi Shah', with the word 'for' written below it.

Rashmi Shah
Laboratory Director

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael
 Work Order Number: C4-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	9	9	8
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	08
Client Identification		IB 1/2	IB 2/2	BTE 1/3	BTE 2/3
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	10	11	10
Detection Limit Multiplier		1	1	1	1

Client Number: 020200025
 Project ID: Sears 1528
 9000 Northgate
 San Rafael
 Work Order Number: C4-12-0018

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		09	10	120294 MET	
Client Identification		ATE 1/3	ATE 2/4	METHOD BLANK	
Date Sampled		12/01/94	12/01/94	--	
Date Prepared		12/02/94	12/02/94	12/02/94	
Date Analyzed		12/06/94	12/06/94	12/06/94	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	7	8	<5	
Detection Limit Multiplier		1	1	1	

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

33582

ANALYSIS REQUEST

OTHER

Company Name: Groundwater Tech
 Phone #: 510 671-2387
 Company Address: 4057 Fort Chicago Hwy
 Site Location: 9000 Northgate
 Project Manager: Erin Brennan
 Client Project ID: (#) 02020025
 (NAME) Sears (S28)
 Sampler Name (Print): Terry James

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix				Method Preserved				Sampling				
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRESERVED	OTHER (Specify)	DATE
MT1/3	01	1	X								X			12/1/94	10:45
MT6/3	02	1												10:55	
IA1/2	03	1												11:05	
IA2/2	04	1												11:10	
IB1/2	05	1												11:20	
IB2/2	06	1												11:30	
BE1/3	07	1												10:05	
BE2/3	08	1												10:15	
AE1/3	09	1												10:30	
AE2/4	10	1												10:40	

REMARKS: BTEX/TPH-6 - 8015 Modified
8020 24hr TAT
Leant Side

Lab Use Only Lot #: C4120018 - Storage Location
 Work Order #: C4120017 - 24 hr

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX

QA/QC Level
 Blue CLP Other

Relinquished by Sampler: Terry James
 Relinquished by: Erin Weber
 Relinquished by:

Date Time
 12/1/94 13:05
 Date Time
 12/1/94 14:10
 Date Time
 12/1/94 14:10

Received by: Erin Weber
 Received by Laboratory:
 Waybill #: Erin Weber



Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020200025
Project ID: Sears #1528
Northgate Mall San Rafael
Work Order Number: C4-12-0011

12/16/94

8240 - NDs
CAM + total Pb

December 13, 1994

Eileen Brennan
Groundwater Technology, Inc.
275 South Temple, Suite 321
Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	—
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		--			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled		-			
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5			
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5			
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number	08	09	10	11		
Client Identification	WO-1/2	WO-C	WO-2/4	NO-1/2		
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94		
Date Prepared (Method 3055 ^b)	12/07/94	12/07/94	12/07/94	12/07/94		
Date Analyzed (Method 6010)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Analyzed (Method 7060)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Prepared and Analyzed (Method 7470)	12/07/94	12/07/94	12/07/94	12/07/94		
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010 ^c	1	150	180	55	100
Beryllium	EPA 6010 ^c	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	30	62	38	92
Cobalt	EPA 6010 ^c	1	9	15	8	19
Copper	EPA 6010 ^c	1	28	27	11	17
Lead	EPA 6010 ^c	5	8	9	<5	6
Mercury	EPA 7470 ^e	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	1	<1	<1
Nickel	EPA 6010 ^c	2	41	90	59	100
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	32	35	22	44
Zinc	EPA 6010 ^c	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLIC)_a

GTEL Sample Number		12	13	14	120794 MET	
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled		11/30/94	11/30/94	11/30/94	--	
Date Prepared (Method 3055 ^b)		12/07/94	12/07/94	12/07/94	12/07/94	
Date Analyzed (Method 6010)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Analyzed (Method 7060)		12/08/94	12/08/94	12/08/94	12/08/94	
Date Prepared and Analyzed (Method 7470)		12/07/94	12/07/94	12/07/94	12/07/94	
Analyte	EPA Method ^a	Detection Limit, mg/Kg	Concentration, mg/Kg.			
Antimony	EPA 6010 ^c	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010 ^c	1	130	120	170	<1
Beryllium	EPA 6010 ^c	0.5	<0.5	<0.5	0.6	<0.5
Cadmium	EPA 6010 ^c	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010 ^c	1	68	51	210	<1
Cobalt	EPA 6010 ^c	1	16	11	21	<1
Copper	EPA 6010 ^c	1	47	42	35	<1
Lead	EPA 6010 ^c	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1
Molybdenum	EPA 6010 ^c	1	1	<1	1	<1
Nickel	EPA 6010 ^c	2	110	85	180	<2
Selenium	EPA 6010 ^c	5	<5	<5	<5	<5
Silver	EPA 6010 ^c	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010 ^c	1	44	40	46	<1
Zinc	EPA 6010 ^c	5	69	80	70	<5
Detection Limit Multiplier		1	1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.
- b. Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
- c. Inductively Coupled Argon Plasma (ICP).
- d. Graphite Furnace Atomic Absorption (GFAA).
- e. Cold Vapor Atomic Absorption (CVAA).

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010a

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	03	04
Client Identification		ATW-1/3	ATW-2/3	BTE-1/3	BTE-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	10	6	7	9
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	--
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1

4090 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 885-7852
(800) 423-7148



Company Name: **GTEL** Phone #: _____
 Company Address: **Salt Lake City office** FAX #: _____
 Site Location: **Northgate Mall**
 Client Project ID: **1702000035**
 Project Manager: **Eileen Brennan** NAME: **SARSA F. LEON** SAN RAFAEL
 I certify that the proper field sampling procedures were used during the collection of these samples. Sampler Name (Print): **Terry James**

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST Revised # 30200 **33111**

Field Sample ID	GTEL Lab # (Lab Use only)	Matrix			Method Preserved			Sampling		OTHER
		WATER	SOIL	AIR	GLUE	PRODUC	OTHER	DATE	TIME	
ATW-1/3	01	X					X	11:20	10:44	
ATW-2/3	02	X					X	11:20	10:59	
BTE 1/3	03	X					X	11:05		
BTE 2/3	04	X					X	11:09		
MT-3/3	05	X					X	11:18		
MT-4/4	06	X					X	11:27		
MT-5/4	07	X					X	11:37		
WO-1/2	08	X					X	12:16		
WO-C	09	X					X	12:20		
WO-2/4	10	X					X	12:30		
WO-1/A	11	X					X	12:30		

REMARKS: **All samples for BTEX/GAS, GAS & Diesel, 4 hr. 1 - 24 HOUR RESULT. All other Analysis Std. JET.**

Lab Use Only Lot #: **C4120011** Storage Location

Work Order #: **C4110454-24HR.RUSH**

Post-It™ brand fax transmittal memo 7671 # of pages • **2**

To: **Sherry** From: **Eileen**

Co. Co. **121**

Dept. Phone # **245**

Fax #

CUSTODY RECORD

Relinquished by Sampler: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____

SPECIAL REPORTING REQUIREMENTS

FAX Eileen-SLC & Pat-Sandiego

SPECIAL DETECTION LIMITS

TAT Priority (24 hr) Other

Expedited (48 hr) Quote/Contract # _____

Business Days Confirmation # _____

P.O. # _____

Quarantine Level Other

Standard **Standard**

1000 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 686-7852
(800) 428-7143

Phone #:

Address: **Salt Lake City**

FAX #:

Site Location: **Southgate Mall - San Rafael**

Client Project ID: **AM20200025**

Analyst: **AN BRENDA**

Sampler Name (Print): **Sam Rafael**

Sampler Name (Print): **Tom James**

Method Preserved

Matrix

Containers

Water

Soil

Air

Sludge

Other

MSD

GTCL Lab # (Lab Use only)

12

13

14

15

16

17

18

19

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21

22

23

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46

Field Sample ID

NO 2/4

NO 1/C

NO 2/5

Method Preserved

X

X

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Sampling Date

11/30/12

12/13/12

12/26/12

Matrix

Water

Soil

Air

Sludge

Other

MSD

Method Preserved

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Attachment 4

Underground Storage Tank Closure Review Form

**UNDERGROUND STORAGE TANK
CLOSURE REVIEW FORM**

Date: 10/1/98	LUSTIS file no.:	Case reviewer:	
Site Name/Address: Sears No. 1528 9000 Northgate Mall Road San Rafael, CA	Responsible parties: Sears Roebuck & Co	Address: c/o 3333 Beverly Rd. Hoffman Estates, IL 60179	Phone no.: 847-286-5530

CASE INFORMATION (N/A = Not Applicable)

Tank No.	Size in Gallons	Contents	Closed in-place/Removed?	Date
Tanks 1,2	Unknown	Gasoline	Removed	Prior to 1994
Tank 3	Unknown	Used Oil	Removed	Prior to 1994
Unknown	Unknown	Motor Oil	Removed	Prior to 1994

II. SITE CHARACTERIZATION INFORMATION (GW = groundwater)

GW basin: Marin County	Beneficial uses: N/A	Depth to drinking water aquifer: Unknown	
Distance to nearest municipal supply well: Unknown		Distance between known shallow GW contamination and aquifer: N/A	
Site GW highest depth: N/A	Site GW lowest depth: N/A	Shallow water-bearing zone well screen interval: N/A	Flow direction: N/A
Soil Type: mainly silts, sands & clays (low-permeability)		Maximum depth sampled: 6 feet	

III. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - Initial and Latest -- = Not Reported, ND = Non-detect

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Initial (1994)	Latest	--	--		Initial (1994)	Latest	Initial (Year)	Latest (Year)
TPH-g	<1 (12/94)	--	--	--	Xylene	<0.005 (11/94)	--	--	--
VOC/8240	N/D	--	--	--	Total Lead	11	--	--	--
Benzene	<0.005 (11/94)	--	--	--	TRPH	19 (11/94)	--	--	--
Toluene	<0.005 (11/94)	--	--	--	TPH-d	<10	--	--	--
Ethylbenzene	<0.005 (11/94)	--	--	--					

IV. SOIL REMEDIATION

Method: UST removal (date unknown) intrinsic biodegradation 1994 - 1998	Duration of remediation: Indefinite
---	-------------------------------------

V. GROUNDWATER REMEDIATION

Method: N/A	Duration of remediation: N/A
-------------	------------------------------

VI. FREE PRODUCT:

Was free product encountered? No	Has free product been totally recovered? N/A
When was free product recovery project completed? N/A	

VII. RECOMMENDED ACTION:

Soil closure only: Not applicable	Case Closure: Yes	Solvent Case? No
Additional Action Required (i.e.: additional site assessment, remediation, monitoring): None		

VIII. JUSTIFICATION FOR RECOMMENDED ACTION:

1) Source removed by UST removal (prior to 1994), product line and impacted soil removal May 1995.	2) No phase-separated liquid hydrocarbons.
3) No waste oil storage at site since at least 1994, impacted soil at site not in communication w/drinking water or public contact.	
5) Ongoing biodegradation/attenuation in soil, likely to continue.	
6) Asphalt cap prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.	

Attachment 5
Waste Removal Documentation

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO.

1. NAME: Sears Roebuck & Company Store # 1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~200~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID NO. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled Soil Containing Petroleum Hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: Gasoline Diesel Fuel Jet Fuel Fuel Oil # _____
 Waste Oil Other _____
12. Is the waste hazardous under FEDERAL REGULATIONS? YES NO
If yes, is the waste LISTED or CHARACTERISTIC?
What is the EPA HAZARDOUS WASTE NUMBER? N/A
13. Is the waste hazardous under STATE REGULATIONS? YES NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

[Handwritten initials]

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? two (?)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YEAR
23. What volume of waste is currently stockpiled, if any? 2 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) 2 yards

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert
29. PHONE NO. (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (If Applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner
33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

TITLE: Manager Environmental Engineering

Bernadine Palka
 (Signature)

DATE: 31 May 95

15225 (9)
 117



830 N. Miller Road
Buickway, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 98

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 98

1528(9)
BOP



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-8600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants Gasoline

GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

BOP
152869

REMAT

830 North Miller Road
Buckeye, Arizona 85326

Phone: (602) 386-6600

FAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

GENERATOR INFORMATION:

REMAT WASTE ID NO. _____

1. NAME: Sears Roebuck & Company Store #1528
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldg A2-~~2~~ 160B
3. CITY/STATE/ZIP: Hoffman Estates, IL 60179
4. CONTACT(S): Bernadine Palka 5. PHONE #: (708) 286-8864
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 5311
7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A
8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA

WASTE INFORMATION:

9. WASTE TYPE (COMMON name by which waste is referred):
Stockpiled soil containing petroleum hydrocarbons
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE:
UST Removal activities
11. CONTAMINATION: () Gasoline! () Diesel Fuel! () Jet Fuel! () Fuel Oil # _____
(X) Waste Oil (X) Other Used Oil
12. Is the waste hazardous under FEDERAL REGULATIONS? () YES (X) NO
If yes, is the waste () LISTED or () CHARACTERISTIC?
N/A
What is the EPA HAZARDOUS WASTE NUMBER? _____
13. Is the waste hazardous under STATE REGULATIONS? () YES (X) NO If yes,
EXPLAIN: _____

(INITIAL PAGE)

[Handwritten Signature]

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TOSCA)? () YES (X) NO
15. What is the physical state of the waste at room temperature?
 (X) SOLID () SEMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (%)
17. Is the waste (X) HOMOGENEOUS or () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage? _____ (%)

DESCRIPTION: _____

20. Will the waste be disposed of in (X) BULK () DRUMS () OTHER? _____
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? thirty-two (32)
 () TONS (X) YARDS () DRUMS per () DAY () WEEK () MONTH () YR
23. What volume of waste is currently stockpiled, if any? 32 yards
24. What is the maximum volume of waste which will be disposed in any one day? (Specify TONS, YARDS, DRUMS, etc.) _____

TRANSPORTER INFORMATION:

25. NAME: Southwest Soil Remediation, Inc.
26. ADDRESS: 3951 E. Columbia Street
27. CITY/STATE/ZIP: Tucson, AZ
28. CONTACT(S): Bob Bonnert 29. PHONE NO.: (602) 571-7174
30. FEDERAL/STATE EPA ID. NO. (if applicable): 86066729

LABORATORY INFORMATION:

31. NAME: GTEL Environmental Laboratories
32. CONTACT(S): Don Rensner 33. PHONE NO. 800-633-7936
34. Is the laboratory certified by the (X) STATE or () EPA? (X) YES () NO.
35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.

