ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP) FOR
HAZARDOUS MATERIALS RELEASES
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

December 30, 2016

Ms. Deborah Prior
Shell Oil products
20945 S. Wilmington Ave.
Carson, CA 90810
(*Sent via electronic mail to: deborah.pryor@shell.com*)

Mr. (Sam) Hung Trinh
1601 Webster Street
Alameda, CA 94501

Subject: Case Closure for Fuel Leak Case No. RO0002745 and GeoTracker Global ID T0600101228, Shell #13-5032, 1601 Webster Street, Alameda, CA 94501

Dear Ms. Prior and Mr. Trinh:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites.

We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use as a fueling station. Site Management Requirements are further described in Additional Information of the attached Case Closure Summary.

If you have any questions, please call Keith Nowell at (510) 567-6764. Thank you.

Sincerely,

Dilan Roe, P.E.
Chief Land and Water Division

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.: City of Alameda Community Development, 2263 Santa Clara Avenue, Room 120, Alameda, CA 94501

Andrew Thomas, City of Alameda Planning and Building Department, 2263 Santa Clara Avenue, Room 190 Alameda, CA 94501-4477

Aubrey Cool, AECOM, 1333 Broadway, Suite 800, Oakland, CA 94612, (*sent via electronic mail to electronic mail: aubrey.cool@aecom.com*)

Susan Hugo, ACDEH, (*sent via electronic mail susan.hugo@acgov.org*)
Paresh Khatri, ACDEH, (*sent via electronic mail paresh.khatri@acgov.org*
Keith Nowell, ACDEH, (*sent via electronic mail keith.nowell@acgov.org*)
Geotracker, Electronic File

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REMEDIAL ACTION COMPLETION CERTIFICATION

December 30, 2016

Ms. Deborah Prior
Shell Oil products
20945 S. Wilmington Ave.
Carson, CA 90810
(*Sent via electronic mail to: deborah.pryor@shell.com*)

Mr. (Sam) Hung Trinh
1601 Webster Street
Alameda, CA 94501

Subject: Case Closure for Fuel Leak Case No. RO0002745 and GeoTracker Global ID T0600101228, Shell #13-5032, 1601 Webster Street, Alameda, CA 94501

Dear Ms. Prior and Mr. Trinh:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ronald Browder
Director

Underground Storage Tank
Case Closure Summary Form

Agency Information

Date: December 30, 2016

Alameda County Department of Environmental Health (ACDEH)	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Case Worker: Keith Nowell	Title: Hazardous Materials Specialist

Case Information

Facility Name: Shell #13-5032		
Facility Address: 1601 Webster Street, Alameda, CA 94501 (1607 Webster St. based on APN)		
Regional Water Board LUSTIS Case No: N/A	Former ACDEH Case No.: RO0001042 & STID #3014	Current LOP Case No.: RO0002745
Unauthorized Release Form Filing Date: 8/12/2004	State Water Board GeoTracker Global ID: T0600101228	
Assessor Parcel Number: 74-430-005-01	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Shell Oil Products	20945 S. Wilmington Ave. Carson, CA 90810	310 / 550 - 5846
(Sam) Hung Trinh	1601 Webster Street Alameda, CA 94501	510 / 523 - 0191

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place / Removed	Date
---	10,000 gallons	Gasoline	Removed	5/16/2014
---	10,000 gallons	Gasoline	Removed	5/16/2014
---	10,000 gallons	Gasoline	Removed	5/16/2014
---	12,000 gallons	Gasoline	Active	---
---	5,000 gallons	Gasoline	Active	---
---	5,000 gallons	Diesel	Active	---

Underground Storage Tank
Case Closure Summary Form

Site Closure Evaluation Summary

The site is an active commercial service station. This site is the location of a previous fuel leak case, ACDEH case number RO0001042, closed on March 15, 1999. Case RO0001042 was opened as the result of a release discovered during the removal and replacement of a waste oil UST. Data associated with RO0001042 was not included in the evaluation of the current case closure.

This fuel release case, RO0002745, was opened as a result of penetration of a gasoline UST which occurred in August 2004 during station upgrades when a filled 10,000 gallon gasoline UST was unknowingly punctured during installation, releasing an estimated 2,048 gallons of gasoline fuel. As a result of an emergency response, an estimated 1,997 gallons of gasoline was recovered within the 3 months following the release. Investigation and groundwater monitoring indicated this case may have a MTBE contaminant plume co-mingled with the former Unocal station, ACDEH case number RO0000450, which was located at 1629 Webster Street and down gradient of the site.

This UST fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP) for petroleum related contaminants.

Refer to Attachments 1 through 5 for analysis details.

Site Management Requirements

Case closure is granted for the current commercial land use as an active fueling station.

Due to residual subsurface contamination remaining at the site, if any redevelopment occurs, or if a proposed change in land use to residential, or other conservative land use, ACDEH must be notified as required by Government Code Section 65850.2.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

Institutional Controls

Not Applicable

Engineering Controls

Not Applicable

Underground Storage Tank
Case Closure Summary Form

Case Closure Public Notification Information

Agency Type	Agency Name	Contact Information
Regional Water Board	San Francisco Bay	Laurent Meillier 1515 Clay Street, Suite 1400, Oakland, CA 94612
Municipal and County Water Districts	East Bay Municipal Utility District	Chandra Johannesson P.O. Box 24055, MS 702 Oakland, CA 94623
Water Replenishment Districts	Not Applicable	----
Groundwater Basin Managers	Not Applicable	----
Planning Agency	City of Alameda	City of Alameda Planning and Building Department 2263 Santa Clara Avenue, Room 190 Alameda, CA 94501-4477
Community Development Department	City of Alameda	City of Alameda Community Development Department 2263 Santa Clara Avenue, Room 120 Alameda, CA 94501-4477
Owners and Occupants of Property and Adjacent Parcels	See List in Attachment 7	----

Local Agency Signatures

Case Worker: Keith Nowell	Title: Hazardous Materials Specialist
Signature: Keith Nowell	Date: 12/30/2016
Dilan Roe	Title: Chief Land and Water Division
Signature: Dilan Roe	Date: 12/30/2016

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACDEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACDEH website.

Geotracker Conceptual Site Model (Attachment 1, 2 pages)

Geotracker LTCP Checklist (Attachment 2, 2 pages)

Groundwater Evaluation and Data (Attachment 3, 22 pages)

Vapor Intrusion Evaluation and Data (Attachment 4, 2 pages)

Soil Evaluation and Data (Attachment 5, 11 pages)

Responsible Party Information (Attachment 6, 9 pages)

Case Closure Public Notification Information (Attachment 7, 10 pgs)

ATTACHMENT 1

GEOTRACKER | Regulator Tools | Reports | Other Tools | GAMA | Contact | Logout | Quick Search

SHELL #13-5032 (T0600137103) - MAP THIS SITE — PUBLIC PAGE

1601 WEBSTER STREET - VIEW ALTERNATE ADDRESSES
ALAMEDA , CA 94501
ALAMEDA COUNTY
LUST CLEANUP SITE
STATUS: COMPLETED - CASE CLOSED

PERTINENT INFORMATION:
CUF Claim #: 16169 CUF Priority Assigned: D CUF Amount Paid: $0

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0002745* - *KEITH NOWELL*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: NA* - *Regional Water Board*

Activities Report | Documents / Data | Environmental Conditions | Admin | Funding | Case Reviews

THERE ARE 2 OTHER CASES ASSOCIATED WITH THIS CASE - SHOW

THIS PROJECT WAS LAST MODIFIED BY *KEITH NOWELL* ON 12/30/2016 2:28:53 PM - HISTORY

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION: REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE
16169	D	UNION OIL COMPANY OF CALIFORNIA 6001 BOLLINGER CANYON ROAD, ROOM C-2106, SAN RAMON CA 94583	1601 WEBSTER ST ALAMEDA, CA 94501								

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
SHELL #13-5032 (Global ID: T0600137103) 1601 WEBSTER STREET ALAMEDA, CA 94501	Completed - Case Closed	12/30/2016	9/2/2004	12	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0002745* *CASEWORKER: KEITH NOWELL* - *SUPERVISOR: DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: NA* *CASEWORKER: Regional Water Board* - *SUPERVISOR: NONE SPECIFIED*

STAFF NOTES (INTERNAL)
Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at https://ehgis.acgov.org/dehpublic/dehpublic.jsp.

SITE HISTORY
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Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
DEBORAH PRYOR	SHELL OIL PRODUCTS US	20945 S. WILMINGTON AVE.	CARSON	deborah.pryor@shell.com
HUNG TRINH	NA	1601 WEBSTER STREET	ALAMEDA	mei_crystal@yahoo.com

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
OTHER (USE DESCRIPTION FIELD)	5/15/2014	6/20/2014	Water		Tank pit dewatering associated with removal of USTs and station redevelopment - approximately 28,850 gallons transported and disposed off site.
PUMP & TREAT (P&T) GROUNDWATER	8/19/2004	2/7/2006	Liquid Waste, Water	1,982 Gallons / 137 Pounds	Groundwater extraction- 196,130 gallons of GW
EXCAVATION	8/10/2004	8/18/2004	Soil		65.93 tons soil associated with station upgrades removed for off site disposal.

RISK INFORMATION — VIEW LTCP CHECKLIST — VIEW PATH TO CLOSURE PLAN — VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Gasoline	Commercial	GW - Municipal and Domestic Supply	Other	9/2/2004	Repair Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	East Bay MUD	12/1/2016	12/1/2016	10/1/2014	12/4/2015	8/14/2015

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN: 074 043000501
GW BASIN NAME: Santa Clara Valley - East Bay Plain (2-9.04)
WATERSHED NAME: South Bay - East Bay Cities (204.20)
COUNTY: Alameda
PUBLIC WATER SYSTEM(S):
- **EAST BAY MUD** - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE — VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
QCTB	8/30/2006	OTHER	18.2 UG/L	747 UG/L	1900 UG/L	13400 UG/L	82.9 UG/L	ND
S-2	3/5/2013	OTHER	ND	ND	ND	ND	0.63 UG/L	ND
S-3	3/5/2013	OTHER	ND	ND	ND	ND	ND	ND
S-4	3/5/2013	OTHER	ND	ND	ND	ND	ND	ND
S-4B	3/5/2013	OTHER	ND	ND	ND	ND	0.97 UG/L	ND
S-5	3/5/2013	OTHER	ND	ND	ND	ND	1.4 UG/L	ND
S-6	3/5/2013	OTHER	ND	ND	ND	ND	ND	ND
S-7	3/5/2013	OTHER	120 UG/L	6.2 UG/L	6.1 UG/L	10 UG/L	ND	ND
S-8	3/5/2013	OTHER	700 UG/L	ND	18 UG/L	ND	ND	ND
S-9	3/5/2013	OTHER	72 UG/L	2.8 UG/L	4.9 UG/L	6.4 UG/L	ND	ND
SB-1	11/30/2004		ND	ND	ND	ND	300 UG/L	ND
SB-10	11/2/2005		ND	ND	ND	ND	76 UG/L	ND
SB-11	11/3/2005		ND	ND	ND	ND	23 UG/L	ND
SB-12	11/2/2005		ND	ND	ND	ND	ND	ND
SB-13	11/2/2005		ND	ND	ND	ND	1 UG/L	ND
SB-14	11/3/2005		ND	ND	ND	ND	2.5 UG/L	ND
SB-2	12/1/2004		ND	ND	ND	ND	2000 UG/L	420 UG/L
SB-3	12/1/2004		ND	ND	ND	ND	9000 UG/L	ND

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
SB-4	12/2/2004		ND	ND	ND	ND	2900 UG/L	1100 UG/L
SB-5	11/30/2004		ND	ND	ND	ND	1900 UG/L	190 UG/L
SB-6	11/30/2004		ND	ND	ND	ND	14 UG/L	5.5 UG/L
SB-7	11/30/2004		ND	ND	ND	ND	13 UG/L	ND
SB-8	12/2/2004		5.3 UG/L	13 UG/L	12 UG/L	47 UG/L	ND	ND
SB-9	11/3/2005		ND	ND	ND	ND	87 UG/L	ND
TBW-N	3/5/2013	OTHER	ND	9 UG/L	130 UG/L	260 UG/L	ND	ND
W-1-9.5	5/16/2014	OTHER	35 UG/L	650 UG/L	100 UG/L	1100 UG/L	ND	ND
WO-1	5/25/2006	ND	ND	ND	ND	ND	ND	ND

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
D-1	8/10/2004		ND	ND	ND	ND	ND	
D-1-3	5/16/2014		ND	ND	ND	ND	ND	ND
D-2	8/10/2004		ND	ND	ND	ND	ND	
D-2-3.5	5/16/2014		ND	ND	ND	ND	ND	ND
D-3-4	5/16/2014		ND	ND	ND	ND	ND	ND
P-1	8/10/2004		ND	ND	ND	ND	ND	
P-1-3	5/16/2014		ND	ND	ND	ND	ND	ND
P-2	8/10/2004		ND	ND	ND	ND	ND	
P-2-3	5/16/2014		ND	ND	ND	ND	ND	ND
P-3	8/10/2004		ND	ND	ND	49 MG/KG	ND	
P-3-3.5	5/16/2014		ND	ND	ND	ND	ND	ND
P-4	8/10/2004		ND	ND	ND	ND	ND	
P-4-3	5/16/2014		ND	ND	ND	ND	ND	ND
P-5	8/10/2004		ND	ND	ND	0.045 MG/KG	ND	
PG-1	5/25/2006	ND	<50 UG/L	<100 UG/L	<100 UG/L		<100 UG/L	
S-2	10/31/2005		ND	ND	ND	ND	ND	ND
S-3	10/31/2005		ND	ND	ND	ND	ND	ND
S-4	10/31/2005		ND	ND	ND	ND	ND	ND
S-4B-11.0'	7/17/2006		ND	ND	ND	ND	ND	0.56 MG/KG
S-4B-16.0'	7/17/2006		ND	ND	ND	ND	ND	0.3 MG/KG
S-4B-19.5'	7/17/2006		ND	ND	ND	ND	0.31 MG/KG	0.13 MG/KG
S-4B-6.0'	7/17/2006		ND	ND	ND	ND	ND	ND
S-5	10/31/2005		ND	ND	ND	ND	ND	ND
S-6	10/31/2005		ND	ND	ND	ND	ND	ND
S-7	10/31/2005		ND	ND	ND	ND	ND	ND
S-8-11.5'	7/17/2006		ND	ND	0.89 MG/KG	2.5 MG/KG	ND	ND
S-8-8.0'	7/17/2006		1 MG/KG	ND	90 MG/KG	310 MG/KG	ND	ND
S-9-11.5'	7/17/2006		ND	ND	ND	0.01 MG/KG	ND	ND
S-9-5.0'	7/17/2006		ND	ND	2 MG/KG	3.5 MG/KG	ND	ND
SB-1	11/30/2004		ND	ND	ND	ND	ND	ND
SB-10	10/31/2005		ND	ND	ND	ND	ND	ND
SB-11	10/31/2005		ND	ND	ND	ND	ND	ND
SB-12	11/2/2005		ND	ND	ND	ND	ND	ND
SB-13	11/2/2005		ND	ND	ND	0.008 MG/KG	ND	ND
SB-14	11/3/2005		ND	ND	ND	ND	ND	ND
SB-2	12/1/2004		ND	ND	ND	ND	0.011 MG/KG	ND
SB-3	12/1/2004		ND	ND	ND	ND	ND	ND
SB-4	12/2/2004		ND	ND	ND	ND	1.5 MG/KG	ND
SB-5	11/30/2004		ND	ND	ND	ND	ND	ND
SB-6	11/30/2004		ND	ND	ND	ND	0.0099 MG/KG	ND
SB-7	11/30/2004		ND	ND	ND	ND	ND	ND
SB-8	12/2/2004		ND	5.9 MG/KG	17 MG/KG	83 MG/KG	ND	ND
SB-9	10/31/2005		ND	ND	ND	ND	ND	ND
SP-1	5/16/2014		ND	ND	ND	ND	ND	ND
TP-NE-2.5	5/16/2014		ND	ND	ND	ND	ND	ND
TP-NE-8	5/16/2014		ND	ND	ND	ND	ND	ND
TP-NW-2.5	5/16/2014		ND	ND	ND	ND	ND	ND
TP-SE-2.5	5/16/2014		ND	ND	ND	ND	ND	ND
TP-SE-7	5/16/2014		ND	ND	ND	ND	ND	ND
TP-SE-8	5/16/2014		ND	ND	ND	ND	ND	ND
TP-SW-2.5	5/16/2014		ND	ND	ND	ND	ND	ND
TP-SW-8	5/16/2014		ND	ND	ND	ND	ND	ND
WO-1	5/25/2006	ND	ND	ND	ND	ND	ND	ND

MOST RECENT GEO_WELL DATA - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
S-2	2/5/2014	10.04	N	
S-3	2/5/2014	9.48	N	
S-4	2/5/2014	8.48	N	
S-4B	2/5/2014	6.8	N	
S-5	2/5/2014	7.1	N	
S-6	2/5/2014	7.05	N	
S-7	2/5/2014	7.08	N	
S-8	2/5/2014	7.9	N	
S-9	2/5/2014	7.87	N	
TBW-N	2/5/2014	8.23	N	

ATTACHMENT 2

GEOTRACKER | Regulator Tools | Reports | Other Tools | GAMA | Contact | Logout | Quick Search

SHELL #13-5032 (T0600137103) - MAP THIS SITE

PUBLIC PAGE

1601 WEBSTER STREET - VIEW ALTERNATE ADDRESSES
ALAMEDA , CA 94501
ALAMEDA COUNTY
LUST CLEANUP SITE
STATUS: COMPLETED - CASE CLOSED

PERTINENT INFORMATION:
CUF Claim #: 16169 CUF Priority Assigned: D CUF Amount Paid: $0

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0002745* - *KEITH NOWELL*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: NA* - *Regional Water Board*

Activities Report | Documents / Data | Environmental Conditions | Admin | Funding | Case Reviews

THERE ARE 2 OTHER CASES ASSOCIATED WITH THIS CASE - SHOW

THIS PROJECT WAS LAST MODIFIED BY *KEITH NOWELL* ON 12/30/2016 2:28:53 PM - HISTORY

CLOSURE POLICY *THIS VERSION IS FINAL AS OF 12/9/2016* *CHECKLIST INITIATED ON 8/20/2013* CLOSURE POLICY HISTORY

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — YES

a. Is the unauthorized release located within the service area of a public water system? — ◉ YES ○ NO
Name of Water System: East Bay MUD

b. The unauthorized release consists only of petroleum (info). — ◉ YES ○ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info). — ○ FP Not Encountered ◉ YES ○ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info) — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050 — ○ YES ◉ NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — NO