CERTIFICATION:

I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CERTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REPRESENTATION OF THE WASTE TO BE DISPOSED.

NAME: Bernadine Palka
 (Print or Type)

TITLE: Manager Environmental Engineering

Bernadine A. Palka
 (Signature)

DATE: 31 May 95

152860



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-9300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT is not a "RCRA" listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

HERBICIDE/PESTICIDE/PCB CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE # 1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)



830 N. Miller Road
Buckeye, AZ 85326

Phone 602-386-6600
FAX 602-386-3300

ENVIRONMENTAL SERVICES • SOIL REMEDIATION • RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR: Sears Roebuck & Company STORE #1528

LOCATION: 9000 Northgate Mall, San Rafael, CA

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

PETROLEUM CONSTITUENT CERTIFICATION

In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no contaminants other than what is listed below:

Soil Contaminants used oil/virgin oil

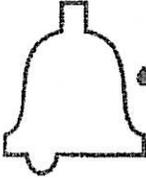
GENERATOR: Sears Roebuck & Company STORE # 1528

SIGNATURE: Bernadine A Palka TITLE: Manager Envir. Engineering

NAME (Please Print) Bernadine Palka DATE: 31 May 95

1528(6)

CITY OF



San Rafael

*Mayor
Albert J. Boro*

*Council Members
Paul M. Cohen
Barbara Heller
Cyr N. Miller
Gary O. Phillips*

*Fire Chief
Robert E. Marcucci*

November 2, 1999

Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526

*UST
FOLDER*

Re: Request for Site Closure; Sears, Roebuck and Co. #1528, 9000 Northgate Mall,
San Rafael

Dear Ms. Gossell:

This department has received your request for site closure at the above referenced location. To adequately assess your site and complete our review, we are requesting submittal of the following missing documentation:

- Laboratory analytical reports of all soil sampling performed in conjunction with the Underground Storage Tank excavations by Blaine Tech Services on March 7, 1985. (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- Laboratory analytical reports for aerated soil stockpile samples collected by Blaine Tech Services on March 25, 1985.
- Documentation of the 1987 removal of one 1,000-gallon waste oil underground storage tank and two 530-gallon bulk oil underground storage tanks.
- Laboratory analytical reports for underground storage tank closure samples collected in 1987.
- Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to the Remat thermal processing facility in Buckeye, Arizona in 1995.

As your company seems to be acting as the responsible party for this site at this time, enclosed please find Deed Notification forms which must be completed and returned to this Department before we can continue with the site assessment.

Ms. Melissa Gossell

Page 2

Following the Regional Water Quality Control Board and legislative directives, this Department will require a boring to obtain a soil and water sample for MTBE testing.

In addition, a Sensitive Receptor Review report will be needed prior to completing a site closure.

Should you have any questions, please call me at (415) 485-3308.

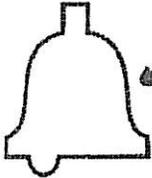
Sincerely,

A handwritten signature in black ink, appearing to read "Bradley R. Mark". The signature is fluid and cursive, with a large initial "B" and "M".

BRADLEY R. MARK
Hazardous Materials Coordinator

BRM:db

CITY OF



San Rafael

Mayor
Albert J. Boro

Council Members
Paul M. Cohen
Barbara Heller
Cyr N. Miller
Gary O. Phillips

Fire Chief
Robert E. Marcucci

November 16, 1999

*12/29/99
NO. 2011/IF*

Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526

*SCOTT CEMITH
handles contamination
847-286-5530*

*UST
FOLDER*

Re: Review for Closure
Sears, Roebuck & Co. Automotive Center No. 1528
9000 Northgate Mall, San Rafael, California

Dear Ms. Gossell:

The City of San Rafael Fire Department (SRFD) is in the process of reviewing IT Corporation's Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California dated March 23, 1999. The IT Corporation report appears to adequately document the site investigation and remediation activities associated with the removal of the dispenser islands and product lines conducted between November 1994 and May 1995. However, the SRFD file for the subject site is lacking documentation for the site investigation and remediation activities associated with the removal of eight underground storage tanks (USTs) conducted in 1985 and 1987. A list of all documents contained in the SRFD file for the subject site is attached.

The SRFD requests the submittal of missing documentation so that the review for closure can be completed. In particular, submittal of the following documentation is requested:

- * Laboratory analytical reports for three soil samples collected from UST excavations by Blaine Tech Services on March 7, 1985 (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- * Laboratory analytical reports for samples collected by Blaine Tech Services from aerated soil stockpiles on March 25, 1985 (IT Stone Laboratory Nos. unknown);
- * Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530-gallon bulk oil USTs;
- * Laboratory analytical reports for UST closure samples collected in 1987 (laboratory unknown); and

* Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to the Remat thermal processing facility in Buckeye, Arizona in 1995.

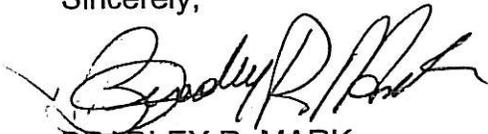
⇒ Before this department can proceed any further with the site closure, the Deed Notification Forms sent to you previously must be completed and reviewed.

Following Regional Water Quality Control Board and Legislative directives, borings will be required to obtain soil and water samples which will then be tested for MTBE. This is now a requirement for site closure.

In addition, a sensitive Recaptor Report will be needed prior to a site closure being completed.

Should you have any questions, please call me at 415-485-3308.

Sincerely,

A handwritten signature in black ink, appearing to read "Bradley R. Mark". The signature is stylized and cursive.

BRADLEY R. MARK
Hazardous Material Coordinator

**List of documents contained in San Rafael Fire Department file for
Sears, Roebuck & Co. Automotive Center No. 1528
9000 Northgate Mall, San Rafael, California
(listed in chronological order)**

- Blaine Tech Services, 1985a, Soil Sampling at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 7, 1985: March 12;**
- Blaine Tech Services, 1985b, Resampling of Aerated Soil at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 25, 1985: April 8;**
- Marin County Environmental Health Services, undated, Application for Temporary Tank Closure (form) submitted to Sears, Roebuck & Co.;**
- Sears, Roebuck & Co., 1986a, letter to Marin County Environmental Health Services regarding removal of three remaining USTs: February 20;**
- Sears, Roebuck & Co., 1986b, completed Marin County Environmental Health Services application form to remove three USTs, August 4;**
- Marin County Environmental Health Services, 1986, Permit to Remove three USTs, August 5;**
- Sears, Roebuck & Co., 1986c, letter to Marin County Environmental Health Services requesting an extension of the September 1, 1986 deadline to remove remaining three USTs, August 25;**
- Marin County Environmental Health Services, 1987a, Memo to Sears, Roebuck & Co. requesting information on the status of removal of the three remaining USTs: January 13;**
- Combustion Engineering, 1987, Letter to Marin County Environmental Health Services regarding laboratory analytical results for one soil sample collected the UST removal at the subject site: February 20;**
- Marin County Environmental Health Services, 1987b, Letter of clearance based upon review of submitted UST closure sample analytical results: March 2;**
- Fluor Daniel GTI, 1996, Dispenser Island and Product Line Removal Report, Sears Store 1528, 9000 Northgate Mall, San Rafael, California: July 1;**
- IT Corporation, 1999, Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California: March 23.**



Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

EPA ID PROFILE

ID Number: CAR000108563 **Name :** SEARS, ROEBUCK & CO.
Status: ACTIVE **Inactive Date:** **Record Entered:** 03/04/2003 **Last Updated:** 03/26/2009
County: MARIN **NAICS:** 81149 **SIC:** 3732

	Name	Address	City	State	Zip Code	Phone
Location	SEARS, ROEBUCK & CO.	8108 NORTHGATE MALL	SAN RAFAEL	CA	94577	
Mailing		3333 BEVERLY RD B5-362A A 2 238 A	Hoffman Estates	IL	601790000	
Owner	SEARS, ROEBUCK & CO #8108	3333 BEVERLY RD B5-362A	HOFFMAN ESTATES	IL	601790000	8472867222
Operator/ Contact	MICHAEL OLSEN/DIR. ENV. AFFAIRS	3333 BEVERLY RD B5-362A A 2 238 A	HOFFMAN ESTATES	IL	601790000	8472867222

Based ONLY upon ID Number **CAR000108563**

Calif. Manifests ?	Non Calif. Manifests ?	Transporter Registration ?
YES	NO	NO

[California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type \(if available\) are on the next page](#)

The Department of Toxic Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

	GENERATOR	TRANS. 1	TRANS. 2	TSDF	ALT. TSDF
2004	1 0.0709				
2008	1 0.6600				

Non California Manifest Total Tonnage

**Waste Code By Year By Entity Matrix Report
(based on California Manifests only)**

Calif.	<u>Generator</u>	<u>Transporter 1</u>	<u>Transporter 2</u>	<u>TSDF</u>	<u>Alt. TSDF</u>
RCRA	<u>Generator</u>	<u>Transporter 1</u>	<u>Transporter 2</u>	<u>TSDF</u>	<u>Alt. TSDF</u>

California Waste Code By Year Matrix

ID Number: CAR000108563

Entity Type : GENERATOR

Weight (in Tons)

Ship Years

Calif.

Code Description

2004

2008

Calif. Code	Description	2004	2008
212	OXYGENATED SOLVENTS		0.6600
213	HYDROCARBON SOLVENTS	0.0709	
Grand Total		0.0709	0.6600

RCRA Waste Code By Year Matrix Report

ID Number: CAR000108563

Entity Type: GENERATOR

Weight (in Tons)

RCRA Code	Description	Ship Years	
		2004	2008
D001	Ignitable	0.0709	
D018	Benzene		0.6600
Grand Total		0.0709	0.6600

Sigma Engineering, Inc.

· Main Office: 2101 Auto Center Drive, Suite 150, Oxnard, CA 93036-8939 · Phone (805) 983-6262 · Fax (805) 483-4992
· South: 17139 Bellflower Boulevard, Suite 201 · Bellflower, CA 90706 · Phone (562) 804-7252 · Fax (562) 804-7255 ·

October 20, 2009

Mr. Aladdin Ghafari
Macerich Management Company
401 Wilshire Boulevard, Suite 700
Santa Monica, California 90401

**Re: Phase II Environmental Site Assessment Recommendations
Sears Automotive Center, Northgate Mall
9000 Northgate Mall
San Rafael, CA 94903**

Dear Mr. Ghafari:

Sigma Engineering, Inc. (SEI) is pleased to submit this letter detailing recommendations regarding the October, 2009 Phase II Environmental Site Assessment (ESA) performed at the Sears Automotive Center in San Rafael, California. This investigation was conducted on two suspect areas of the existing Sears Automotive Center located at the Northgate Mall in San Rafael, California (Site), the former fueling area, and the existing auto repair shop. Based on the findings of the investigation, as detailed in SEI's October, 2009 Phase II Environmental Site Assessment Report, SEI has the following recommendations:

Existing Auto Service Area

SEI recommends that proper procedures be followed with regard to the clarifier and trench drain system. Some oil/sheen and surface staining was noted in and around the various drain features. If future remodeling/soil disturbance of this area is planned, SEI recommends that an observer be onsite to screen the exposed soil with a PID. Any soil with staining or elevated PID readings should be segregated and properly tested to determine appropriate handling procedures.

Former UST Area

SEI recommends that the wells be checked and sampled in approximately 4 or 5 months. If the wells remain dry during the course of this year's rainy season, then SEI recommends that they be properly abandoned. Note that DWR188 forms should be completed within 60 days of all well installation/abandonment.

Prior to well abandonment, a request for case closure should be presented to the lead agency, the San Rafael Fire Department (SRFD), under separate cover.

Be advised that the SRFD may require additional soil sampling/well installation with alternative drilling technology (i.e. hollow stem auger) in the area of the former USTs in order to get through the hardpan soil conditions and collect water samples/install monitoring wells. If additional wells are required by the SRFD, then the wellheads of all wells should all be surveyed so that a gradient can be determined. If the wells are not required by the SRFD, then such survey costs can be avoided.

In addition, SEI recommends that the drummed soil cuttings be scheduled for proper disposal as soon as possible.

Please contact this office if you have any questions regarding the information contained in this report.

Respectfully Submitted:
Sigma Engineering, Inc.



Keith G. Farrell, CEG No. 1314
Senior Engineering Geologist



Elizabeth Zernik, REA
Project Environmental Scientist

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

at:

**Sears Automotive Center
Northgate Mall
9000 Northgate Mall
San Rafael, CA 94903**

prepared by:

Sigma Engineering, Inc.
2101 Auto Center Drive, #150
Oxnard, CA 93036
Project No. 098275



Keith Farrell
State of California Certified Engineering Geologist #1314



Elizabeth Zernik, REA
Project Scientist

20 October, 2009

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
SEARS AUTOMOTIVE CENTER
NORTHGATE MALL
9000 NORTHGATE MALL
SAN RAFAEL, CA 94903**

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Appendix A: Figures 1 and 2

Appendix B: Analytical Results & Chain-of-Custody Documentation

Appendix C: Boring Logs

1.0 INTRODUCTION

Sigma Engineering, Inc. (SEI) is pleased to submit this Phase II Environmental Site Assessment (ESA) report of the Sears Automotive Center in San Rafael, California. This investigation was conducted on two suspect areas of the existing Sears Automotive Center located at the Northgate Mall in San Rafael, California (Site). The Site Location is shown on Figure 1, and the Site layout and boring locations are shown on Figure 2 in Appendix A.

The purpose of this Phase II ESA was to conduct subsurface sampling and testing in the following two areas at the Site:

1. Former fueling area (former tanks and pump islands) and,
2. Existing Auto Repair Shop, including hydraulic lifts, trench drain and 3-stage clarifier.

The work at the former fueling area included subsurface sampling and testing to respond to past fire department requests for additional site assessment in an attempt to achieve site closure. There is an unresolved November 16, 1999 directive from the City of San Rafael Fire Department, to collect soil and water samples and test for MTBE as a requirement for case closure. The work at the existing auto repair shop area was conducted to assess if the subsurface has been impacted by historical auto repair shop operations.

2.0 BACKGROUND

In August 2009, the lender commissioned a Phase I ESA, which was completed by AEI Consultants dated August 6, 2009, for the entire mall. This Phase I ESA identified the following recognized environmental conditions (RECs) at the Sears Automotive Center:

- “The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million (ppm) Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.
- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property

for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.

- According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co, up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern."