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Plume Length (That Exceeds Water Quality Objectives) :
○ ≥ 100 Feet and < 250 Feet ◉ ≥ 250 Feet and < 1,000 Feet ○ ≥ 1,000 Feet ○ Unknown

Plume is Stable or Decreasing in AREAL Extent :
○ No ○ Unknown

Free Product in Groundwater :
○ Yes ◉ No ○ Unknown

Free Product Has Been Removed to the Maximum Extent Practicable :
○ No ○ Unknown

For sites with free product, the Plume Has Been Stable or Decreasing for 5-Years (info) :
○ No ○ Unknown

For sites with free product, owner Willing to Accept a Land Use Restriction (if required) :
○ No ○ Unknown

Free Product Extends Offsite :
○ Yes ○ Unknown

Benzene Concentration :
○ ≥ 1,000 µg/l and < 3,000 µg/l ○ ≥ 3,000 µg/l ○ Unknown

MTBE Concentration :
○ ≥ 1,000 µg/l ○ Unknown

Nearest Supply Well (From Plume Boundary) :
○ ≤ 250 Feet ◉ > 250 Feet and ≤ 1,000 Feet ○ Unknown

Nearest Surface Water Body (From Plume Boundary) :
○ ≤ 250 Feet ○ > 250 Feet and ≤ 1,000 Feet ○ Unknown

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Active Commercial Petroleum Fueling Facility — ◉ YES ○ NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — NO

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Exposure Type :
○ Residential ◉ Commercial ○ Utility Worker

Petroleum Constituents in Soil :
◉ ≤ 5 Feet bgs ○ >5 Feet bgs and ≤10 Feet bgs ○ Unknown

Soil Concentrations of Benzene :
○ > 1.9 mg/kg and ≤ 2.8 mg/kg ○ > 2.8 mg/kg and ≤ 8.2 mg/kg ○ > 8.2 mg/kg and ≤ 12 mg/kg ○ > 12 mg/kg and ≤ 14 mg/kg ○ > 14 mg/kg ○ Unknown

Soil Concentrations of EthylBenzene :
○ > 21 mg/kg and ≤ 32 mg/kg ○ > 32 mg/kg and ≤ 89 mg/kg ◉ > 89 mg/kg and ≤ 134 mg/kg ○ > 134 mg/kg and ≤ 314 mg/kg ○ > 314 mg/kg ○ Unknown

Soil Concentrations of Naphthalene :
○ > 9.7 mg/kg and ≤ 45 mg/kg ○ > 45 mg/kg and ≤ 219 mg/kg ○ > 219 mg/kg ◉ Unknown

Soil Concentrations of PAH :
○ > 0.063 mg/kg and ≤ 0.68 mg/kg ○ > 0.68 mg/kg and ≤ 4.5 mg/kg ○ > 4.5 mg/kg ◉ Unknown

Area of Impacted Soil :
○ Area of Impacted Soil > 82 by 82 Feet ○ Unknown

Additional Information

Should this case be closed in spite of NOT meeting policy criteria?

Explain:

The Department of Water Resources (DWR) well survey indicates three potential supply wells (two irrigation and one industrial) are identified within a 2,000-foot radius of the site. The nearest of the two irrigation wells is located 530 feet cross- to down gradient of the site and is approximately 500 feet from the estimated lateral edge of the contaminant plume. The second well is located 580 feet cross gradient of the site and is 580 feet from the edge of the plume. The status of the irrigation wells could not be verified. The industrial supply well is located approximately 1,700 feet from the site in the up gradient direction. Based on the cross gradient component, extent, and decreasing size of the plume, the irrigation wells are not expected to be receptors for the site. Based on its distance and up gradient direction, the industrial well is not expected to be a receptor for the site.

The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, California Department of Public Health wells, Department of Pesticide Regulation wells located within a 3,000 foot radius of the site.

This case does not meet the Media Specific Criteria: Direct Contact and Outdoor Air Exposure as naphthalene and PAHs were not analytes at the site. However, the release was solely gasoline fuel and, based on the residual fuel concentrations and the ratio of naphthalene in fuel formulations, naphthalene concentrations are expected to be below the concentrations in Table 1. PAHs were not analytes as the release consisted of gasoline fuel.

◉ YES ○ NO

Has this LTCP Checklist been updated for FY 16/17? ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

ATTACHMENT 3

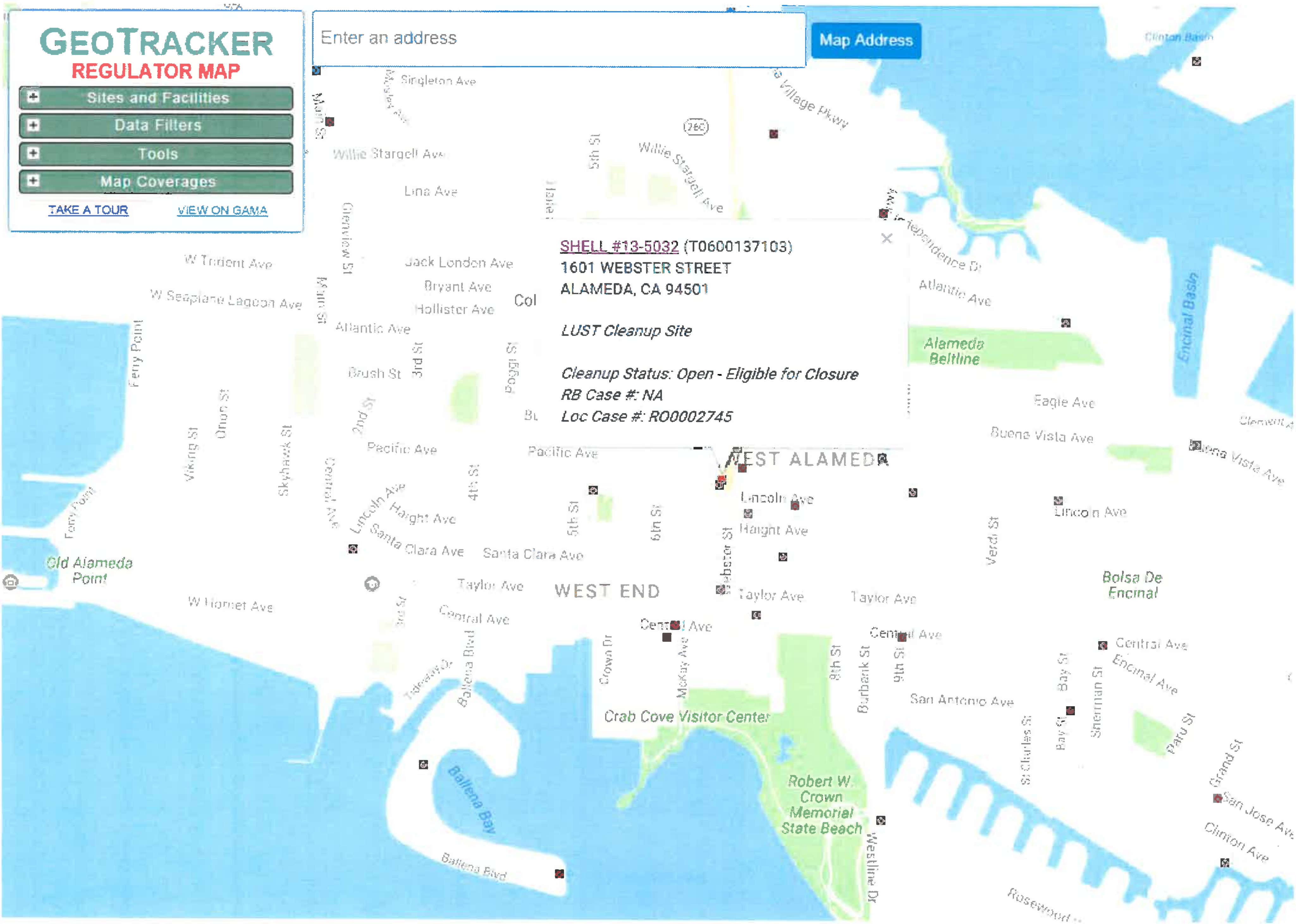
Attachment 3 – Groundwater Evaluation and Data

LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM						
Closure Scenario						
__ Site has not affected groundwater; __ Scenario 1; __ Scenario 2; __ Scenario 3; __ Scenario 4; _X_ **Scenario 5**; __ This case should be closed in spite of not meeting the groundwater specific media criteria						
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria						
Site Specific Data		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Scenario 4**	**Scenario 5**
Plume Length	700 feet	<100 feet	<250 feet	<1,000 feet	<1,000 feet	Scenario 5 is for sites that do not meet scenarios 1 through 4 but where a determination has been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product	
Plume Stable or Decreasing	Stable or decreasing	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 years	Stable or decreasing	
Distance to Nearest Water Supply Well (from plume boundary)	500 feet cross gradient (DWR) >2,000 (GAMA)	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Distance to Nearest Surface Water Body (from plume boundry)	Downgradient: 2,800 feet; Cross Gradient: 6,200 feet; Upgradient: 2,000 feet	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Benzene Concentrations (µg/l)	Historic Max: 5,900 Current Max: 700	No criteria	<3,000	<1,000	<1,000	
MTBE Concentrations (µg/l)	Historic Max: 24,000 Current Max: 1.4	No criteria	<1,000	<1,000	<1,000	
Property Owner Willing to Accept a Land Use Restriction	Not applicable	Not applicable	Not applicable	Yes	Not applicable	