Based on the Phase I findings, the lender required the owner to perform a subsurface investigation around the former USTs and around the existing auto repair shop features, as detailed below. The following scope of work, dated September 28, 2009, was approved by the lender and Sears:

- Review available utility drawings, contact Underground Services Alert, and perform a Geophysical Survey to attempt to locate previous USTs that may still be present at the Site, and to clear the boring locations for utilities.
- Advance a total of eight (8) Geoprobe borings, (seven between the seven pairs of hydraulic lifts that are currently present and one at the location of the two former hydraulic lifts where elevated concentrations of total petroleum hydrocarbons (TPH) as hydraulic oil (TPH-h) were detected and no confirmation soil sampling was performed after impacted soil was removed). These borings will be placed between the hydraulic lifts and the existing trench drain and oil water separator, to address these areas as well. Two saturated soil or grab water samples will be collected from the two borings closest to the oil water separator. The borings will be advanced to 10 feet below ground surface (bgs), and soil samples will be collected at 10 feet bgs and analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h are present analyze the samples for polychlorinated biphenyls (PCBs).
- Advance four (4) Geoprobe borings to 20 feet bgs, two up gradient and two down gradient of the former fueling area, where two fuel USTs have been removed and the likely location of other USTs that may still be present. Collect soil samples at 10, 15, and 20 feet bgs and convert the borings to monitoring wells (depth to groundwater is estimated to be approximately 12 feet bgs). After developing the wells, collect a groundwater

sample from each. The soil and groundwater samples will be tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. The soil in each sampling tube will be sub-sampled using Method 5035 for preservation.

- Borehole locations will be patched with either concrete or asphalt to match the surrounding pavement.
- Investigation derived waste (will be limited to groundwater, since soil cuttings are not generated with a Geoprobe rig) will be temporarily stored in Department of Transportation approved 55-gallon drums, prior to proper off-site disposal. SEI will coordinate with local Sear's representatives to assess the best area to temporarily store these drums.
- SEI will make efforts to minimize the impact of this investigation on the operation of this facility. The Geoprobe will consist of a pick-up truck mounted rig, and will only take up a small area of the facility. SEI will coordinate with the local Sear's representatives to schedule the interior borings to a time of day that is convenient.
- Prepare a report containing SEI's findings and recommendations.

Upon review of the site layout, it was determined that the oil/water separator was located outside of the building, in contrast to the Phase I assertion, that it was located within the building.

3.0 FIELD SUMMARY

Underground Service Alert (USA) was contacted to locate utilities in the area of the borings, as required. A site-specific health and safety plan was prepared and reviewed by personnel for the work at the Site. On September 29, 2009, SEI personnel were on site to oversee a geophysical survey and review site conditions and markings by USA. In addition, SEI met with Sears personnel to coordinate field work and minimize disturbance to ongoing operations. Boring locations were cleared, both inside and outside the building, and the Site was surveyed for indications of USTs and underground utilities. B1 and B2 were cleared for placement around the outside clarifier, and B3 through B8 were cleared for interior boring locations. No indications of USTs remaining in the ground were identified in the area surveyed, which was based on the north site of the building.

On October 5 and 6, 2009, SEI personnel returned to the Site to conduct the investigation. SEI oversaw Vironex Drilling, as they advanced eight (8) borings, and attempted four (4) monitoring wells (see Figure 2). All fieldwork was conducted under the direct supervision of a California Professional Geologist. As stated previously, there were two main areas of investigation:

Existing Auto Repair Shop, including hydraulic lifts, trench drain and 3-stage clarifier —

- Borings B1 and B2 were advanced at the northeast and southwest corners of the clarifier located near the exterior northwest corner of the building, to collect a 10 foot below ground surface (bgs) soil sample and a saturated soil sample. In B1, a saturated soil sample was collected at 22 feet bgs. In B2, auger refusal was encountered at 23 feet bgs, and no groundwater or saturated soil was encountered. The last sample collected in B2 was dry at 23 feet bgs. Samples were analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h were detected, the lab was directed to analyze the samples for polychlorinated biphenyls (PCBs).

- Borings B3 through B8 were advanced along the north and south sides of the interior trench drain, between the drain and the hydraulic lifts, with their locations adjusted due to the exterior location of the clarifier. B4, B6, and B8 were on the south side of the trench, and B3, B5, and B7 were on the north side of the trench. Based on site reconnaissance and site personnel knowledge, at least 3 sub-drains were noted along the center trench drain, presumably leading to the north and connecting to the 3-stage clarifier outside near the northwest corner of the building. Based on this information, hand augering was conducted in B3, B5, and B7 to approximately 2 and ½ feet bgs to be clear of any sub-drain lines. No lines were encountered; however, elevated Photo Ionization Detector (PID) readings (maximum 200 parts per million in B7-10') and areas of discoloration were noted in these northerly borings. Samples were analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h were detected, the lab was directed to analyze the samples for PCBs.

Former UST area—

- Monitoring wells were proposed in the former UST/dispenser island area. During drilling and soil sampling of MW4 and MW3 (the two monitoring wells proposed to the north of the former UST/dispenser island area) no groundwater was encountered, and auger refusal was encountered at 18.5 feet bgs and 16 feet bgs, respectively. Wells were installed in both of these locations, in the event of seasonal fluctuations in the groundwater table. During drilling and sampling of MW-2, no groundwater was encountered and auger refusal was encountered at 17 feet bgs. No well was set in this location; instead, a Hydropunch sample was attempted in lieu of MW1, midway between the proposed location of MW1 and MW2 (the two monitoring wells proposed to the south of the former UST/dispenser island area), in an attempt to collect a water sample. Since the Hydropunch has a smaller diameter rod, it was conjectured that this tool might be able to collect a water sample where the larger diameter well installation equipment was encountering auger refusal. Hydropunch auger refusal was encountered at 15 feet bgs, with no groundwater encountered and no sample collected.
- An attempt was made to develop MW4 and collect a groundwater sample; however, minimal water was present in the well (<1 inch), and no water sample was recoverable in the bailer. In addition, MW3 was measured with a water level indicator and no water was detected in the well. The soil samples (depths of 10 and 15 feet bgs for MW3 and MW4, respectively), from these wells were tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. The soil in each sampling tube was sub-sampled using Method 5035 for preservation.

The borings were advanced to depths ranging from 10 feet below ground surface (bgs) to 23 feet bgs using a Geoprobe 6600 direct push rig with continuous core sampling mechanism. Samples were collected at approximate 5-foot intervals. The sample sleeves were covered with Teflon, capped with plastic caps, labeled, and placed in an insulated ice chest containing ice. Only new core samplers were used at each sample location.

All soil borings and the Hydropunch location were backfilled to 4 inches below ground surface with cement/bentonite grout and capped with concrete colored to match. Monitoring wells were installed as shown on the attached well completion diagrams/boring logs, using pre-fabricated screen and seal materials (Appendix C). Investigation derived waste was collected in a steel 55-gallon drum, pending laboratory analysis. SEI coordinated its location with Sears personnel and walked boring and monitoring well locations to confirm their condition prior to departure.

4.0 SITE GEOLOGIC/HYDROGEOLOGIC CONDITIONS

The site is underlain by shallow alluvium overlying bedrock at depth. The alluvium consists of mixes silt, sand and clay, with layers of tight gravels at depth. The site is located at an elevation of approximately 20 to 30 feet above sea level, and groundwater occurs in the underlying alluvium at varying depths, slightly above sea level, corresponding to a depth of 20 to 25 feet. The historic local surface drainage flowed to the north-northeast past Mt Olivet Cemetery, and then east toward San Francisco Bay.

During the site assessment field work, groundwater was encountered at approximately 22 feet below ground surface (bgs) in B1. No groundwater was encountered in the remainder of the borings advanced. Auger refusal was encountered at varying depths due to tight clayey soil conditions and bay mud or hardpan. See Appendix C for the boring logs/monitoring well completion diagrams. The direction of groundwater flow is anticipated to generally follow the surface topography of the Site vicinity, which trends to the northeast; however, regional variation is expected due to fill and proximity to the San Pablo/San Francisco Bays.

5.0 LABORATORY ANALYSIS

All samples were tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. For samples collected around the former USTs, the soil in each sampling tube was sub-sampled using Method 5035 for preservation. All samples were maintained under appropriate preservation conditions and delivered to TestAmerica Laboratories, Inc. (TAL), a California State Certified laboratory located at 1220 Quarry Lane, in Pleasanton, California, under proper chain of custody procedures, for chemical analysis.

6.0 ANALYTICAL RESULTS

A total of 24 soil samples were submitted to TAL following proper chain-of-custody procedures. The analytical results are summarized below:

- No MTBE, other fuel oxygenates, or BTEX constituents were detected in any of the samples analyzed;
- No PCE or TCE was detected in any of the samples analyzed;
- No Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) was detected in any of the samples analyzed;
- Where constituents were detected above the laboratory practical quantitation limit (PQL), none were above respective regulatory screening levels, as shown below. See Appendix B, for the complete set of analytical results.

Table 1
Summary of Chemical Concentrations Detected Above the Laboratory PQL

Constituent	B1-22 (ug/Kg)	B2-23 (ug/Kg)	B3-10 (ug/Kg)	B8-10 (ug/Kg)	MW2-15 (ug/Kg)	MW3-10 (ug/Kg)	MW3-15 (ug/Kg)	EPA RSL* (ug/Kg)	RWQCB SSLs (mg/Kg)
TPH-D**	3.3	35	<0.99	1.5	7.8	2.0	15	NE	10,000***
Methylene Chloride	<10	16	<10	<10	<10	<10	<10	11,000	NE
Acetone	<50	<50	73	<50	<50	<50	<50	61,000,000	NE
2-Butanone (MEK)	<47	<47	<47	59	<47	<47	<47	28,000,000	NE

* Residential Soil, Source: EPA Regional Screening Level, April 2009 Master.
 ** TPH-D results are expressed in mg/Kg
 *** Diesel in soil any depth above groundwater (non-drinking water) Source: RWQCB March 1996 Guidebook: Petroleum Soil Screening Levels (SSLs)
 NE Not Established

7.0 CONCLUSIONS

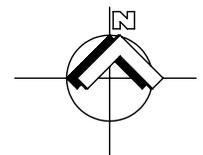
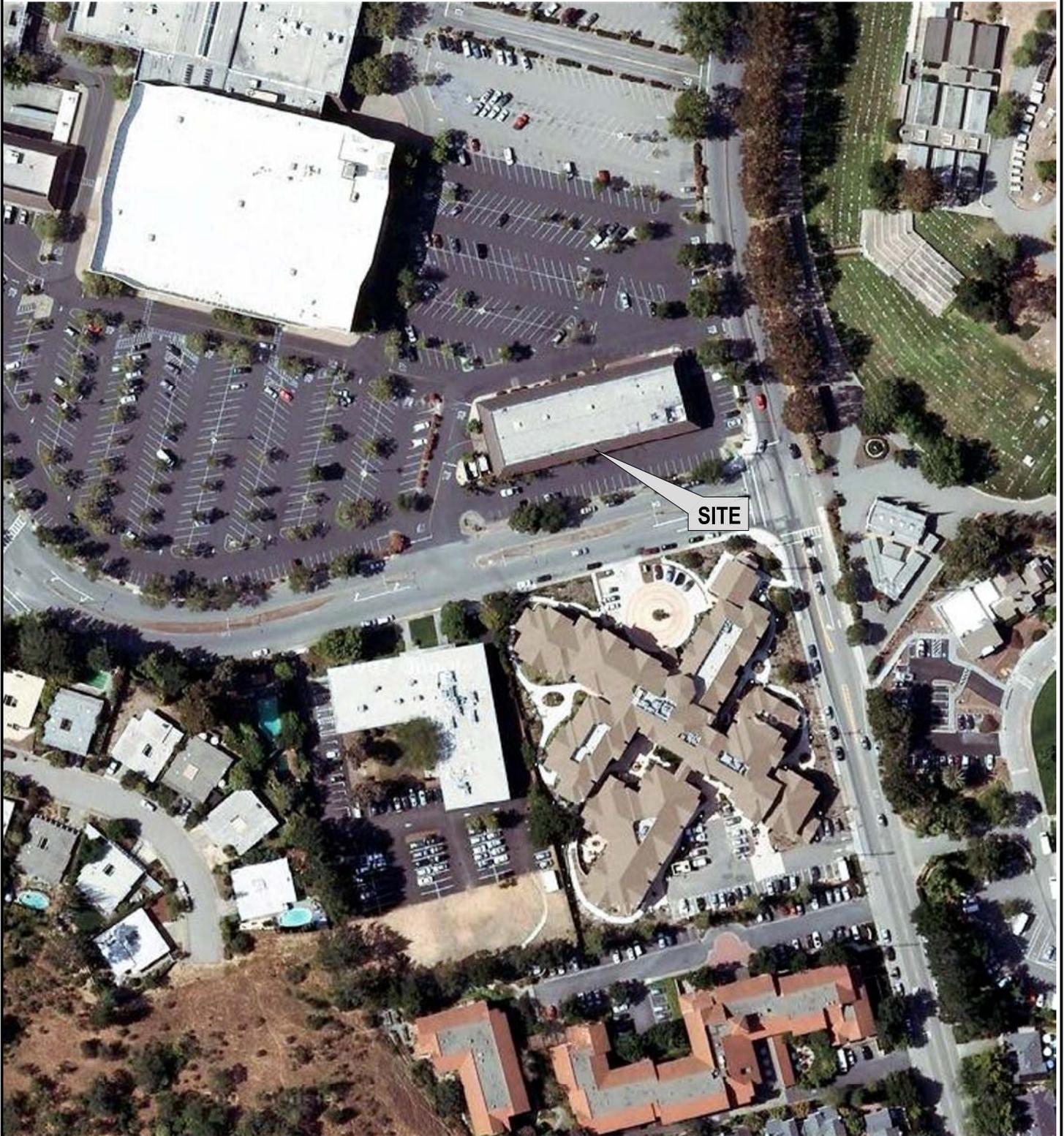
Based on field observations and laboratory analytical results, it is Sigma's professional opinion that soil in the former UST area has not been significantly impacted. No MTBE was detected in any of the samples analyzed, and no concentrations of hydrocarbons above regulatory screening levels were detected. The tight clayey soil conditions at the Site are not anticipated to be conducive to significant contaminant migration.

In addition, based on laboratory analytical results, the soil in area of the active automotive service area has not been significantly impacted. No TPH-h, PCE, or TCE was detected in the samples analyzed, and no other VOCs above regulatory screening levels were detected. The tight clayey soil conditions at the Site are not anticipated to be conducive to significant contaminant migration.

8.0 LIMITATIONS

The statements, conclusions, and recommendations are based on field observations and analytical test results. No review was performed regarding surrounding conditions or on nearby contamination. The conclusions and statements expressed in this summary report are based on observed conditions and are valid relative to those Site conditions and limited knowledge. Future review and interpretations should consider surrounding conditions and regulatory changes that may have been enacted subsequent to the preparation of this summary report.

Appendix A
Figures 1 and 2



Sigma Engineering Inc.

2101 Auto Center Drive
Oxnard, California 93036

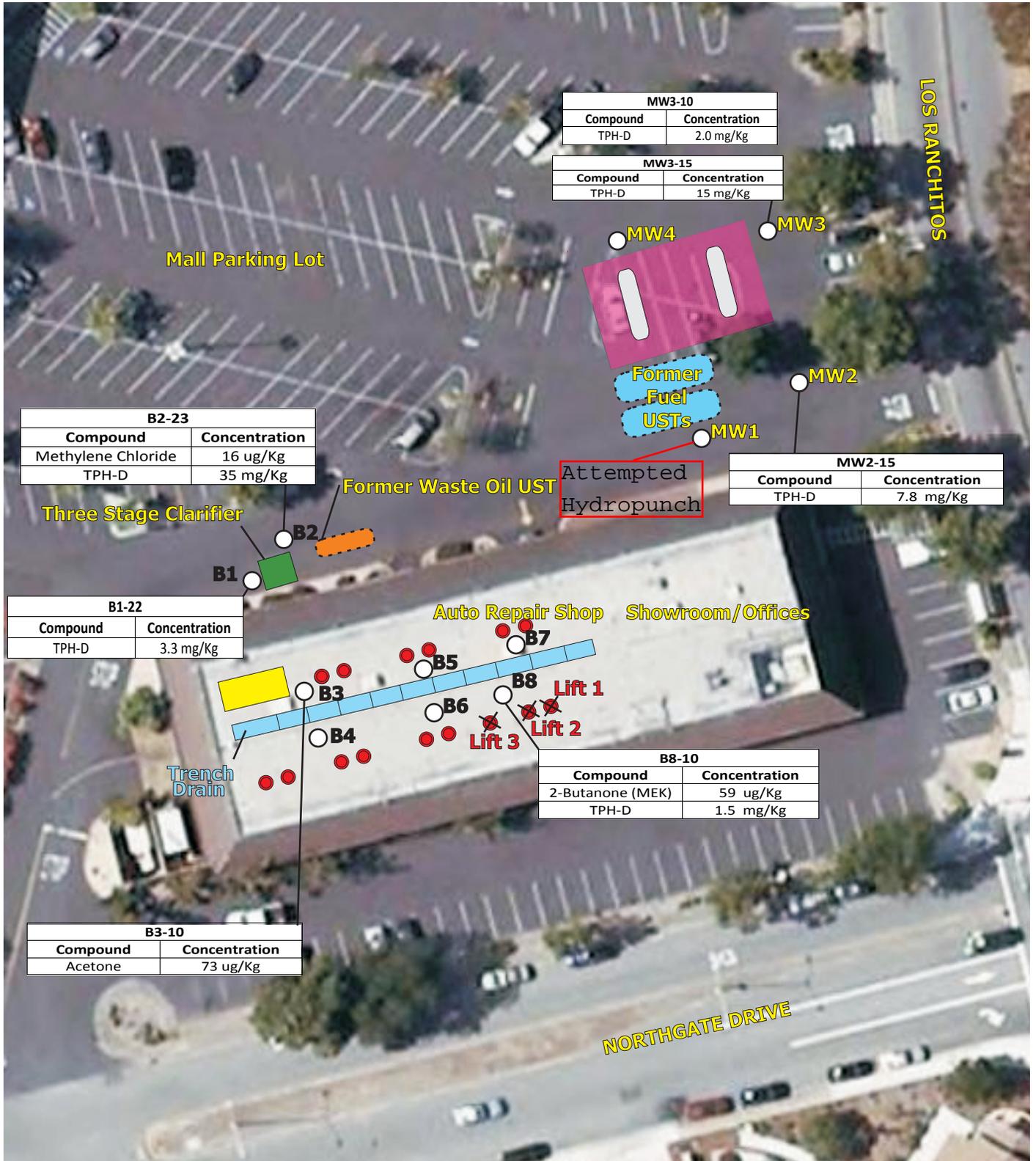
FILE NAME: 098275 DATE: 10/15/09

SOURCE:
Topographic Map
Dated 7/1/1983

Site Location Map
Sear Auto Center
9000 Northgate Mall
San Rafael, CA

FIGURE

1



SOURCE: AEI CONSULTANTS DRAWING - 8/06/09
 SCALE: 1"=40' APPROXIMATE

LEGEND

- SEI BORING/WELL LOCATION
- HYDRAULIC LIFT
- PIT AREA WITH FLOOR DRAIN
- FORMER GAS STATION CANOPY
- FORMER DISPENSER ISLAND
- FORMER HYDRAULIC LIFT
- FORMER WASTE OIL UST
- FORMER FUEL USTs

SITE MAP

9000 Northgate Mall
 San Rafael, California 94903

FIGURE 2
 Job No: 098275

SEI

Appendix B
Analytical Results & Chain-of-Custody Documentation

ANALYTICAL REPORT

Job Number: 720-23080-1

Job Description: Sears Northgate Mall, San Rafael

For:

Sigma Engineering, Inc.
2101 Auto Center Dr. #150
Oxnard, CA 93036

Attention: Mr. Chris Wells



Approved for release.
Dimple Sharma
Project Manager I
10/14/2009 5:39 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
10/14/2009

CA ELAP Certification # 2496

The Chain(s) of Custody are included and are an integral part of this report.

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TestAmerica Laboratories, Inc.

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Job Narrative
720-J23080-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: B1-10' (720-23080-1). This sample did not contain any target analytes; therefore, re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch #59302 exceeded control limits for the following analytes: 1,2-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for 1,1,2,2-Tetrachloroethane and 1,2,3-Trichloropropane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): Chlorobenzene-d5 and 1,4-dichlorobenzene-d4 are low. B2-23' (720-23080-6). The sample(s) shows evidence of matrix interference. Sample was re-extracted and re-analyzed and confirmed low internal standards.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: B2-23' (720-23080-6). 4-bromofluorobenzene is low. Evidence of matrix interference is present. Re-extraction and/or re-analysis was performed and confirmed.

Method(s) 8260B: Internal standard responses and surrogate were outside of acceptance limits for the following sample(s): MW2-15' (720-23080-14). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch #59397 exceeded control limits for the following analytes: 12DCA, DBCP, 13DCPA, MIBK, MTBE, 1122PCA, 2-HEXANONE and 1,3DCPE. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): MW4-10' (720-23080-7), MW3-10' (720-23080-10), MW3-15' (720-23080-11), MW4-15' (720-23080-8). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-23080-4 Diesel Range Organics [C10-C28]	B1-22'	3.3	1.0	mg/Kg	8015B
720-23080-6 Methylene Chloride Diesel Range Organics [C10-C28]	B2-23'	16 35	10 1.0	ug/Kg mg/Kg	8260B 8015B
720-23080-10 Diesel Range Organics [C10-C28]	MW3-10'	2.0	0.99	mg/Kg	8015B
720-23080-11 Diesel Range Organics [C10-C28]	MW3-15'	15	1.0	mg/Kg	8015B
720-23080-14 Diesel Range Organics [C10-C28]	MW2-15'	7.8	0.99	mg/Kg	8015B
720-23080-17 Acetone	B3-10'	73	50	ug/Kg	8260B
720-23080-24 2-Butanone (MEK) Diesel Range Organics [C10-C28]	B8-10'	59 1.5	47 0.99	ug/Kg mg/Kg	8260B 8015B

METHOD SUMMARY

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Closed System Purge and Trap	TAL SF		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-23080-1	B1-10'	Solid	10/05/2009 0715	10/06/2009 1834
720-23080-4	B1-22'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-5	B2-10'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-6	B2-23'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-7	MW4-10'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-8	MW4-15'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-10	MW3-10'	Solid	10/05/2009 1430	10/06/2009 1834
720-23080-11	MW3-15'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-13	MW2-10'	Solid	10/04/2009 1255	10/06/2009 1834
720-23080-14	MW2-15'	Solid	10/04/2009 1329	10/06/2009 1834
720-23080-17	B3-10'	Solid	10/04/2009 0800	10/06/2009 1834
720-23080-18	B4-10'	Solid	10/04/2009 0645	10/06/2009 1834
720-23080-20	B5-10'	Solid	10/04/2009 0830	10/06/2009 1834
720-23080-21	B6-10'	Solid	10/04/2009 0000	10/06/2009 1834
720-23080-23	B7-10'	Solid	10/06/2009 0905	10/06/2009 1834
720-23080-24	B8-10'	Solid	10/06/2009 0715	10/06/2009 1834

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1

Date Sampled: 10/05/2009 0715

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100909.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	10/10/2009 1533		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND	*	5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1

Date Sampled: 10/05/2009 0715

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100909.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	10/10/2009 1533		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GRO)-C5-C12		ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	200	X	52 - 130
1,2-Dichloroethane-d4 (Surr)	219	X	67 - 132
Toluene-d8 (Surr)	197	X	58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100916.D
Dilution:	1.0		Initial Weight/Volume: 5.17 g
Date Analyzed:	10/10/2009 1921		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.7
2-Butanone (MEK)		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.7
Chloroform		ND		4.8
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		4.8
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND	*	4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		9.7
4-Methyl-2-pentanone (MIBK)		ND		48
Naphthalene		ND		9.7

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100916.D
Dilution:	1.0		Initial Weight/Volume: 5.17 g
Date Analyzed:	10/10/2009 1921		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.8
Gasoline Range Organics (GRO)-C5-C12		ND		240
TBA		ND		4.8
DIPE		ND		4.8
TAME		ND		4.8
Ethyl t-butyl ether		ND		4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	79		52 - 130
1,2-Dichloroethane-d4 (Surr)	117		67 - 132
Toluene-d8 (Surr)	97		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100917.D
Dilution:	1.0		Initial Weight/Volume: 5.98 g
Date Analyzed:	10/10/2009 1954		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane		ND		4.2
Ethylene Dibromide		ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND		8.4
1,1-Dichloroethane		ND		4.2
1,2-Dichloroethane		ND	*	4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
cis-1,3-Dichloropropene		ND		4.2
trans-1,3-Dichloropropene		ND		4.2
Ethylbenzene		ND		4.2
Hexachlorobutadiene		ND		4.2
2-Hexanone		ND		42
Isopropylbenzene		ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID:	HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID:	10100917.D
Dilution:	1.0		Initial Weight/Volume:	5.98 g
Date Analyzed:	10/10/2009 1954		Final Weight/Volume:	10 mL
Date Prepared:	10/10/2009 1000			

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		4.2
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics (GRO)-C5-C12		ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		52 - 130
1,2-Dichloroethane-d4 (Surr)	112		67 - 132
Toluene-d8 (Surr)	104		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-23'

Lab Sample ID: 720-23080-6

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120930.D
Dilution:	1.0		Initial Weight/Volume: 5.00 g
Date Analyzed:	10/13/2009 0139		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		16		10
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		10

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-23'

Lab Sample ID: 720-23080-6

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120930.D
Dilution:	1.0		Initial Weight/Volume: 5.00 g
Date Analyzed:	10/13/2009 0139		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		10
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GRO)-C5-C12		ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	49	X	52 - 140
1,2-Dichloroethane-d4 (Surr)	108		60 - 140
Toluene-d8 (Surr)	64		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130912.D
Dilution:	1.0		Initial Weight/Volume: 6.512 g
Date Analyzed:	10/13/2009 1402		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.8
Acetone		ND		38
Benzene		ND		3.8
Dichlorobromomethane		ND		3.8
Bromobenzene		ND		3.8
Chlorobromomethane		ND		15
Bromoform		ND		3.8
Bromomethane		ND		7.7
2-Butanone (MEK)		ND		38
n-Butylbenzene		ND		3.8
sec-Butylbenzene		ND		3.8
tert-Butylbenzene		ND		3.8
Carbon disulfide		ND		3.8
Carbon tetrachloride		ND		3.8
Chlorobenzene		ND		3.8
Chloroethane		ND		7.7
Chloroform		ND		3.8
Chloromethane		ND		7.7
2-Chlorotoluene		ND		3.8
4-Chlorotoluene		ND		3.8
Chlorodibromomethane		ND		3.8
1,2-Dichlorobenzene		ND		3.8
1,3-Dichlorobenzene		ND		3.8
1,4-Dichlorobenzene		ND		3.8
1,3-Dichloropropane		ND		3.8
1,1-Dichloropropene		ND		3.8
1,2-Dibromo-3-Chloropropane		ND		3.8
Ethylene Dibromide		ND		3.8
Dibromomethane		ND		7.7
Dichlorodifluoromethane		ND		7.7
1,1-Dichloroethane		ND		3.8
1,2-Dichloroethane		ND		3.8
1,1-Dichloroethene		ND		3.8
cis-1,2-Dichloroethene		ND		3.8
trans-1,2-Dichloroethene		ND		3.8
1,2-Dichloropropane		ND		3.8
cis-1,3-Dichloropropene		ND		3.8
trans-1,3-Dichloropropene		ND		3.8
Ethylbenzene		ND		3.8
Hexachlorobutadiene		ND		3.8
2-Hexanone		ND		38
Isopropylbenzene		ND		3.8
4-Isopropyltoluene		ND		3.8
Methylene Chloride		ND		7.7
4-Methyl-2-pentanone (MIBK)		ND		38
Naphthalene		ND		7.7

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130912.D
Dilution:	1.0		Initial Weight/Volume: 6.512 g
Date Analyzed:	10/13/2009 1402		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.8
Styrene		ND		3.8
1,1,1,2-Tetrachloroethane		ND		3.8
1,1,2,2-Tetrachloroethane		ND		3.8
Tetrachloroethene		ND		3.8
Toluene		ND		3.8
1,2,3-Trichlorobenzene		ND		3.8
1,2,4-Trichlorobenzene		ND		3.8
1,1,1-Trichloroethane		ND		3.8
1,1,2-Trichloroethane		ND		3.8
Trichloroethene		ND		3.8
Trichlorofluoromethane		ND		3.8
1,2,3-Trichloropropane		ND		3.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.8
1,2,4-Trimethylbenzene		ND		3.8
1,3,5-Trimethylbenzene		ND		3.8
Vinyl acetate		ND		38
Vinyl chloride		ND		3.8
Xylenes, Total		ND		7.7
2,2-Dichloropropane		ND		3.8
Gasoline Range Organics (GRO)-C5-C12		ND		190
TBA		ND		3.8
DIPE		ND		3.8
TAME		ND		3.8
Ethyl t-butyl ether		ND		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		52 - 140
1,2-Dichloroethane-d4 (Surr)	134		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-15'