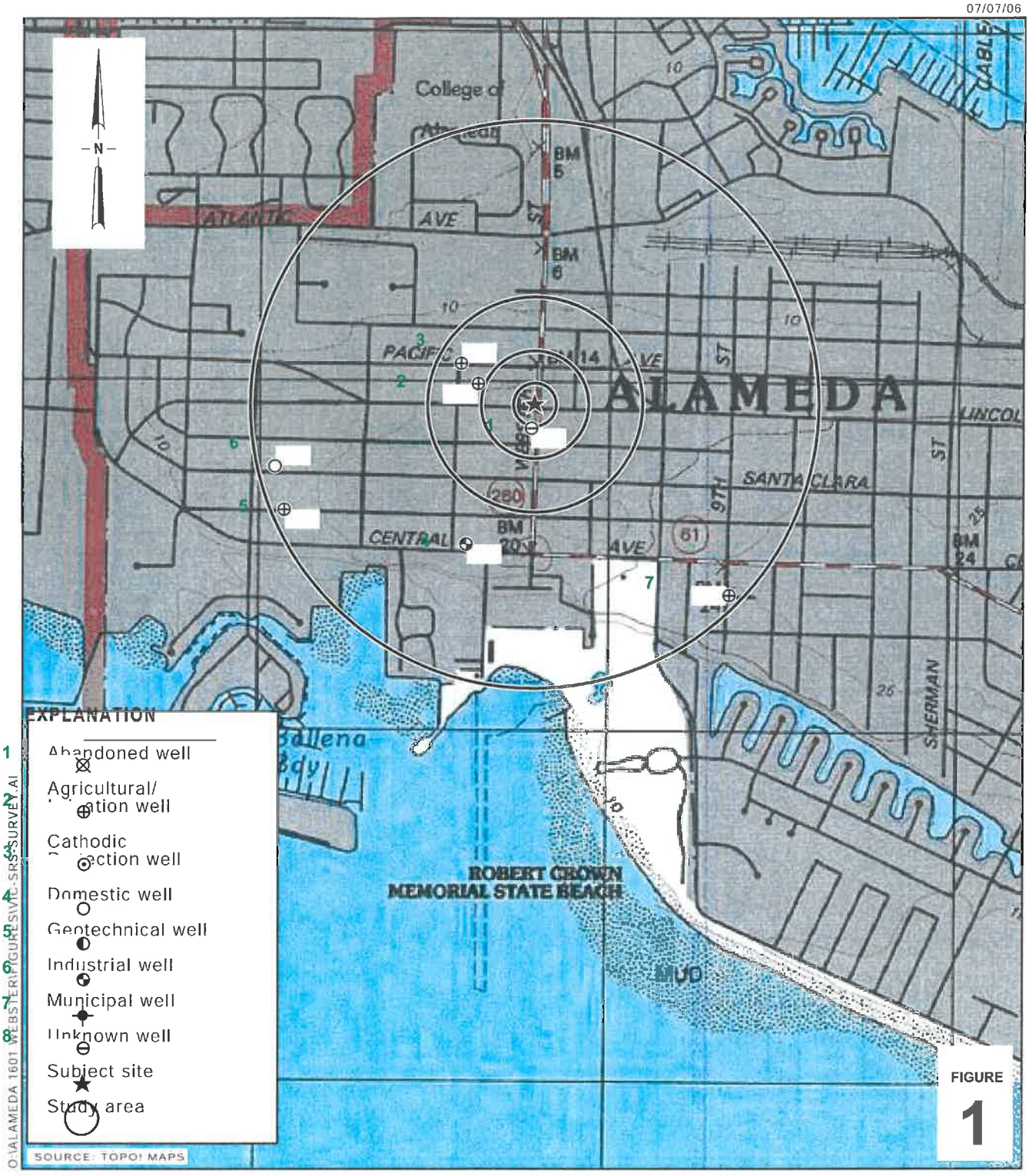
Notes: DWR = Department of Water Resources
ACPWA = Alameda County Public Works Agency
GAMA = Groundwater Ambient Monitoring Assessment (GeoTracker)

Attachment 3 – Groundwater Evaluation and Data

Analysis	
Closure Scenario	This case does not meet Scenarios 1 through 4 due to the plume length of 700 feet and the nearest potential supply well is 500 feet from the plume boundary. Based on the residual concentrations of fuel compounds reported in groundwater and the limited beneficial use of groundwater, a determination has been made that the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
Plume Length	Defined to water quality objectives. (Contaminant plume that exceeds water quality objectives is approximately 700 feet.)
Free Product	Free product has not observed at site since August 21, 2004.
Plume Stability	Plume is stable in aerial extent. (The contaminant mass has expanded to its maximum extent defined as the distance from the release where attenuation exceeds migration.)
Water Supply Wells	The Department of Water Resources (DWR) well survey indicates three potential supply wells (two irrigation and one industrial) are identified within a 2,000-foot radius of the site. The nearest of the two irrigation wells is located 530 feet cross- to down gradient of the site and is approximately 500 feet from the estimated lateral edge of the contaminant plume. The second well is located 580 feet cross gradient of the site and is 580 feet from the edge of the plume. The status of the irrigation wells could not be verified. The industrial supply well is located approximately 1,700 feet from the site in the up gradient direction. Based on the cross gradient component, extent, and decreasing size of the plume, the irrigation wells are not expected to be receptors for the site. Based on its distance and up gradient direction, the industrial well is not expected to be a receptor for the site. The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, California Department of Public Health wells, Department of Pesticide Regulation wells located within a 3,000 foot radius of the site.
Surface Water Bodies	The nearest surface water body to the site is San Francisco Bay, located 2,000 feet to the southwest in the up gradient direction. An Alameda Marina is the nearest surface water body in the down gradient direction, located approximately 2,800 feet from the plume boundary. The nearest surface water body in the cross gradient direction is the San Francisco Bay, located 6,200 feet west of the site.


GEOTRACKER
REGULATOR MAP
Sites and Facilities
Data Filters
Tools
Map Coverages
TAKE A TOUR
VIEW ON GAMA
Enter an address
Map Address
SHELL #13-5032 (T0600137103)
1601 WEBSTER STREET
ALAMEDA, CA 94501
LUST Cleanup Site
Cleanup Status: Open - Eligible for Closure
RB Case #: NA
Loc Case #: RO0002745
WEST ALAMEDA
WEST END
Alameda Beltline
Encinal Basin
Bolsa De Encinal
Crab Cove Visitor Center
Robert W. Crown Memorial State Beach
Ballena Bay
Old Alameda Point
Webster St
Lincoln Ave
Haight Ave
Taylor Ave
Central Ave
Santa Clara Ave
Pacific Ave
Atlantic Ave
Buena Vista Ave
Eagle Ave
Willie Stargell Ave
Main St
Westline Dr
San Antonio Ave
Encinal Ave

07/07/06



O:\ALAMEDA 1601 WEBSTER\FIGURES\VM - SRS SURVEY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station
1601 Webster Street
Alameda, California
Incident No.97437680

CAMBRIA

Vicinity Map

(200, 500, and 1,000 Ft., and1/2 Mile Radii)

Table 1

One-Mile Agency Receptor Survey
ConocoPhillips Station No.0843
1629 Webster Street, Alameda, California

	DWR[1] Well No.	Address	City	State	Zip	Owner	Well Type	Distance from Site (miles)	Direction Relative to Site
1-	2S/4W-2R1	Marina Village, off Sherman St.	Alameda	CA		Vintage Properties	Irrigation	0.7	NE
2-	2S/4W-10H2	424 Santa Clara Ave.	Alameda	CA	94501	Richard F. Fawcett	Domestic	0.5	SW
3-	2S/4W-10B1	132 Haight Ave.	Alameda	CA	94501	Idella E. McManus	Irrigation	0.7	W
4-	2S/4W-10G1	314 Santa Clara Ave.	Alameda	CA	94501	James GoLightly	Irrigation	0.6	SW
5-	2S/4W-10H3	462 Santa Clara Ave.	Alameda	CA		PG&E	Cathodic protection	0.4	SW
6-	2S/4W-10H1	447 Taylor Avenue	Alameda	CA	94501	A.E. Bryant	Irrigation	0.5	SW
7-	2S/4W-11M1	645 Central	Alameda	CA		Paul Merrett	Industrial	0.3	SW
8-	2S/4W-11A1	Pacific Ave. east of Chapin	Alameda	CA		PG&E	Cathodic protection	0.5	E
9-	2S/4W-11H1	Santa Clara east of Verdi St.	Alameda	CA		PG&E	Cathodic protection	0.6	SE
10-	2S/4W-11K2?	920 Centennial Ave.	Alameda	CA		Lawrence Picetti	Irrigation	0.5	SE
11-	2S/4W-11J2	1036 San Antonio Ave.	Alameda	CA	94501	Grover A. Chessmore	Domestic/Irrigation	0.7	SE
12-	2S/4W-11J3	1236 St. Charles	Alameda	CA	94501	Frank Weeden	Irrigation	0.8	SE
13-	2S/4W-11J4	1224 Bay St.	Alameda	CA	94501	Richard Bartalini	Irrigation	0.8	SE
14-	2S/4W-11D1	603 Pacific Ave.	Alameda	CA	94501	H.W. Moore	Irrigation	0.1	NW
15-	2S/4W-11E1	1614 6th St.	Alameda	CA	94501	Daniel C. Robinson	Irrigation	0.1	W
16-	2S/4W-11J1	1205 Bay St.	Alameda	CA	94501	W.E. Lyons	Irrigation	0.9	SE
17-	2S/4W-11Q1	900 Otis Drive	Alameda	CA		Chevron USA, Inc.	Dewatering	0.7	SE
18-	2S/4W-12M1	1401 F. Cottage St.	Alameda	CA	94501	Central West Homeowners	Irrigation	1.0	SE
19-	2S/4W-12D2	1521 Buena Vista	Alameda	CA	94501	Alameda Liquid Bulk Terminal	Industrial	0.9	NE
[2]20-	2S/4W-3E1	Alameda Naval Air Station west side of Main Street	Alameda	CA		U.S. Navy			
[2]21-	2S/4W-5A1	Naval Air Station (old PAA)	Alameda	CA					
[2]22-	2S/4W-3E3	B Avenue, Building 17	Alameda	CA	94501	U.S. Naval Air Station	Cathodic protection		
[2]23-	2S/4W-1D1	Embarcadero rail crossing (25' from rr, 300 yds from Emb.)	Oakland	CA		Union Pacific Railroad	Cathodic protection		

DWR: Department of Water Resources

[1] Well Locations shown on Figure 1.