Lab Sample ID: 720-23080-8

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130913.D
Dilution:	1.0		Initial Weight/Volume: 6.798 g
Date Analyzed:	10/13/2009 1436		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.7
Acetone		ND		37
Benzene		ND		3.7
Dichlorobromomethane		ND		3.7
Bromobenzene		ND		3.7
Chlorobromomethane		ND		15
Bromoform		ND		3.7
Bromomethane		ND		7.4
2-Butanone (MEK)		ND		37
n-Butylbenzene		ND		3.7
sec-Butylbenzene		ND		3.7
tert-Butylbenzene		ND		3.7
Carbon disulfide		ND		3.7
Carbon tetrachloride		ND		3.7
Chlorobenzene		ND		3.7
Chloroethane		ND		7.4
Chloroform		ND		3.7
Chloromethane		ND		7.4
2-Chlorotoluene		ND		3.7
4-Chlorotoluene		ND		3.7
Chlorodibromomethane		ND		3.7
1,2-Dichlorobenzene		ND		3.7
1,3-Dichlorobenzene		ND		3.7
1,4-Dichlorobenzene		ND		3.7
1,3-Dichloropropane		ND		3.7
1,1-Dichloropropene		ND		3.7
1,2-Dibromo-3-Chloropropane		ND		3.7
Ethylene Dibromide		ND		3.7
Dibromomethane		ND		7.4
Dichlorodifluoromethane		ND		7.4
1,1-Dichloroethane		ND		3.7
1,2-Dichloroethane		ND		3.7
1,1-Dichloroethene		ND		3.7
cis-1,2-Dichloroethene		ND		3.7
trans-1,2-Dichloroethene		ND		3.7
1,2-Dichloropropane		ND		3.7
cis-1,3-Dichloropropene		ND		3.7
trans-1,3-Dichloropropene		ND		3.7
Ethylbenzene		ND		3.7
Hexachlorobutadiene		ND		3.7
2-Hexanone		ND		37
Isopropylbenzene		ND		3.7
4-Isopropyltoluene		ND		3.7
Methylene Chloride		ND		7.4
4-Methyl-2-pentanone (MIBK)		ND		37
Naphthalene		ND		7.4

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-15'

Lab Sample ID: 720-23080-8

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130913.D
Dilution:	1.0		Initial Weight/Volume: 6.798 g
Date Analyzed:	10/13/2009 1436		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.7
Styrene		ND		3.7
1,1,1,2-Tetrachloroethane		ND		3.7
1,1,2,2-Tetrachloroethane		ND		3.7
Tetrachloroethene		ND		3.7
Toluene		ND		3.7
1,2,3-Trichlorobenzene		ND		3.7
1,2,4-Trichlorobenzene		ND		3.7
1,1,1-Trichloroethane		ND		3.7
1,1,2-Trichloroethane		ND		3.7
Trichloroethene		ND		3.7
Trichlorofluoromethane		ND		3.7
1,2,3-Trichloropropane		ND		3.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.7
1,2,4-Trimethylbenzene		ND		3.7
1,3,5-Trimethylbenzene		ND		3.7
Vinyl acetate		ND		37
Vinyl chloride		ND		3.7
Xylenes, Total		ND		7.4
2,2-Dichloropropane		ND		3.7
Gasoline Range Organics (GRO)-C5-C12		ND		180
TBA		ND		3.7
DIPE		ND		3.7
TAME		ND		3.7
Ethyl t-butyl ether		ND		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		52 - 140
1,2-Dichloroethane-d4 (Surr)	134		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10

Date Sampled: 10/05/2009 1430

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130914.D
Dilution:	1.0		Initial Weight/Volume: 5.598 g
Date Analyzed:	10/13/2009 1509		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.5
Acetone		ND		45
Benzene		ND		4.5
Dichlorobromomethane		ND		4.5
Bromobenzene		ND		4.5
Chlorobromomethane		ND		18
Bromoform		ND		4.5
Bromomethane		ND		8.9
2-Butanone (MEK)		ND		45
n-Butylbenzene		ND		4.5
sec-Butylbenzene		ND		4.5
tert-Butylbenzene		ND		4.5
Carbon disulfide		ND		4.5
Carbon tetrachloride		ND		4.5
Chlorobenzene		ND		4.5
Chloroethane		ND		8.9
Chloroform		ND		4.5
Chloromethane		ND		8.9
2-Chlorotoluene		ND		4.5
4-Chlorotoluene		ND		4.5
Chlorodibromomethane		ND		4.5
1,2-Dichlorobenzene		ND		4.5
1,3-Dichlorobenzene		ND		4.5
1,4-Dichlorobenzene		ND		4.5
1,3-Dichloropropane		ND		4.5
1,1-Dichloropropene		ND		4.5
1,2-Dibromo-3-Chloropropane		ND		4.5
Ethylene Dibromide		ND		4.5
Dibromomethane		ND		8.9
Dichlorodifluoromethane		ND		8.9
1,1-Dichloroethane		ND		4.5
1,2-Dichloroethane		ND		4.5
1,1-Dichloroethene		ND		4.5
cis-1,2-Dichloroethene		ND		4.5
trans-1,2-Dichloroethene		ND		4.5
1,2-Dichloropropane		ND		4.5
cis-1,3-Dichloropropene		ND		4.5
trans-1,3-Dichloropropene		ND		4.5
Ethylbenzene		ND		4.5
Hexachlorobutadiene		ND		4.5
2-Hexanone		ND		45
Isopropylbenzene		ND		4.5
4-Isopropyltoluene		ND		4.5
Methylene Chloride		ND		8.9
4-Methyl-2-pentanone (MIBK)		ND		45
Naphthalene		ND		8.9

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10

Date Sampled: 10/05/2009 1430

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130914.D
Dilution:	1.0		Initial Weight/Volume: 5.598 g
Date Analyzed:	10/13/2009 1509		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.5
Styrene		ND		4.5
1,1,1,2-Tetrachloroethane		ND		4.5
1,1,2,2-Tetrachloroethane		ND		4.5
Tetrachloroethene		ND		4.5
Toluene		ND		4.5
1,2,3-Trichlorobenzene		ND		4.5
1,2,4-Trichlorobenzene		ND		4.5
1,1,1-Trichloroethane		ND		4.5
1,1,2-Trichloroethane		ND		4.5
Trichloroethene		ND		4.5
Trichlorofluoromethane		ND		4.5
1,2,3-Trichloropropane		ND		4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.5
1,2,4-Trimethylbenzene		ND		4.5
1,3,5-Trimethylbenzene		ND		4.5
Vinyl acetate		ND		45
Vinyl chloride		ND		4.5
Xylenes, Total		ND		8.9
2,2-Dichloropropane		ND		4.5
Gasoline Range Organics (GRO)-C5-C12		ND		220
TBA		ND		4.5
DIPE		ND		4.5
TAME		ND		4.5
Ethyl t-butyl ether		ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	85		52 - 140
1,2-Dichloroethane-d4 (Surr)	138		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130915.D
Dilution:	1.0		Initial Weight/Volume: 6.246 g
Date Analyzed:	10/13/2009 1543		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.0
Acetone		ND		40
Benzene		ND		4.0
Dichlorobromomethane		ND		4.0
Bromobenzene		ND		4.0
Chlorobromomethane		ND		16
Bromoform		ND		4.0
Bromomethane		ND		8.0
2-Butanone (MEK)		ND		40
n-Butylbenzene		ND		4.0
sec-Butylbenzene		ND		4.0
tert-Butylbenzene		ND		4.0
Carbon disulfide		ND		4.0
Carbon tetrachloride		ND		4.0
Chlorobenzene		ND		4.0
Chloroethane		ND		8.0
Chloroform		ND		4.0
Chloromethane		ND		8.0
2-Chlorotoluene		ND		4.0
4-Chlorotoluene		ND		4.0
Chlorodibromomethane		ND		4.0
1,2-Dichlorobenzene		ND		4.0
1,3-Dichlorobenzene		ND		4.0
1,4-Dichlorobenzene		ND		4.0
1,3-Dichloropropane		ND		4.0
1,1-Dichloropropene		ND		4.0
1,2-Dibromo-3-Chloropropane		ND		4.0
Ethylene Dibromide		ND		4.0
Dibromomethane		ND		8.0
Dichlorodifluoromethane		ND		8.0
1,1-Dichloroethane		ND		4.0
1,2-Dichloroethane		ND		4.0
1,1-Dichloroethene		ND		4.0
cis-1,2-Dichloroethene		ND		4.0
trans-1,2-Dichloroethene		ND		4.0
1,2-Dichloropropane		ND		4.0
cis-1,3-Dichloropropene		ND		4.0
trans-1,3-Dichloropropene		ND		4.0
Ethylbenzene		ND		4.0
Hexachlorobutadiene		ND		4.0
2-Hexanone		ND		40
Isopropylbenzene		ND		4.0
4-Isopropyltoluene		ND		4.0
Methylene Chloride		ND		8.0
4-Methyl-2-pentanone (MIBK)		ND		40
Naphthalene		ND		8.0

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130915.D
Dilution:	1.0		Initial Weight/Volume: 6.246 g
Date Analyzed:	10/13/2009 1543		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.0
Styrene		ND		4.0
1,1,1,2-Tetrachloroethane		ND		4.0
1,1,2,2-Tetrachloroethane		ND		4.0
Tetrachloroethene		ND		4.0
Toluene		ND		4.0
1,2,3-Trichlorobenzene		ND		4.0
1,2,4-Trichlorobenzene		ND		4.0
1,1,1-Trichloroethane		ND		4.0
1,1,2-Trichloroethane		ND		4.0
Trichloroethene		ND		4.0
Trichlorofluoromethane		ND		4.0
1,2,3-Trichloropropane		ND		4.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.0
1,2,4-Trimethylbenzene		ND		4.0
1,3,5-Trimethylbenzene		ND		4.0
Vinyl acetate		ND		40
Vinyl chloride		ND		4.0
Xylenes, Total		ND		8.0
2,2-Dichloropropane		ND		4.0
Gasoline Range Organics (GRO)-C5-C12		ND		200
TBA		ND		4.0
DIPE		ND		4.0
TAME		ND		4.0
Ethyl t-butyl ether		ND		4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	67		52 - 140
1,2-Dichloroethane-d4 (Surr)	124		60 - 140
Toluene-d8 (Surr)	92		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-10'

Lab Sample ID: 720-23080-13

Date Sampled: 10/04/2009 1255

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130916.D
Dilution:	1.0		Initial Weight/Volume: 5.986 g
Date Analyzed:	10/13/2009 1616		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane		ND		4.2
Ethylene Dibromide		ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND		8.4
1,1-Dichloroethane		ND		4.2
1,2-Dichloroethane		ND		4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
cis-1,3-Dichloropropene		ND		4.2
trans-1,3-Dichloropropene		ND		4.2
Ethylbenzene		ND		4.2
Hexachlorobutadiene		ND		4.2
2-Hexanone		ND		42
Isopropylbenzene		ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-10'

Lab Sample ID: 720-23080-13

Date Sampled: 10/04/2009 1255

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130916.D
Dilution:	1.0		Initial Weight/Volume: 5.986 g
Date Analyzed:	10/13/2009 1616		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		4.2
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics (GRO)-C5-C12		ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		52 - 140
1,2-Dichloroethane-d4 (Surr)	130		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-15'

Lab Sample ID: 720-23080-14

Date Sampled: 10/04/2009 1329

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130917.D
Dilution:	1.0		Initial Weight/Volume: 6.46 g
Date Analyzed:	10/13/2009 1649		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.9
Acetone		ND		39
Benzene		ND		3.9
Dichlorobromomethane		ND		3.9
Bromobenzene		ND		3.9
Chlorobromomethane		ND		15
Bromoform		ND		3.9
Bromomethane		ND		7.7
2-Butanone (MEK)		ND		39
n-Butylbenzene		ND		3.9
sec-Butylbenzene		ND		3.9
tert-Butylbenzene		ND		3.9
Carbon disulfide		ND		3.9
Carbon tetrachloride		ND		3.9
Chlorobenzene		ND		3.9
Chloroethane		ND		7.7
Chloroform		ND		3.9
Chloromethane		ND		7.7
2-Chlorotoluene		ND		3.9
4-Chlorotoluene		ND		3.9
Chlorodibromomethane		ND		3.9
1,2-Dichlorobenzene		ND		3.9
1,3-Dichlorobenzene		ND		3.9
1,4-Dichlorobenzene		ND		3.9
1,3-Dichloropropane		ND		3.9
1,1-Dichloropropene		ND		3.9
1,2-Dibromo-3-Chloropropane		ND		3.9
Ethylene Dibromide		ND		3.9
Dibromomethane		ND		7.7
Dichlorodifluoromethane		ND		7.7
1,1-Dichloroethane		ND		3.9
1,2-Dichloroethane		ND		3.9
1,1-Dichloroethene		ND		3.9
cis-1,2-Dichloroethene		ND		3.9
trans-1,2-Dichloroethene		ND		3.9
1,2-Dichloropropane		ND		3.9
cis-1,3-Dichloropropene		ND		3.9
trans-1,3-Dichloropropene		ND		3.9
Ethylbenzene		ND		3.9
Hexachlorobutadiene		ND		3.9
2-Hexanone		ND		39
Isopropylbenzene		ND		3.9
4-Isopropyltoluene		ND		3.9
Methylene Chloride		ND		7.7
4-Methyl-2-pentanone (MIBK)		ND		39
Naphthalene		ND		7.7

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-15'