[2] Specific address cannot be located on map.

Former case RO1042
LT Closed 3/15/1999

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	Total O&G (µg/L)	TPHd (µg/L)	TPHg (µg/L)	TPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	1,1,1-Trichloroethane (µg/L)	Methylene Chloride (µg/L)	HVOCs (µg/L)	Chlorinated Hydrocarbons (µg/L)	PNAs (µg/L)	PCP (µg/L)	Creosote (µg/L)	PCBs (µg/L)
#2	6/26/1987	9.75	244,000	---	1,600	132,000	3.7	45	---	200	---	---	---	---	---	---	---	---	10,550	58,730	---	---	---	---	---	---
BH-C	10/12/1992	9.5	---	---	74	---	0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-D	10/12/1992	9.5	---	---	24,000	---	4,200	<0.5	4,400	2,800	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-E	10/22/1992	10	<7,000	---	26,000	---	6,900	13,000	2,200	12,000	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-F	10/22/1992	10.5	<14,000	---	3,100	---	170	110	310	550	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-G	10/22/1992	10.5	<6,000	---	150	---	3.9	9.8	3.8	13	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-H	10/22/1992	10.5	<6,000	---	26,000	---	1,600	280	1,900	2,800	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
BH-I	10/22/1992	10.5	<8,000	---	53	---	1.4	1.3	3.1	3.4	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---
SB-1-W	11/30/2004	6.51 c	---	---	<2,500	---	<25	<25	<25	<50	6,000	<250	<100	<100	<100	<25	<25	<2,500	---	---	---	---	---	---	---	---
SB-1W-10'	11/30/2004	10	---	---	<250	---	<2.5	<2.5	<2.5	<5.0	300	<25	<10	<10	<10	<2.5	<2.5	<250	---	---	---	---	---	---	---	---
SB-1W-15'	11/30/2004	15	---	---	<13,000	---	<130	<130	<130	<250	24,000	1,700	<500	<500	<500	<130	<130	<13,000	---	---	---	---	---	---	---	---
SB-2-W	12/1/2004	6.95 c	---	---	<1,000	---	<10	<10	<10	<20	3,000	500	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---
SB-2W-15'	12/1/2004	15	---	---	<1,300	---	<13	<13	<13	<25	2,000	420	<50	<50	<50	<13	<13	<13,000	---	---	---	---	---	---	---	---
SB-3-W	12/1/2004	7.01 c	---	---	<5,000	---	<50	<50	<50	<100	9,000	<500	<200	<200	<200	<50	<50	<5,000	---	---	---	---	---	---	---	---
SB-4-W	12/2/2004	7.85 c	---	---	<500	---	<5.0	<5.0	<5.0	<10	4,400	1,100	<20	<20	<20	<5.0	<5.0	<500	---	---	---	---	---	---	---	---
SB-4W-15'	12/2/2004	15	---	---	520	---	1.7	5.3	14	62	2,900	2,000	<2.0	<2.0	4.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---
SB-5-W	11/30/2004	7.21 c	---	---	<1,000	---	<10	<10	<10	<20	1,900	190	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---
SB-5W-15'	11/30/2004	15	---	---	<1,000	---	<10	<10	<10	<20	2,000	340	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---
SB-6-W	11/30/2004	7.01 c	---	---	2,000	---	0.61	0.88	59	57	14	5.5	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---
SB-6W-15'	11/30/2004	15	---	---	<250	---	<2.5	<2.5	<2.5	<5.0	540	92	<10	<10	<10	<2.5	<2.5	<250	---	---	---	---	---	---	---	---
SB-7-W	11/30/2004	8.0 c	---	---	<500	---	<5.0	<5.0	<5.0	<10	990	180	<20	<20	<20	<5.0	<5.0	<500	---	---	---	---	---	---	---	---
SB-7W-15'	11/30/2004	15	---	---	920	---	0.54	1.1	28	19	13	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---
SB-8-W	12/2/2004	7.09 c	---	---	17,000	---	250	660	840	3,700	<10	<100	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---
SB-8W-15'	12/2/2004	15	---	---	270	---	5.3	13	12	47	11	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---
SB-9-6.5W	11/3/2005	6-10	---	---	<1,300	---	<13	<13	<13	<25	3,500	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-9-15W	11/3/2005	14-18	---	---	<2,500	---	<25	<25	<25	<50	9,200	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-9-27W	11/3/2005	24-28	---	---	<2,500	---	<25	<25	<25	<50	7,800	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-9-36W	11/3/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	87	21	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-10-7W	11/2/2005	6-10	---	---	53	---	<0.50	<0.50	<0.50	<1.0	3,000	1,300	<2.0	<2.0	3.7	---	---	---	---	---	---	---	---	---	---	---

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	Total O&G (µg/L)	TPHd (µg/L)	TPHg (µg/L)	TPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	1,1,1-Trichloroethane (µg/L)	Methylene Chloride (µg/L)	HVOCs (µg/L)	Chlorinated Hydrocarbons (µg/L)	PNAs (µg/L)	PCP (µg/L)	Creosote (µg/L)	PCBs (µg/L)
SB-10-15W	11/2/2005	14-18	---	---	500	---	<5.0	<5.0	<5.0	<10	690	2,200	<20	<20	<20	---	---	---	---	---	---	---	---	---	---	---
SB-10-25W	11/2/2005	24-28	---	---	<1,300	---	<13	<13	<13	<25	2,700	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-10-36W	11/2/2005	35-39	---	---	70	---	<0.50	<0.50	<0.50	<1.0	76	68	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-11-7W	11/3/2005	7-11	---	---	<1,300	---	<13	<13	<13	<25	4,800	290	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-11-15W	11/3/2005	14-18	---	---	<2,000	---	<20	<20	<20	<40	2,200	740	<80	<80	<80	---	---	---	---	---	---	---	---	---	---	---
SB-11-27W	11/3/2005	24-28	---	---	<1,000	---	<10	<10	<10	<20	2,300	<100	<40	<40	<40	---	---	---	---	---	---	---	---	---	---	---
SB-11-36W	11/3/2005	35-39	---	---	67	---	<0.50	<0.50	<0.50	<1.0	23	22	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-6.5W	11/2/2005	6-10	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	0.55	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-15W	11/2/2005	14-18	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-25W	11/2/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-36W	11/2/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-6.25W	11/2/2005	6-10	---	---	<2,500	---	<25	<25	<25	<50	4,100	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-13-15W	11/2/2005	14-18	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	4.6	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-25W	11/2/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	1.1	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-36W	11/2/2005	35-39	---	---	64	---	<0.50	<0.50	<0.50	<1.0	1.0	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-14-5.75W	11/3/2005	6-10	---	---	<1,300	---	<13	<13	<13	<25	2,700	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-14-15W	11/3/2005	14-18	---	---	<2,500	---	<25	<25	<25	<50	5,900	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-14-27W	11/3/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	2.5	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-14-36W	11/3/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	3.7	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
WO-1-5 *	5/25/2006	5	2,600 d	350 e	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	ND	ND	<10	<10	<1.0
W-1-9.5'	5/16/2014	9.5	---	---	8,400	---	35	650	100	1,100	<5.0	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Tank Pit)																										
Groundwater (≤10 fbg) ESL[1]:			NA	100	100	NA	1.0	40	30	20	5.0	12	NA	NA	NA	0.50	0.050	NA	62	5.0	Various	Various	Various	1.0	NA	0.014

Notes:
Total O&G = Total oil and grease analyzed by EPA Method 3550 unless otherwise noted
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015 (Modified)
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before 11/30/2004, analyzed by EPA Method 8015B unless otherwise indicated
TPH = Total petroleum hydrocarbons. Analytical method unknown
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 11/30/2004, analyzed by EPA Method 8020 unless otherwise indicated
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 6010B
1,1,1-Trichloroethane and methylene chloride analyzed by EPA Method 601
HVOCs = Halogenated volatile organic compounds analyzed by EPA Method 8010. See analytical report for specific constituents. All detections noted.

* : unable to verify

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*Total O&G (µg/L)*	*TPHd (µg/L)*	*TPHg (µg/L)*	*TPH (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*1,2-DCA (µg/L)*	*EDB (µg/L)*	*Ethanol (µg/L)*	*1,1,1-Trichloroethane (µg/L)*	*Methylene Chloride (µg/L)*	*HVOCs (µg/L)*	*Chlorinated Hydrocarbons (µg/L)*	*PNAs (µg/L)*	*PCP (µg/L)*	*Creosote (µg/L)*	*PCBs (µg/L)*

Chlorinated hydrocarbons by EPA Method 8260B; see laboratory analytical report for a complete list of specific constituents
PNAs = Polynuclear aromatics by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents
PCP = Pentachlorophenol by EPA Method 8270C
Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.
PCBs = Polychlorinated biphenyls analyzed by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents
fbg = Feet below grade
µg/L = Micrograms per liter
<x = Not detected at reporting limit x
--- = Not analyzed
ND = Not detected
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

a = Analyzed by EPA Method 602
b = Analyzed by APHA Standard Method 5030D&E
c = Sample collected at first-encountered groundwater/pieziometric surface
d = Analyzed by EPA Method 1664 A (Modified)
e = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.
f = San Francisco Bay Regional Water Quality Control Board ESL for groundwater where groundwater is a source of drinking water (Tables A and C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008] - Updated December 2013).

Table 1. Well/Boring Data, Shell-branded Service Station, 1601 Webster Street, Alameda, California

Name	Type	Date Installed	TOC Elev (ft msl)	Total Depth (ft)	Soil Sample (ft) Incr. or	Soil Sample (ft) Depth(s)	First Encountered GW Depth (ft)	First Encountered GW Elev (ft msl)	Screen Diam. (In)	Screen Depth (ft) Top	Screen Depth (ft) Bottom	Comments
SB-1	Hydraulic Push	30-Nov-04	-	15	-	5, 6.5	6.5	-	-	-	-	
SB-2	Hydraulic Push	01-Dec-04	-	15	-	5, 6.5	7.0	-	-	-	-	
SB-3	Hydraulic Push	01-Dec-04	-	15	-	5, 6.5	7.0	-	-	-	-	
SB-4	Hydraulic Push	02-Dec-04	-	15	-	5, 6.5	7.9	-	-	-	-	
SB-5	Hydraulic Push	30-Nov-04	-	15	-	5, 6.5	7.2	-	-	-	-	
SB-6	Hydraulic Push	30-Nov-04	-	15	-	5, 6.5	7.0	-	-	-	-	
SB-7	Hydraulic Push	30-Nov-04	-	15	-	5, 6.5	8.0	-	-	-	-	
SB-8	Hydraulic Push	02-Dec-04	-	15	-	5, 6.5	7.1	-	-	-	-	
S-2	HSA/Well	01-Nov-05	19.73	12	-	5	6.0	13.73	4	4	12	
S-3	HSA/Well	01-Nov-05	19.14	12	-	5	6.2	12.94	4	4	12	
S-4	HSA/Well	01-Nov-05	18.16	12	-	5	6.0	12.16	4	4	12	
S-5	HSA/Well	01-Nov-05	18.68	12	-	5	5.8	12.88	4	4	12	
S-6	HSA/Well	28-Nov-05	19.32	12	-	5	6.8	12.52	4	4	12	Well installed 11-1-2005 was damaged & reconstructed on 11/28/05
S-7	HSA/Well	01-Nov-05	19.44	12	-	5	7.0	12.44	4	4	12	
SB-9	CPT Boring	03-Nov-05	-	40	-	5	6.5	-	-	-	-	
SB-10	CPT Boring	02-Nov-05	-	40	-	5	7.0	-	-	-	-	
SB-11	CPT Boring	03-Nov-05	-	40	-	5	7.0	-	-	-	-	
SB-12	CPT Boring	02-Nov-05	-	40	-	5	6.5	-	-	-	-	
SB-13	CPT Boring	02-Nov-05	-	40	-	5	6.25	-	-	-	-	
SB-14	CPT Boring	03-Nov-05	-	40	-	5	5.75	-	-	-	-	

Abbreviations:

TOC = Top of Casing referenced to mean sea level (msl)

GW = Groundwater

ft = feet

In = inches

C = Continuous

HSA = Hollow-stem auger

CPT = Cone penetration test

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-2	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.73	7.60	---	12.13
S-2	11/22/2005	996	0.630	0.500	0.500	3.10	406	18.0	<0.500	<0.500	0.570	---	---	---	19.73	7.70	---	12.03
S-2	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	<0.50	<0.50	<0.50	---	---	---	19.73	6.29	---	13.44
S-2	05/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	6.14	---	13.59
S-2	08/30/2006	420	<0.500	<0.500	<0.500	<0.500	4.42	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	7.18	---	12.55
S-2	11/22/2006	110	<0.50	<0.50	<0.50	<1.0	62	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	7.55	---	12.18
S-2	02/23/2007	140	<0.50	<0.50	<0.50	<1.0	110	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	6.77	---	12.96
S-2	05/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	18	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.02	---	12.71
S-2	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	40	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.65	---	12.08
S-2	11/09/2007	130 h,i	<0.50	<1.0	<1.0	<1.0	190	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.87	---	11.86
S-2	02/08/2008	83 h,i	<1.0	<2.0	<2.0	<2.0	180	<20	<4.0	<4.0	<4.0	---	---	---	19.73	6.52	---	13.21
S-2	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.30	---	12.43
S-2	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	7.1	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.38	---	11.35
S-2	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	32	<10	<2.0	<2.0	<2.0	---	---	---	19.73	9.13	---	10.60
S-2	02/27/2009	90	<0.50	<1.0	<1.0	<1.0	85	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.05	---	12.68
S-2	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	8.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	6.93	---	12.80
S-2	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	17	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.20	---	11.53
S-2	02/05/2010	68	<0.50	<1.0	<1.0	<1.0	52	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.12	---	12.61
S-2	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.7	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.59	---	12.14
S-2	02/14/2011	<50	2.6	3.5	1.2	5.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.16	---	12.57
S-2	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.20	---	12.53
S-2	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	3.8	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.73	8.00	---	11.73
S-2	08/13/2012	<50	<0.50	<0.50	<0.50	<1.0	1.1	<10	---	---	---	---	---	---	19.73	7.85	---	11.88
S-2	**03/05/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.63**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.73**	**7.09**	**---**	**12.64**
S-3	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.14	7.01	---	12.13
S-3	11/22/2005	3,900	<0.500	<0.500	<0.500	0.900	3,730	26.0	<0.500	<0.500	3.44	---	---	---	19.14	7.15	---	11.99
S-3	02/24/2006	580 b	<0.50	<0.50	<0.50	<0.50	360	<5.0	<0.50	<0.50	<0.50	---	---	---	19.14	5.95	---	13.19
S-3	05/30/2006	<50.0	<0.500	<0.500	<0.500	0.510	52.2	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	5.85	---	13.29
S-3	08/30/2006	2,910	<0.500	<0.500	<0.500	<0.500	882	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	6.71	---	12.43
S-3	11/22/2006	240	<0.50	<0.50	<0.50	<1.0	150	30	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/23/2007	78	<0.50	<0.50	<0.50	<1.0	78	5.4	<2.0	<2.0	<2.0	---	---	---	19.14	6.30	---	12.84
S-3	05/18/2007	120 h,i	<0.50	<1.0	<1.0	<1.0	150	73	<2.0	<2.0	<2.0	---	---	---	19.14	6.58	---	12.56
S-3	08/10/2007	<50 h	<1.0	<2.0	<2.0	<2.0	200	21	<4.0	<4.0	<4.0	---	---	---	19.14	7.09	---	12.05
S-3	11/09/2007	69 h,i	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.28	---	11.86
S-3	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	8.5	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.06	---	13.08
S-3	05/16/2008	71	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.84	---	12.30
S-3	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	9.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.83	---	11.31

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-3	11/26/2008	<50	0.53	<1.0	<1.0	1.5	12	<10	<2.0	<2.0	<2.0	---	---	---	19.14	8.70	---	10.44
S-3	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	3.2	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.97	---	12.17
S-3	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.41	---	12.73
S-3	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.1	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.60	---	11.54
S-3	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	1.8	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.63	---	12.51
S-3	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/14/2011	<50	1.7	2.6	0.95	4.6	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.71	---	12.43
S-3	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.75	---	12.39
S-3	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.14	7.53	---	11.61
S-3	08/13/2012	<50	<0.50	<0.50	<0.50	<1.0	0.51	<10	---	---	---	---	---	---	19.14	7.35	---	11.79
S-3	**03/05/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.14**	**6.67**	**---**	**12.47**
S-4	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.16	6.00	---	12.16
S-4	11/22/2005	4,570	<0.500	<0.500	<0.500	0.660	3,450	26.0	<0.500	<0.500	3.57	---	---	---	18.16	6.10	---	12.06
S-4	02/24/2006	2,200 b	<0.50	<0.50	<0.50	<0.50	1,400	13 c	<0.50	<0.50	1.4	---	---	---	18.16	5.09	---	13.07
S-4	05/30/2006	1,100	<0.500	<0.500	<0.500	<0.500	1,060	87.5	<0.500	<0.500	1.04	---	---	---	18.16	5.00	---	13.16
S-4	08/30/2006	3,170	<0.500	<0.500	<0.500	<0.500	1,000	120	<0.500	<0.500	0.850	---	---	---	18.16	5.81	---	12.35
S-4	11/22/2006	520	<0.50	<0.50	<0.50	<1.0	480	5.2	<2.0	<2.0	<2.0	---	---	---	18.16	5.93	---	12.23
S-4	02/23/2007	180	<0.50	<0.50	<0.50	<1.0	130	9.6	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	05/18/2007	220 h,i	<2.5	<5.0	<5.0	2.5 j	420	<50	<10	<10	<10	---	---	---	18.16	5.62	---	12.54
S-4	08/10/2007	98 h,i	<2.5	<5.0	<5.0	<5.0	540	29 j	<10	<10	<10	---	---	---	18.16	6.00	---	12.16
S-4	11/09/2007	190 h,i	<2.5	<5.0	<5.0	<5.0	350	<50	<10	<10	<10	---	---	---	18.16	6.20	---	11.96
S-4	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	13	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.47	---	12.69
S-4	05/16/2008	87	<0.50	<1.0	<1.0	<1.0	120	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.00	---	12.16
S-4	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	42	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.85	---	11.31
S-4	11/26/2008	140	<0.50	<1.0	<1.0	<1.0	140	<10	<2.0	<2.0	<2.0	---	---	---	18.16	7.62	---	10.54
S-4	02/27/2009	56	<0.50	<1.0	<1.0	<1.0	43	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.35	---	12.81
S-4	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	12	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.7	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.55	---	11.61
S-4	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	4.3	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.62	---	12.54
S-4	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	10	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.09	---	12.07
S-4	02/14/2011	<50	1.3	2.2	0.91	4.4	1.6	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.80	---	12.36
S-4	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.79	---	12.37
S-4	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.16	6.56	---	11.60
S-4	08/13/2012	<50	<0.50	<0.50	<0.50	<1.0	0.68	<10	<0.50	<0.50	<0.50	---	---	---	18.16	6.35	---	11.81
S-4	**03/05/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**18.16**	**5.75**	**---**	**12.41**
S-4B	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	18.78	6.14	---	12.64