Lab Sample ID: 720-23080-14

Date Sampled: 10/04/2009 1329

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59397	Instrument ID: HP12
Preparation:	5035	Prep Batch: 720-59492	Lab File ID: 10130917.D
Dilution:	1.0		Initial Weight/Volume: 6.46 g
Date Analyzed:	10/13/2009 1649		Final Weight/Volume: 10 mL
Date Prepared:	10/13/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.9
Styrene		ND		3.9
1,1,1,2-Tetrachloroethane		ND		3.9
1,1,2,2-Tetrachloroethane		ND		3.9
Tetrachloroethene		ND		3.9
Toluene		ND		3.9
1,2,3-Trichlorobenzene		ND		3.9
1,2,4-Trichlorobenzene		ND		3.9
1,1,1-Trichloroethane		ND		3.9
1,1,2-Trichloroethane		ND		3.9
Trichloroethene		ND		3.9
Trichlorofluoromethane		ND		3.9
1,2,3-Trichloropropane		ND		3.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.9
1,2,4-Trimethylbenzene		ND		3.9
1,3,5-Trimethylbenzene		ND		3.9
Vinyl acetate		ND		39
Vinyl chloride		ND		3.9
Xylenes, Total		ND		7.7
2,2-Dichloropropane		ND		3.9
Gasoline Range Organics (GRO)-C5-C12		ND		190
TBA		ND		3.9
DIPE		ND		3.9
TAME		ND		3.9
Ethyl t-butyl ether		ND		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	50	X	52 - 140
1,2-Dichloroethane-d4 (Surr)	120		60 - 140
Toluene-d8 (Surr)	85		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17

Date Sampled: 10/04/2009 0800

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100919.D
Dilution:	1.0		Initial Weight/Volume: 5.03 g
Date Analyzed:	10/10/2009 2059		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		73		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND	*	5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17

Date Sampled: 10/04/2009 0800

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100919.D
Dilution:	1.0		Initial Weight/Volume: 5.03 g
Date Analyzed:	10/10/2009 2059		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GRO)-C5-C12		ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		52 - 130
1,2-Dichloroethane-d4 (Surr)	114		67 - 132
Toluene-d8 (Surr)	101		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B4-10'

Lab Sample ID: 720-23080-18

Date Sampled: 10/04/2009 0645

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100920.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	10/10/2009 2132		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND	*	5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B4-10'

Lab Sample ID: 720-23080-18

Date Sampled: 10/04/2009 0645

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100920.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	10/10/2009 2132		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GRO)-C5-C12		ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		52 - 130
1,2-Dichloroethane-d4 (Surr)	113		67 - 132
Toluene-d8 (Surr)	101		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B5-10'

Lab Sample ID: 720-23080-20

Date Sampled: 10/04/2009 0830

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100921.D
Dilution:	1.0		Initial Weight/Volume: 5.96 g
Date Analyzed:	10/10/2009 2206		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane		ND		4.2
Ethylene Dibromide		ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND		8.4
1,1-Dichloroethane		ND		4.2
1,2-Dichloroethane		ND	*	4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
cis-1,3-Dichloropropene		ND		4.2
trans-1,3-Dichloropropene		ND		4.2
Ethylbenzene		ND		4.2
Hexachlorobutadiene		ND		4.2
2-Hexanone		ND		42
Isopropylbenzene		ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B5-10'

Lab Sample ID: 720-23080-20

Date Sampled: 10/04/2009 0830

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100921.D
Dilution:	1.0		Initial Weight/Volume: 5.96 g
Date Analyzed:	10/10/2009 2206		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		4.2
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics (GRO)-C5-C12		ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		52 - 130
1,2-Dichloroethane-d4 (Surr)	109		67 - 132
Toluene-d8 (Surr)	101		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21

Date Sampled: 10/04/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID:	HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID:	10100922.D
Dilution:	1.0		Initial Weight/Volume:	5.19 g
Date Analyzed:	10/10/2009 2238		Final Weight/Volume:	10 mL
Date Prepared:	10/10/2009 1000			

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.6
2-Butanone (MEK)		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.6
Chloroform		ND		4.8
Chloromethane		ND		9.6
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		4.8
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.6
Dichlorodifluoromethane		ND		9.6
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND	*	4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		9.6
4-Methyl-2-pentanone (MIBK)		ND		48
Naphthalene		ND		9.6

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21

Date Sampled: 10/04/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59302	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59352	Lab File ID: 10100922.D
Dilution:	1.0		Initial Weight/Volume: 5.19 g
Date Analyzed:	10/10/2009 2238		Final Weight/Volume: 10 mL
Date Prepared:	10/10/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.6
2,2-Dichloropropane		ND		4.8
Gasoline Range Organics (GRO)-C5-C12		ND		240
TBA		ND		4.8
DIPE		ND		4.8
TAME		ND		4.8
Ethyl t-butyl ether		ND		4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		52 - 130
1,2-Dichloroethane-d4 (Surr)	110		67 - 132
Toluene-d8 (Surr)	100		58 - 130

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23

Date Sampled: 10/06/2009 0905

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120931.D
Dilution:	1.0		Initial Weight/Volume: 5.38 g
Date Analyzed:	10/13/2009 0212		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.6
Acetone		ND		46
Benzene		ND		4.6
Dichlorobromomethane		ND		4.6
Bromobenzene		ND		4.6
Chlorobromomethane		ND		19
Bromoform		ND		4.6
Bromomethane		ND		9.3
2-Butanone (MEK)		ND		46
n-Butylbenzene		ND		4.6
sec-Butylbenzene		ND		4.6
tert-Butylbenzene		ND		4.6
Carbon disulfide		ND		4.6
Carbon tetrachloride		ND		4.6
Chlorobenzene		ND		4.6
Chloroethane		ND		9.3
Chloroform		ND		4.6
Chloromethane		ND		9.3
2-Chlorotoluene		ND		4.6
4-Chlorotoluene		ND		4.6
Chlorodibromomethane		ND		4.6
1,2-Dichlorobenzene		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,3-Dichloropropane		ND		4.6
1,1-Dichloropropene		ND		4.6
1,2-Dibromo-3-Chloropropane		ND		4.6
Ethylene Dibromide		ND		4.6
Dibromomethane		ND		9.3
Dichlorodifluoromethane		ND		9.3
1,1-Dichloroethane		ND		4.6
1,2-Dichloroethane		ND		4.6
1,1-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		ND		4.6
trans-1,2-Dichloroethene		ND		4.6
1,2-Dichloropropane		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
Ethylbenzene		ND		4.6
Hexachlorobutadiene		ND		4.6
2-Hexanone		ND		46
Isopropylbenzene		ND		4.6
4-Isopropyltoluene		ND		4.6
Methylene Chloride		ND		9.3
4-Methyl-2-pentanone (MIBK)		ND		46
Naphthalene		ND		9.3

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23

Date Sampled: 10/06/2009 0905

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120931.D
Dilution:	1.0		Initial Weight/Volume: 5.38 g
Date Analyzed:	10/13/2009 0212		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.6
Styrene		ND		4.6
1,1,1,2-Tetrachloroethane		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
Tetrachloroethene		ND		4.6
Toluene		ND		4.6
1,2,3-Trichlorobenzene		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6
1,1,1-Trichloroethane		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Trichloroethene		ND		4.6
Trichlorofluoromethane		ND		4.6
1,2,3-Trichloropropane		ND		4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.6
1,2,4-Trimethylbenzene		ND		4.6
1,3,5-Trimethylbenzene		ND		4.6
Vinyl acetate		ND		46
Vinyl chloride		ND		4.6
Xylenes, Total		ND		9.3
2,2-Dichloropropane		ND		4.6
Gasoline Range Organics (GRO)-C5-C12		ND		230
TBA		ND		4.6
DIPE		ND		4.6
TAME		ND		4.6
Ethyl t-butyl ether		ND		4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		52 - 140
1,2-Dichloroethane-d4 (Surr)	112		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B8-10'

Lab Sample ID: 720-23080-24

Date Sampled: 10/06/2009 0715

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120927.D
Dilution:	1.0		Initial Weight/Volume: 5.34 g
Date Analyzed:	10/12/2009 2359		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.7
Acetone		ND		47
Benzene		ND		4.7
Dichlorobromomethane		ND		4.7
Bromobenzene		ND		4.7
Chlorobromomethane		ND		19
Bromoform		ND		4.7
Bromomethane		ND		9.4
2-Butanone (MEK)		59		47
n-Butylbenzene		ND		4.7
sec-Butylbenzene		ND		4.7
tert-Butylbenzene		ND		4.7
Carbon disulfide		ND		4.7
Carbon tetrachloride		ND		4.7
Chlorobenzene		ND		4.7
Chloroethane		ND		9.4
Chloroform		ND		4.7
Chloromethane		ND		9.4
2-Chlorotoluene		ND		4.7
4-Chlorotoluene		ND		4.7
Chlorodibromomethane		ND		4.7
1,2-Dichlorobenzene		ND		4.7
1,3-Dichlorobenzene		ND		4.7
1,4-Dichlorobenzene		ND		4.7
1,3-Dichloropropane		ND		4.7
1,1-Dichloropropene		ND		4.7
1,2-Dibromo-3-Chloropropane		ND		4.7
Ethylene Dibromide		ND		4.7
Dibromomethane		ND		9.4
Dichlorodifluoromethane		ND		9.4
1,1-Dichloroethane		ND		4.7
1,2-Dichloroethane		ND		4.7
1,1-Dichloroethene		ND		4.7
cis-1,2-Dichloroethene		ND		4.7
trans-1,2-Dichloroethene		ND		4.7
1,2-Dichloropropane		ND		4.7
cis-1,3-Dichloropropene		ND		4.7
trans-1,3-Dichloropropene		ND		4.7
Ethylbenzene		ND		4.7
Hexachlorobutadiene		ND		4.7
2-Hexanone		ND		47
Isopropylbenzene		ND		4.7
4-Isopropyltoluene		ND		4.7
Methylene Chloride		ND		9.4
4-Methyl-2-pentanone (MIBK)		ND		47
Naphthalene		ND		9.4

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B8-10'

Lab Sample ID: 720-23080-24

Date Sampled: 10/06/2009 0715

Client Matrix: Solid

Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-59384	Instrument ID: HP12
Preparation:	5030B	Prep Batch: 720-59432	Lab File ID: 10120927.D
Dilution:	1.0		Initial Weight/Volume: 5.34 g
Date Analyzed:	10/12/2009 2359		Final Weight/Volume: 10 mL
Date Prepared:	10/12/2009 0800		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.7
Styrene		ND		4.7
1,1,1,2-Tetrachloroethane		ND		4.7
1,1,2,2-Tetrachloroethane		ND		4.7
Tetrachloroethene		ND		4.7
Toluene		ND		4.7
1,2,3-Trichlorobenzene		ND		4.7
1,2,4-Trichlorobenzene		ND		4.7
1,1,1-Trichloroethane		ND		4.7
1,1,2-Trichloroethane		ND		4.7
Trichloroethene		ND		4.7
Trichlorofluoromethane		ND		4.7
1,2,3-Trichloropropane		ND		4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.7
1,2,4-Trimethylbenzene		ND		4.7
1,3,5-Trimethylbenzene		ND		4.7
Vinyl acetate		ND		4.7
Vinyl chloride		ND		4.7
Xylenes, Total		ND		9.4
2,2-Dichloropropane		ND		4.7
Gasoline Range Organics (GRO)-C5-C12		ND		230
TBA		ND		4.7
DIPE		ND		4.7
TAME		ND		4.7
Ethyl t-butyl ether		ND		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		52 - 140
1,2-Dichloroethane-d4 (Surr)	120		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1

Client Matrix: Solid

Date Sampled: 10/05/2009 0715

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.26 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1712		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	76		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4

Date Sampled: 10/05/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.04 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1156		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1224		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3.3		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	86		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5

Client Matrix: Solid

Date Sampled: 10/05/2009 0000

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.30 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1223		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1224		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	87		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B2-23'

Lab Sample ID: 720-23080-6

Client Matrix: Solid

Date Sampled: 10/05/2009 0000

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.12 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1249		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1224		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		35		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	90		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7

Client Matrix: Solid

Date Sampled: 10/05/2009 0000

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.34 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 2147		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1451		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	85		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW4-15'

Lab Sample ID: 720-23080-8

Client Matrix: Solid

Date Sampled: 10/05/2009 0000

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.28 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 2214		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1451		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	84		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10

Client Matrix: Solid

Date Sampled: 10/05/2009 1430

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.39 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1733		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.0		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	82		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11

Client Matrix: Solid

Date Sampled: 10/05/2009 0000

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59307	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-59273	Initial Weight/Volume:	30.05 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 2241		Injection Volume:	1 uL
Date Prepared:	10/09/2009 1451		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		15		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	84		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-10'

Lab Sample ID: 720-23080-13

Client Matrix: Solid

Date Sampled: 10/04/2009 1255

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.11 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1755		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	63		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: MW2-15'

Lab Sample ID: 720-23080-14

Client Matrix: Solid

Date Sampled: 10/04/2009 1329

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.31 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1817		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		7.8		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	81		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17

Client Matrix: Solid

Date Sampled: 10/04/2009 0800

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.42 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1838		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	79		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B4-10'

Lab Sample ID: 720-23080-18

Client Matrix: Solid

Date Sampled: 10/04/2009 0645

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.07 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1900		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	73		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B5-10'

Lab Sample ID: 720-23080-20

Date Sampled: 10/04/2009 0830

Client Matrix: Solid

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.21 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1922		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	79		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21

Date Sampled: 10/04/2009 0000

Client Matrix: Solid

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.21 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 1943		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	78		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23

Date Sampled: 10/06/2009 0905

Client Matrix: Solid

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.05 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 2005		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0854		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	78		31 - 114

Analytical Data

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Client Sample ID: B8-10'

Lab Sample ID: 720-23080-24

Client Matrix: Solid

Date Sampled: 10/06/2009 0715

Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-59305	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-59312	Initial Weight/Volume:	30.29 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	10/10/2009 2027		Injection Volume:	1 uL
Date Prepared:	10/10/2009 0907		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.5		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	86		31 - 114

DATA REPORTING QUALIFIERS

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Analysis Batch:720-59302					
LCS 720-59352/2-A	Lab Control Sample	T	Solid	8260B	720-59352
LCS 720-59352/4-A	Lab Control Sample	T	Solid	8260B	720-59352
LCSD 720-59352/3-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59352
LCSD 720-59352/5-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59352
MB 720-59352/6-A	Method Blank	T	Solid	8260B	720-59352
720-23080-1	B1-10'	T	Solid	8260B	720-59352
720-23080-1MS	Matrix Spike	T	Solid	8260B	720-59352
720-23080-1MSD	Matrix Spike Duplicate	T	Solid	8260B	720-59352
720-23080-4	B1-22'	T	Solid	8260B	720-59352
720-23080-5	B2-10'	T	Solid	8260B	720-59352
720-23080-17	B3-10'	T	Solid	8260B	720-59352
720-23080-18	B4-10'	T	Solid	8260B	720-59352
720-23080-20	B5-10'	T	Solid	8260B	720-59352
720-23080-21	B6-10'	T	Solid	8260B	720-59352
Prep Batch: 720-59352					
LCS 720-59352/2-A	Lab Control Sample	T	Solid	5030B	
LCS 720-59352/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-59352/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-59352/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-59352/6-A	Method Blank	T	Solid	5030B	
720-23080-1	B1-10'	T	Solid	5030B	
720-23080-1MS	Matrix Spike	T	Solid	5030B	
720-23080-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-23080-4	B1-22'	T	Solid	5030B	
720-23080-5	B2-10'	T	Solid	5030B	
720-23080-17	B3-10'	T	Solid	5030B	
720-23080-18	B4-10'	T	Solid	5030B	
720-23080-20	B5-10'	T	Solid	5030B	
720-23080-21	B6-10'	T	Solid	5030B	
Analysis Batch:720-59384					
LCS 720-59432/1-A	Lab Control Sample	T	Solid	8260B	720-59432
LCS 720-59432/4-A	Lab Control Sample	T	Solid	8260B	720-59432
LCSD 720-59432/2-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59432
LCSD 720-59432/5-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59432
MB 720-59432/3-A	Method Blank	T	Solid	8260B	720-59432
720-23080-6	B2-23'	T	Solid	8260B	720-59432
720-23080-23	B7-10'	T	Solid	8260B	720-59432
720-23080-24	B8-10'	T	Solid	8260B	720-59432
720-23080-24MS	Matrix Spike	T	Solid	8260B	720-59432
720-23080-24MSD	Matrix Spike Duplicate	T	Solid	8260B	720-59432

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Analysis Batch:720-59397					
LCS 720-59492/4-A	Lab Control Sample	T	Solid	8260B	720-59492
LCSD 720-59492/5-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59492
MB 720-59492/1-A	Method Blank	T	Solid	8260B	720-59492
720-23080-7	MW4-10'	T	Solid	8260B	720-59492
720-23080-8	MW4-15'	T	Solid	8260B	720-59492
720-23080-10	MW3-10'	T	Solid	8260B	720-59492
720-23080-11	MW3-15'	T	Solid	8260B	720-59492
720-23080-13	MW2-10'	T	Solid	8260B	720-59492
720-23080-14	MW2-15'	T	Solid	8260B	720-59492
Prep Batch: 720-59432					
LCS 720-59432/1-A	Lab Control Sample	T	Solid	5030B	
LCS 720-59432/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-59432/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
LCSD 720-59432/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-59432/3-A	Method Blank	T	Solid	5030B	
720-23080-6	B2-23'	T	Solid	5030B	
720-23080-23	B7-10'	T	Solid	5030B	
720-23080-24	B8-10'	T	Solid	5030B	
720-23080-24MS	Matrix Spike	T	Solid	5030B	
720-23080-24MSD	Matrix Spike Duplicate	T	Solid	5030B	
Prep Batch: 720-59492					
LCS 720-59492/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-59492/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-59492/1-A	Method Blank	T	Solid	5035	
720-23080-7	MW4-10'	T	Solid	5035	
720-23080-8	MW4-15'	T	Solid	5035	
720-23080-10	MW3-10'	T	Solid	5035	
720-23080-11	MW3-15'	T	Solid	5035	
720-23080-13	MW2-10'	T	Solid	5035	
720-23080-14	MW2-15'	T	Solid	5035	

Report Basis

T = Total

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-59273					
LCS 720-59273/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-59273/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-59273/1-A	Method Blank	T	Solid	3550B	
720-23080-4	B1-22'	T	Solid	3550B	
720-23080-5	B2-10'	T	Solid	3550B	
720-23080-6	B2-23'	T	Solid	3550B	
720-23080-7	MW4-10'	T	Solid	3550B	
720-23080-8	MW4-15'	T	Solid	3550B	
720-23080-11	MW3-15'	T	Solid	3550B	
Analysis Batch:720-59305					
LCS 720-59312/2-B	Lab Control Sample	T	Solid	8015B	720-59312
LCSD 720-59312/3-B	Lab Control Sample Duplicate	T	Solid	8015B	720-59312
MB 720-59312/1-B	Method Blank	T	Solid	8015B	720-59312
720-23080-1	B1-10'	T	Solid	8015B	720-59312
720-23080-1MS	Matrix Spike	T	Solid	8015B	720-59312
720-23080-1MSD	Matrix Spike Duplicate	T	Solid	8015B	720-59312
720-23080-10	MW3-10'	T	Solid	8015B	720-59312
720-23080-13	MW2-10'	T	Solid	8015B	720-59312
720-23080-14	MW2-15'	T	Solid	8015B	720-59312
720-23080-17	B3-10'	T	Solid	8015B	720-59312
720-23080-18	B4-10'	T	Solid	8015B	720-59312
720-23080-20	B5-10'	T	Solid	8015B	720-59312
720-23080-21	B6-10'	T	Solid	8015B	720-59312
720-23080-23	B7-10'	T	Solid	8015B	720-59312
720-23080-24	B8-10'	T	Solid	8015B	720-59312
Analysis Batch:720-59307					
LCS 720-59273/2-A	Lab Control Sample	T	Solid	8015B	720-59273
LCSD 720-59273/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-59273
MB 720-59273/1-A	Method Blank	T	Solid	8015B	720-59273
720-23080-4	B1-22'	T	Solid	8015B	720-59273
720-23080-5	B2-10'	T	Solid	8015B	720-59273
720-23080-6	B2-23'	T	Solid	8015B	720-59273
720-23080-7	MW4-10'	T	Solid	8015B	720-59273
720-23080-8	MW4-15'	T	Solid	8015B	720-59273
720-23080-11	MW3-15'	T	Solid	8015B	720-59273

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-59312					
LCS 720-59312/2-B	Lab Control Sample	T	Solid	3550B	
LCSD 720-59312/3-B	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-59312/1-B	Method Blank	T	Solid	3550B	
720-23080-1	B1-10'	T	Solid	3550B	
720-23080-1MS	Matrix Spike	T	Solid	3550B	
720-23080-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-23080-10	MW3-10'	T	Solid	3550B	
720-23080-13	MW2-10'	T	Solid	3550B	
720-23080-14	MW2-15'	T	Solid	3550B	
720-23080-17	B3-10'	T	Solid	3550B	
720-23080-18	B4-10'	T	Solid	3550B	
720-23080-20	B5-10'	T	Solid	3550B	
720-23080-21	B6-10'	T	Solid	3550B	
720-23080-23	B7-10'	T	Solid	3550B	
720-23080-24	B8-10'	T	Solid	3550B	

Report Basis

T = Total

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59352

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-59352/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1447
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100908.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59352

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-59352/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1447
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100908.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	52 - 130
1,2-Dichloroethane-d4 (Surr)	128	67 - 132
Toluene-d8 (Surr)	106	58 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59352/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1236
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100904.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1309
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100905.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	123	111	69 - 125	10	20		
Acetone	124	109	37 - 150	12	20		
Benzene	100	98	72 - 120	1	20		
Dichlorobromomethane	122	116	64 - 135	5	20		
Bromobenzene	98	97	77 - 121	1	20		
Chlorobromomethane	103	98	65 - 128	5	20		
Bromoform	118	108	58 - 132	9	20		
Bromomethane	98	93	56 - 124	6	20		
2-Butanone (MEK)	130	111	41 - 150	16	20		
n-Butylbenzene	110	110	60 - 145	0	20		
sec-Butylbenzene	101	102	64 - 137	1	20		
tert-Butylbenzene	101	103	63 - 134	1	20		
Carbon disulfide	84	83	10 - 150	1	20		
Carbon tetrachloride	108	110	54 - 141	1	20		
Chlorobenzene	103	99	70 - 121	3	20		
Chloroethane	103	94	61 - 125	9	20		
Chloroform	109	107	67 - 125	2	20		
Chloromethane	99	94	50 - 131	5	20		
2-Chlorotoluene	106	108	75 - 131	2	20		
4-Chlorotoluene	107	107	76 - 129	0	20		
Chlorodibromomethane	123	116	60 - 140	5	20		
1,2-Dichlorobenzene	102	100	73 - 126	2	20		
1,3-Dichlorobenzene	100	99	73 - 128	0	20		
1,4-Dichlorobenzene	98	97	72 - 122	1	20		
1,3-Dichloropropane	118	110	74 - 127	6	20		
1,1-Dichloropropene	106	105	67 - 128	1	20		
1,2-Dibromo-3-Chloropropane	123	109	57 - 130	12	20		
Ethylene Dibromide	114	105	66 - 135	8	20		
Dibromomethane	116	109	65 - 131	7	20		
Dichlorodifluoromethane	96	92	38 - 120	5	20		
1,1-Dichloroethane	107	105	67 - 126	2	20		
1,2-Dichloroethane	124	117	73 - 122	6	20		*

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59352/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1236
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100904.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1309
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100905.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1-Dichloroethene	99	99	64 - 129	0	20		
cis-1,2-Dichloroethene	109	106	68 - 131	3	20		
trans-1,2-Dichloroethene	98	96	70 - 130	2	20		
1,2-Dichloropropane	107	103	65 - 133	4	20		
cis-1,3-Dichloropropene	126	117	46 - 139	7	20		
trans-1,3-Dichloropropene	128	118	55 - 131	8	20		
Ethylbenzene	109	105	65 - 130	3	20		
Hexachlorobutadiene	100	100	58 - 132	1	20		
2-Hexanone	132	112	44 - 150	17	20		
Isopropylbenzene	91	90	65 - 130	1	20		
4-Isopropyltoluene	104	105	69 - 134	2	20		
Methylene Chloride	100	94	63 - 129	7	20		
4-Methyl-2-pentanone (MIBK)	131	114	51 - 140	14	20		
Naphthalene	115	108	45 - 146	7	20		
N-Propylbenzene	103	104	71 - 130	1	20		
Styrene	109	105	58 - 135	4	20		
1,1,1,2-Tetrachloroethane	111	108	64 - 133	3	20		
1,1,2,2-Tetrachloroethane	122	112	75 - 131	9	20		
Tetrachloroethene	95	94	67 - 128	0	20		
Toluene	100	98	72 - 120	2	20		
1,2,3-Trichlorobenzene	106	103	58 - 138	2	20		
1,2,4-Trichlorobenzene	101	97	49 - 144	4	20		
1,1,1-Trichloroethane	108	109	57 - 133	1	20		
1,1,2-Trichloroethane	120	111	68 - 132	8	20		
Trichloroethene	95	93	66 - 125	2	20		
Trichlorofluoromethane	104	105	61 - 127	1	20		
1,2,3-Trichloropropane	125	115	62 - 150	8	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	91	52 - 126	1	20		
1,2,4-Trimethylbenzene	113	113	64 - 140	0	20		
1,3,5-Trimethylbenzene	107	108	67 - 134	0	20		
Vinyl acetate	123	114	52 - 150	8	20		
Vinyl chloride	100	100	62 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59352/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1236
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100904.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1309
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100905.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,2-Dichloropropane	116	115	63 - 130	1	20		
TBA	90	91	70 - 130	0	20		
DIPE	107	101	70 - 130	5	20		
TAME	125	115	70 - 130	9	20		
Ethyl t-butyl ether	111	103	70 - 130	8	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	112		107		52 - 130		
1,2-Dichloroethane-d4 (Surr)	127		119		67 - 132		
Toluene-d8 (Surr)	106		108		58 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59352/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1341
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100906.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1414
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100907.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	96	99	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	111		110			52 - 130	
1,2-Dichloroethane-d4 (Surr)	124		124			67 - 132	
Toluene-d8 (Surr)	107		108			58 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-23080-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1605
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352

Instrument ID: Chenstation 3
Lab File ID: 10100910.D
Initial Weight/Volume: 5.04 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1638
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352

Instrument ID: Chenstation 3
Lab File ID: 10100911.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Methyl tert-butyl ether	106	107	69 - 130	2	20		
Acetone	105	105	37 - 150	1	20		
Benzene	97	98	70 - 130	3	20		
Dichlorobromomethane	113	114	64 - 135	2	20		
Bromobenzene	100	102	70 - 130	2	20		
Chlorobromomethane	95	96	65 - 130	2	20		
Bromoform	102	106	58 - 132	5	20		
Bromomethane	94	92	56 - 130	1	20		
2-Butanone (MEK)	105	104	41 - 150	0	20		
n-Butylbenzene	111	114	60 - 145	3	20		
sec-Butylbenzene	109	110	64 - 137	2	20		
tert-Butylbenzene	110	111	63 - 134	2	20		
Carbon disulfide	85	84	10 - 150	0	20		
Carbon tetrachloride	113	114	54 - 130	2	20		
Chlorobenzene	99	100	70 - 130	2	20		
Chloroethane	97	102	61 - 130	6	20		
Chloroform	106	107	67 - 130	1	20		
Chloromethane	94	94	50 - 131	1	20		
2-Chlorotoluene	110	112	70 - 130	3	20		
4-Chlorotoluene	109	111	70 - 130	3	20		
Chlorodibromomethane	112	113	60 - 141	2	20		
1,2-Dichlorobenzene	98	102	70 - 130	5	20		
1,3-Dichlorobenzene	100	101	70 - 130	1	20		
1,4-Dichlorobenzene	98	99	70 - 130	2	20		
1,3-Dichloropropane	106	106	70 - 130	1	20		
1,1-Dichloropropene	108	107	67 - 130	0	20		
1,2-Dibromo-3-Chloropropane	101	112	57 - 130	11	20		
Ethylene Dibromide	102	104	66 - 135	3	20		
Dibromomethane	105	104	65 - 131	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-59352

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 720-23080-1
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/10/2009 1605
 Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
 Prep Batch: 720-59352

Instrument ID: Chenstation 3
 Lab File ID: 10100910.D
 Initial Weight/Volume: 5.04 g
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-1
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/10/2009 1638
 Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
 Prep Batch: 720-59352