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-4B	08/30/2006	3,630	<0.500	<0.500	5.32	<0.500	1,130	643	<0.500	<0.500	1.47	---	---	---	18.78	6.32	---	12.46
S-4B	11/22/2006	620	<0.50	<0.50	0.66	<1.0	580	680	<2.0	<2.0	<2.0	---	---	---	18.78	6.46	---	12.32
S-4B	02/23/2007	230	<1.0	<1.0	<1.0	<2.0	190	450	<4.0	<4.0	<4.0	---	---	---	18.78	6.64	---	12.14
S-4B	05/18/2007	200 h	<0.50	<1.0	<1.0	<1.0	130	360	<2.0	<2.0	<2.0	---	---	---	18.78	6.19	---	12.59
S-4B	08/10/2007	150 h	0.47 j	<1.0	<1.0	<1.0	67	230	<2.0	<2.0	<2.0	---	---	---	18.78	6.48	---	12.30
S-4B	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	32	67	<2.0	<2.0	<2.0	---	---	---	18.78	6.59	---	12.19
S-4B	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	5.3	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.12	---	12.66
S-4B	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	2.2	15	<2.0	<2.0	<2.0	---	---	---	18.78	6.45	---	12.33
S-4B	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	---	---	---	18.78	8.19	---	10.59
S-4B	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.03	---	12.75
S-4B	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.01	---	12.77
S-4B	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	3.7	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	7.23	---	11.55
S-4B	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.2	25	<2.0	<2.0	<2.0	---	---	---	18.78	6.64	---	12.14
S-4B	02/14/2011	<50	1.3	2.1	0.82	3.9	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.78	6.70	---	12.08
S-4B	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.1	22	<1.0	<1.0	<1.0	---	---	---	18.78	7.13	---	11.65
S-4B	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	1.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.78	6.57	---	12.21
S-4B	08/13/2012	<50	<0.50	<0.50	<0.50	<1.0	0.95	<10	---	---	---	---	---	---	18.78	7.83	---	10.95
S-4B	**03/05/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.97**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**18.78**	**6.39**	**---**	**12.39**
S-5	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.68	6.33	---	12.35
S-5	11/22/2005	1,010	0.900	<0.500	1.79	4.91	302	397	<0.500	<0.500	<0.500	---	---	---	18.68	6.44	---	12.24
S-5	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	---	---	---	18.68	5.44	---	13.24
S-5	05/30/2006	2,000	4.13	0.670	<0.500	3.28	143	<10.0	<0.500	<0.500	<0.500	---	---	---	18.68	5.33	---	13.35
S-5	08/30/2006	1,380	<0.500	<0.500	1.43	<0.500	211	106	<0.500	<0.500	<0.500	---	---	---	18.68	6.16	---	12.52
S-5	11/22/2006	82	<0.50	<0.50	<0.50	<1.0	28	13	<2.0	<2.0	<2.0	---	---	---	18.68	6.28	---	12.40
S-5	02/23/2007	<50	<0.50	<0.50	<0.50	<1.0	1.2	<5.0	<2.0	<2.0	<2.0	---	---	---	18.68	5.68	---	13.00
S-5	05/18/2007	<50 h,i	<0.50	<1.0	<1.0	<1.0	2.6	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.91	---	12.77
S-5	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.36	---	12.32
S-5	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	<10	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.47	---	12.21
S-5	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.52	---	13.16
S-5	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.22	---	12.46
S-5	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	7.26	---	11.42
S-5	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	8.03	---	10.65
S-5	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.83	---	12.85
S-5	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.73	---	12.95
S-5	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.95	---	11.73

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-5	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.01	---	12.67
S-5	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.46	---	12.22
S-5	02/14/2011	<50	3.9	3.8	1.2	5.3	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.20	---	12.48
S-5	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.15	---	12.53
S-5	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	0.75	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.68	6.87	---	11.81
S-5	08/13/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	---	---	---	---	---	---	18.68	6.70	---	11.98
S-5	**03/05/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.4**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**18.68**	**6.10**	**---**	**12.58**
S-6	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	6.36	---	12.96
S-6	11/22/2005	15,800	5.14	0.690	32.1	934	<0.500	14.2	<0.500	<0.500	<0.500	---	---	---	19.32	6.53	---	12.79
S-6	01/19/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	5.50	---	13.82
S-6	02/24/2006	7,900 b	4.4	<1.5	260	380	<1.5	<7.0	<1.5	<1.5	<1.5	---	---	---	19.32	5.76	---	13.56
S-6	05/30/2006	4,170	4.98	<0.500	76.6	44.2	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	5.68	---	13.64
S-6	08/30/2006	16,400	10.7	<0.500	353	292	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	6.38	---	12.94
S-6	11/22/2006	6,900	7.7	<2.5	250	450	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.62	---	12.70
S-6	02/23/2007	7,900	4.4	<2.5	400	940	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.06	---	13.26
S-6	05/18/2007	2,600 h	3.1	<1.0	85	147.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.12	---	13.20
S-6	08/10/2007	3,100 h	3.5	0.28 j	110	202	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	11/09/2007	3,700 h	2.1	0.34 j	160	335	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.80	---	12.52
S-6	02/08/2008	2,600 h	2.7	<1.0	72	156.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.11	---	13.21
S-6	05/16/2008	350	<0.50	<1.0	8.4	5.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	08/15/2008	3,600	0.99	<1.0	100	164.9	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.70	---	11.62
S-6	11/26/2008	1,500	2.9	<1.0	13	3.1	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	8.41	---	10.91
S-6	02/27/2009	2,800	4.3	<1.0	17	23	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.22	---	13.10
S-6	05/28/2009	570	0.74	<1.0	3.1	1.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.10	---	13.22
S-6	09/14/2009	440	0.55	<1.0	1.5	2.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.43	---	11.89
S-6	02/05/2010	2,200	1.7	<1.0	5.2	8.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.34	---	12.98
S-6	08/03/2010	340	<0.50	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.85	---	12.47
S-6	02/14/2011	590	1.0	1.0	1.4	3.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.50	---	12.82
S-6	08/04/2011	820	1.2	<0.50	1.7	1.2	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.52	---	12.80
S-6	02/02/2012	1,500	1.4	<0.50	2.4	1.4	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.32	7.30	---	12.02
S-6	08/13/2012	320	<0.50	<0.50	<0.50	<1.0	<0.50	<10	---	---	---	---	---	---	19.32	7.16	---	12.16
S-6	**03/05/2013**	**530**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.32**	**6.41**	**---**	**12.91**
S-7	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.44	6.76	---	12.68
S-7	11/22/2005	51,100	2,680	2,980	969	6,360	1.49	53.3	<0.500	<0.500	<0.500	---	---	---	19.44	6.88	---	12.56
S-7	02/24/2006	22,000 b/25,000 d	1,700	1,200	1,200	2,800	<2.5	58	<2.5	<2.5	<2.5	---	---	---	19.44	5.73	---	13.71
S-7	05/30/2006	35,600	1,720	641	1,600	3,630	2.83	<10.0	<0.500	<0.500	<0.500	---	---	---	19.44	5.61	---	13.83