Instrument ID: Chenstation 3
 Lab File ID: 10100911.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	101	99	38 - 130	1	20		
1,1-Dichloroethane	104	105	67 - 130	2	20		
1,2-Dichloroethane	113	116	70 - 130	3	20		
1,1-Dichloroethene	101	101	64 - 130	1	20		
cis-1,2-Dichloroethene	105	106	68 - 131	2	20		
trans-1,2-Dichloroethene	97	96	70 - 130	0	20		
1,2-Dichloropropane	101	101	65 - 133	1	20		
cis-1,3-Dichloropropene	112	112	46 - 139	2	20		
trans-1,3-Dichloropropene	113	115	55 - 131	3	20		
Ethylbenzene	107	106	65 - 130	1	20		
Hexachlorobutadiene	90	97	58 - 132	8	20		
2-Hexanone	106	113	44 - 150	7	20		
Isopropylbenzene	92	91	65 - 130	0	20		
4-Isopropyltoluene	110	112	69 - 134	3	20		
Methylene Chloride	92	91	63 - 130	0	20		
4-Methyl-2-pentanone (MIBK)	107	111	51 - 140	5	20		
Naphthalene	91	98	45 - 146	8	20		
N-Propylbenzene	109	110	70 - 130	2	20		
Styrene	103	104	58 - 135	2	20		
1,1,1,2-Tetrachloroethane	105	109	64 - 133	4	20		
1,1,2,2-Tetrachloroethane	111	120	70 - 131	8	20		
Tetrachloroethene	97	96	67 - 130	0	20		
Toluene	99	100	70 - 130	1	20		
1,2,3-Trichlorobenzene	85	91	58 - 138	8	20		
1,2,4-Trichlorobenzene	85	87	49 - 144	3	20		
1,1,1-Trichloroethane	112	114	57 - 133	2	20		
1,1,2-Trichloroethane	107	109	68 - 132	2	20		
Trichloroethene	95	97	66 - 130	2	20		
Trichlorofluoromethane	108	108	61 - 130	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-59352**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-23080-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1605
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352

Instrument ID: Chenstation 3
Lab File ID: 10100910.D
Initial Weight/Volume: 5.04 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/10/2009 1638
Date Prepared: 10/10/2009 1000

Analysis Batch: 720-59302
Prep Batch: 720-59352

Instrument ID: Chenstation 3
Lab File ID: 10100911.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2,3-Trichloropropane	113	119	62 - 150	7	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	96	98	52 - 130	2	20		
1,2,4-Trimethylbenzene	114	115	64 - 140	2	20		
1,3,5-Trimethylbenzene	112	113	67 - 134	2	20		
Vinyl acetate	37	25	52 - 150	35	20	F	F
Vinyl chloride	101	102	62 - 130	1	20		
2,2-Dichloropropane	117	118	63 - 130	1	20		
TBA	91	97	70 - 130	8	20		
DIPE	99	100	70 - 130	2	20		
TAME	110	110	70 - 130	1	20		
Ethyl t-butyl ether	99	100	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	111		104	52 - 130			
1,2-Dichloroethane-d4 (Surr)	120		116	67 - 132			
Toluene-d8 (Surr)	111		107	58 - 130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59432

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-59432/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2253
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120925.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59432

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-59432/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2253
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120925.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	52 - 140
1,2-Dichloroethane-d4 (Surr)	119	60 - 140
Toluene-d8 (Surr)	103	58 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59432**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59432/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2042
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120921.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2115
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120922.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	114	109	69 - 125	4	20		
Acetone	125	117	37 - 150	7	20		
Benzene	104	103	72 - 120	1	20		
Dichlorobromomethane	119	117	64 - 135	2	20		
Bromobenzene	98	98	77 - 121	0	20		
Chlorobromomethane	98	97	65 - 128	2	20		
Bromoform	108	106	58 - 132	1	20		
Bromomethane	102	99	56 - 124	3	20		
2-Butanone (MEK)	122	116	41 - 150	5	20		
n-Butylbenzene	120	120	60 - 145	1	20		
sec-Butylbenzene	108	108	64 - 137	0	20		
tert-Butylbenzene	106	106	63 - 134	0	20		
Carbon disulfide	92	91	10 - 150	1	20		
Carbon tetrachloride	109	107	54 - 141	1	20		
Chlorobenzene	103	103	70 - 121	0	20		
Chloroethane	105	105	61 - 125	0	20		
Chloroform	109	108	67 - 125	1	20		
Chloromethane	106	106	50 - 131	0	20		
2-Chlorotoluene	112	111	75 - 131	1	20		
4-Chlorotoluene	113	112	76 - 129	1	20		
Chlorodibromomethane	116	113	60 - 140	3	20		
1,2-Dichlorobenzene	103	104	73 - 126	1	20		
1,3-Dichlorobenzene	102	102	73 - 128	1	20		
1,4-Dichlorobenzene	100	100	72 - 122	1	20		
1,3-Dichloropropane	119	115	74 - 127	4	20		
1,1-Dichloropropene	111	109	67 - 128	1	20		
1,2-Dibromo-3-Chloropropane	118	106	57 - 130	11	20		
Ethylene Dibromide	110	106	66 - 135	4	20		
Dibromomethane	115	113	65 - 131	2	20		
Dichlorodifluoromethane	110	111	38 - 120	1	20		
1,1-Dichloroethane	111	110	67 - 126	1	20		
1,2-Dichloroethane	118	116	73 - 122	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59432**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59432/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2042
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120921.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2115
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120922.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1-Dichloroethene	107	106	64 - 129	1	20		
cis-1,2-Dichloroethene	112	111	68 - 131	1	20		
trans-1,2-Dichloroethene	101	99	70 - 130	2	20		
1,2-Dichloropropane	110	107	65 - 133	3	20		
cis-1,3-Dichloropropene	123	122	46 - 139	1	20		
trans-1,3-Dichloropropene	122	120	55 - 131	2	20		
Ethylbenzene	110	108	65 - 130	2	20		
Hexachlorobutadiene	106	109	58 - 132	2	20		
2-Hexanone	124	113	44 - 150	9	20		
Isopropylbenzene	93	92	65 - 130	1	20		
4-Isopropyltoluene	109	109	69 - 134	0	20		
Methylene Chloride	98	99	63 - 129	0	20		
4-Methyl-2-pentanone (MIBK)	124	114	51 - 140	8	20		
Naphthalene	120	116	45 - 146	3	20		
N-Propylbenzene	109	110	71 - 130	1	20		
Styrene	108	106	58 - 135	2	20		
1,1,1,2-Tetrachloroethane	107	106	64 - 133	1	20		
1,1,2,2-Tetrachloroethane	123	117	75 - 131	5	20		
Tetrachloroethene	93	93	67 - 128	1	20		
Toluene	101	101	72 - 120	1	20		
1,2,3-Trichlorobenzene	109	109	58 - 138	0	20		
1,2,4-Trichlorobenzene	105	105	49 - 144	0	20		
1,1,1-Trichloroethane	107	108	57 - 133	1	20		
1,1,2-Trichloroethane	119	114	68 - 132	4	20		
Trichloroethene	93	90	66 - 125	3	20		
Trichlorofluoromethane	110	107	61 - 127	3	20		
1,2,3-Trichloropropane	126	123	62 - 150	3	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	94	92	52 - 126	2	20		
1,2,4-Trimethylbenzene	115	116	64 - 140	1	20		
1,3,5-Trimethylbenzene	111	111	67 - 134	0	20		
Vinyl acetate	122	117	52 - 150	4	20		
Vinyl chloride	101	99	62 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59432**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-59432/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2042
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120921.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/12/2009 2115
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120922.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,2-Dichloropropane	117	115	63 - 130	1	20		
TBA	91	91	70 - 130	0	20		
DIPE	105	102	70 - 130	2	20		
TAME	118	113	70 - 130	4	20		
Ethyl t-butyl ether	106	101	70 - 130	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	112		109		52 - 140		
1,2-Dichloroethane-d4 (Surr)	118		114		60 - 140		
Toluene-d8 (Surr)	105		104		58 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 720-59432

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 720-59432/4-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/12/2009 2148
 Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
 Prep Batch: 720-59432
 Units: ug/Kg

Instrument ID: Chenstation 3
 Lab File ID: 10120923.D
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/5-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/12/2009 2220
 Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
 Prep Batch: 720-59432
 Units: ug/Kg

Instrument ID: Chenstation 3
 Lab File ID: 10120924.D
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	96	96	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	111		112			52 - 140	
1,2-Dichloroethane-d4 (Surr)	119		123			60 - 140	
Toluene-d8 (Surr)	105		105			58 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-59432

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 720-23080-24
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/13/2009 0032
 Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
 Prep Batch: 720-59432

Instrument ID: Chenstation 3
 Lab File ID: 10120928.D
 Initial Weight/Volume: 5.01 g
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-24
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/13/2009 0105
 Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
 Prep Batch: 720-59432

Instrument ID: Chenstation 3
 Lab File ID: 10120929.D
 Initial Weight/Volume: 5.06 g
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Methyl tert-butyl ether	113	117	69 - 130	3	20		
Acetone	131	136	37 - 150	2	20		
Benzene	101	103	70 - 130	1	20		
Dichlorobromomethane	118	118	64 - 135	1	20		
Bromobenzene	101	100	70 - 130	2	20		
Chlorobromomethane	98	100	65 - 130	1	20		
Bromoform	113	115	58 - 132	1	20		
Bromomethane	86	88	56 - 130	1	20		
2-Butanone (MEK)	113	125	41 - 150	6	20		
n-Butylbenzene	118	120	60 - 145	1	20		
sec-Butylbenzene	111	112	64 - 137	0	20		
tert-Butylbenzene	109	109	63 - 134	1	20		
Carbon disulfide	94	96	10 - 150	2	20		
Carbon tetrachloride	101	102	54 - 130	0	20		
Chlorobenzene	100	104	70 - 130	3	20		
Chloroethane	93	93	61 - 130	0	20		
Chloroform	106	109	67 - 130	2	20		
Chloromethane	79	81	50 - 131	2	20		
2-Chlorotoluene	113	114	70 - 130	0	20		
4-Chlorotoluene	114	115	70 - 130	0	20		
Chlorodibromomethane	117	119	60 - 141	0	20		
1,2-Dichlorobenzene	107	107	70 - 130	2	20		
1,3-Dichlorobenzene	101	102	70 - 130	0	20		
1,4-Dichlorobenzene	102	102	70 - 130	1	20		
1,3-Dichloropropane	120	122	70 - 130	1	20		
1,1-Dichloropropene	102	105	67 - 130	2	20		
1,2-Dibromo-3-Chloropropane	121	128	57 - 130	5	20		
Ethylene Dibromide	110	115	66 - 135	3	20		
Dibromomethane	114	115	65 - 131	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-59432**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-23080-24
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 0032
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432

Instrument ID: Chenstation 3
Lab File ID: 10120928.D
Initial Weight/Volume: 5.01 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-24
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 0105
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432

Instrument ID: Chenstation 3
Lab File ID: 10120929.D
Initial Weight/Volume: 5.06 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	57	59	38 - 130	2	20		
1,1-Dichloroethane	108	109	67 - 130	1	20		
1,2-Dichloroethane	116	120	70 - 130	2	20		
1,1-Dichloroethene	100	101	64 - 130	0	20		
cis-1,2-Dichloroethene	109	111	68 - 131	1	20		
trans-1,2-Dichloroethene	97	97	70 - 130	1	20		
1,2-Dichloropropane	108	113	65 - 133	4	20		
cis-1,3-Dichloropropene	120	123	46 - 139	2	20		
trans-1,3-Dichloropropene	119	123	55 - 131	3	20		
Ethylbenzene	105	110	65 - 130	3	20		
Hexachlorobutadiene	102	105	58 - 132	2	20		
2-Hexanone	130	133	44 - 150	2	20		
Isopropylbenzene	90	92	65 - 130	2	20		
4-Isopropyltoluene	112	112	69 - 134	0	20		
Methylene Chloride	104	106	63 - 130	0	20		
4-Methyl-2-pentanone (MIBK)	132	132	51 - 140	1	20		
Naphthalene	115	116	45 - 146	0	20		
N-Propylbenzene	112	111	70 - 130	2	20		
Styrene	104	107	58 - 135	1	20		
1,1,1,2-Tetrachloroethane	107	110	64 - 133	1	20		
1,1,2,2-Tetrachloroethane	138	137	70 - 131	2	20	F	F
Tetrachloroethene	87	89	67 - 130	2	20		
Toluene	100	102	70 - 130	1	20		
1,2,3-Trichlorobenzene	102	103	58 - 138	0	20		
1,2,4-Trichlorobenzene	93	95	49 - 144	1	20		
1,1,1-Trichloroethane	102	102	57 - 133	1	20		
1,1,2-Trichloroethane	122	121	68 - 132	2	20		
Trichloroethene	87	87	66 - 130	1	20		
Trichlorofluoromethane	95	96	61 - 130	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-59432**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-23080-24
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 0032
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432

Instrument ID: Chenstation 3
Lab File ID: 10120928.D
Initial Weight/Volume: 5.01 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-23080-24
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 0105
Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384
Prep Batch: 720-59432

Instrument ID: Chenstation 3
Lab File ID: 10120929.D
Initial Weight/Volume: 5.06 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2,3-Trichloropropane	139	140	62 - 150	0	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	85	85	52 - 130	1	20		
1,2,4-Trimethylbenzene	118	119	64 - 140	0	20		
1,3,5-Trimethylbenzene	113	113	67 - 134	1	20		
Vinyl acetate	21	16	52 - 150	26	20	F	F
Vinyl chloride	79	80	62 - 130	1	20		
2,2-Dichloropropane	104	109	63 - 130	4	20		
TBA	92	93	70 - 130	0	20		
DIPE	108	109	70 - 130	0	20		
TAME	117	121	70 - 130	2	20		
Ethyl t-butyl ether	105	109	70 - 130	2	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	108		110	52 - 140			
1,2-Dichloroethane-d4 (Surr)	118		117	60 - 140			
Toluene-d8 (Surr)	102		104	58 - 140			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59492

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-59492/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 1315
Date Prepared: 10/13/2009 0800

Analysis Batch: 720-59397
Prep Batch: 720-59492
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10130911.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Method Blank - Batch: 720-59492

**Method: 8260B
Preparation: 5035**

Lab Sample ID: MB 720-59492/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/13/2009 1315
 Date Prepared: 10/13/2009 0800

Analysis Batch: 720-59397
 Prep Batch: 720-59492
 Units: ug/Kg

Instrument ID: Chenstation 3
 Lab File ID: 10130911.D
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	52 - 140
1,2-Dichloroethane-d4 (Surr)	137	60 - 140
Toluene-d8 (Surr)	105	58 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-59492**

**Method: 8260B
Preparation: 5035**

LCS Lab Sample ID: LCS 720-59492/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 1211
Date Prepared: 10/13/2009 0800

Analysis Batch: 720-59397
Prep Batch: 720-59492
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10130909.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59492/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 1243
Date Prepared: 10/13/2009 0800

Analysis Batch: 720-59397
Prep Batch: 720-59492
Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10130910.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	93	91	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	114		116			52 - 140	
1,2-Dichloroethane-d4 (Surr)	125		133			60 - 140	
Toluene-d8 (Surr)	106		107			58 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.