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-7	08/30/2006	83,900	5,060	62.5	1,640	4,010	2.38	43.4	<0.500	<0.500	<0.500	---	---	---	19.44	6.43	---	13.01
S-7	11/22/2006	13,000	4,300	27	710	1,900	<2.5	54	<10	<10	<10	---	---	---	19.44	6.68	---	12.76
S-7	02/23/2007	15,000	2,000	43	1,100	3,300	<12	<120	<50	<50	<50	---	---	---	19.44	5.82	---	13.62
S-7	05/18/2007	6,100 h	3,900	22 j	520	2,010	<50	<500	<100	<100	<100	---	---	---	19.44	6.20	---	13.24
S-7	08/10/2007	14,000 h	4,900	19 j	670	2,046 j	<50	<500	<100	<100	<100	---	---	---	19.44	6.74	---	12.70
S-7	11/09/2007	16,000 h	4,400	21 j	550	2,052	<50	<500	<100	<100	<100	---	---	---	19.44	6.93	---	12.51
S-7	02/08/2008	2,400 h	160	<2.0	70	160	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.23	---	13.21
S-7	05/16/2008	6,200	1,200	21	320	736.9	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.62	---	12.82
S-7	08/15/2008	15,000	4,500	19	450	1,300	<10	<100	<20	<20	<20	---	---	---	19.44	7.81	---	11.63
S-7	11/26/2008	9,300	3,200	<25	77	250	<25	<250	<50	<50	<50	---	---	---	19.44	8.53	---	10.91
S-7	02/27/2009	3,900	900	<25	49	160	<25	<250	<50	<50	<50	---	---	---	19.44	6.27	---	13.17
S-7	05/28/2009	7,100	1,200	<10	81	600	<10	<100	<20	<20	<20	---	---	---	19.44	6.18	---	13.26
S-7	09/14/2009	11,000	4,000	19	73	66	<10	<100	<20	<20	<20	---	---	---	19.44	7.58	---	11.86
S-7	02/05/2010	4,700	1,200	<10	33	17	<10	<100	<20	<20	<20	---	---	---	19.44	6.36	---	13.08
S-7	08/03/2010	7,600	2,600	14	15	10	<10	<100	<20	<20	<20	---	---	---	19.44	6.90	---	12.54
S-7	02/14/2011	2,200	800	<10	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-7	08/04/2011	4,600	1,200	16	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-7	02/02/2012	1,600	93	4.7	4.0	7.4	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	---	19.44	7.39	---	12.05
S-7	08/13/2012	3,000	220	14	8.9	15	<2.0	<40	<2.0	<2.0	<2.0	---	---	---	19.44	7.14	---	12.30
S-7	**03/05/2013**	**2,000**	**120**	**6.2**	**6.1**	**10**	**<1.0**	**<20**	**---**	**---**	**---**	**---**	**---**	**---**	**19.44**	**6.35**	**---**	**13.09**
S-8	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	20.11	7.02	---	13.09
S-8	08/30/2006	90,600	5,150	28.2	3,230	4,450	4.30	<10.0	<0.500	<0.500	<0.500	---	---	---	20.11	7.19	---	12.92
S-8	11/22/2006	41,000	4,900	58	3,300	7,200	2.6	<25	<10	<10	<10	---	---	---	20.11	7.48	---	12.63
S-8	02/23/2007	28,000	2,900	28	2,900	4,900	<25	<250	<100	<100	<100	---	---	---	20.11	6.73	---	13.38
S-8	05/18/2007	24,000 h	4,400	33 j	3,800	4,470	<50	<500	<100	<100	<100	---	---	---	20.11	6.98	---	13.13
S-8	08/10/2007	22,000 h	5,000	30 j	3,100	3,660	<50	<500	<100	<100	<100	---	---	---	20.11	7.57	---	12.54
S-8	11/09/2007	22,000 h	4,600	24 j	3,000	2,770	<50	<500	<100	<100	<100	---	---	---	20.11	7.80	---	12.31
S-8	02/08/2008	11,000 h	5,900	<50	410	310	<50	<500	<100	<100	<100	---	---	---	20.11	6.55	---	13.56
S-8	05/16/2008	20,000	1,600	32	2,300	2,136	<20	<200	<40	<40	<40	---	---	---	20.11	7.30	---	12.81
S-8	08/15/2008	26,000	2,400	20	4,900	2,432	<20	<200	<40	<40	<40	---	---	---	20.11	8.60	---	11.51
S-8	11/26/2008	10,000	890	6.6	790	302	<5.0	<50	<10	<10	<10	---	---	---	20.11	9.20	---	10.91
S-8	02/27/2009	770	30	<1.0	9.9	6.0	<1.0	12	<2.0	<2.0	<2.0	---	---	---	20.11	7.04	---	13.07
S-8	05/28/2009	5,800	620	3.1	390	380	<1.0	40	<2.0	<2.0	<2.0	---	---	---	20.11	6.91	---	13.20
S-8	09/14/2009	7,700	1,600	<10	110	750	<10	<100	<20	<20	<20	---	---	---	20.11	8.32	---	11.79
S-8	02/05/2010	10,000	2,000	<10	150	260	<10	<100	<20	<20	<20	---	---	---	20.11	7.08	---	13.03
S-8	08/03/2010	12,000	2,000	<20	47	82	<20	<200	<40	<40	<40	---	---	---	20.11	7.64	---	12.47
S-8	02/14/2011	4,900	960	<10	89	78	<20	<200	<20	<20	<20	---	---	---	20.11	7.20	---	12.91

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-8	08/04/2011	7,200	830	<5.0	26	13	<10	<100	<10	<10	<10	---	---	---	20.11	7.24	---	12.87
S-8	02/02/2012	12,000	1,400	4.0	29	9.8	<2.5	<50	<2.5	<2.5	<2.5	<2.5	<2.5	---	20.11	8.08	---	12.03
S-8	08/13/2012	7,100	1,100	<5.0	55	21	<5.0	<100	<5.0	<5.0	<5.0	---	---	---	20.11	7.84	---	12.27
S-8	**03/05/2013**	**3,600**	**700**	**<5.0**	**18**	**<10**	**<5.0**	**<100**	**---**	**---**	**---**	**---**	**---**	**---**	**20.11**	**7.10**	**---**	**13.01**
S-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.60	6.93	---	12.67
S-9	08/30/2006	162,000	3,620	5,040	3,810	22,500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.60	6.52	---	13.08
S-9	11/22/2006	47,000	2,100	840	3,000	12,000	<2.5	<25	<10	<10	<10	---	---	---	19.60	6.78	---	12.82
S-9	02/23/2007	18,000	890	120	1,800	3,600	<12	<120	<50	<50	<50	---	---	---	19.60	6.13	---	13.47
S-9	05/18/2007	22,000 h	1,300	630	2,400	7,300	<50	<500	<100	<100	<100	---	---	---	19.60	6.35	---	13.25
S-9	08/10/2007	36,000 h	2,600	920	4,200	14,900	<50	<500	<100	<100	<100	---	---	---	19.60	6.86	---	12.74
S-9	11/09/2007	34,000 h	2,100	320	3,700	12,000	<50	<500	<100	<100	<100	---	---	---	19.60	7.09	---	12.51
S-9	02/08/2008	7,400 h	410	51	1,100	1,620	<10	<100	<20	<20	<20	---	---	---	19.60	6.00	---	13.60
S-9	05/16/2008	19,000	910	230	1,600	4,200	<10	<100	<20	<20	<20	---	---	---	19.60	6.67	---	12.93
S-9	08/15/2008	65,000	2,600	540	5,200	19,000	<10	<100	<20	<20	<20	---	---	---	19.60	7.93	---	11.67
S-9	11/26/2008	18,000	910	<100	2,000	3,340	<100	<1,000	<200	<200	<200	---	---	---	19.60	8.60	---	11.00
S-9	02/27/2009	1,000	55	2.3	100	61	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.60	6.35	---	13.25
S-9	05/28/2009	9,700	410	120	810	1,400	<10	<100	<20	<20	<20	---	---	---	19.60	6.22	---	13.38
S-9	09/14/2009	24,000	960	120	2,200	6,500	<5.0	<50	<10	<10	<10	---	---	---	19.60	7.73	---	11.87
S-9	02/05/2010	4,900	310	6.2	180	240	<5.0	<50	<10	<10	<10	---	---	---	19.60	6.51	---	13.09
S-9	08/03/2010	17,000	940	25	500	2,800	<2.0	29	<4.0	<4.0	<4.0	---	---	---	19.60	7.02	---	12.58
S-9	02/14/2011	1,500	190	3.6	11	38	<4.0	<40	<4.0	<4.0	<4.0	---	---	---	19.60	6.60	---	13.00
S-9	08/04/2011	5,300	370	18	53	370	<5.0	<50	<5.0	<5.0	<5.0	---	---	---	19.60	6.62	---	12.98
S-9	02/02/2012	1,100	85	2.1	3.4	2.9	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	---	19.60	7.48	---	12.12
S-9	08/13/2012	4,200	370	18	48	66	<2.5	<50	---	---	---	---	---	---	19.60	7.27	---	12.33
S-9	**03/05/2013**	**1,800**	**72**	**2.8**	**4.9**	**6.4**	**<1.0**	**<20**	**---**	**---**	**---**	**---**	**---**	**---**	**19.60**	**6.53**	**---**	**13.07**
TBW-E	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.31	---	---
TBW-E	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.01	---	---
TBW-E	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.32	---	---
TBW-E	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.55	---	---
TBW-E	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.95	---	---
TBW-E	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.47	---	---
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	1,300	<400	<400	<400	<100	<100	<10,000	---	5.64	---	---
TBW-N	12/01/2004	160,000	700	31,000	2,300	24,000	2,900	1,200	<400	<400	<400	<100	<100	<10,000	---	6.35	---	---
TBW-N	12/07/2004	130,000	590	29,000	2,300	24,000	2,700	1,300	<400	<400	<400	<100	<100	<10,000	---	5.65	---	---
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.85	---	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.30	---	---
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<1,000	<400	<400	<400	<100	<100	<10,000	---	7.80	---	---
TBW-N	01/17/2005	86,000	330	22,000	2,200	21,000	1,600	1,600	<400	<400	<400	<100	<100	<10,000	---	6.59	---	---
TBW-N	02/04/2005	97,000	290	23,000	1,800	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.50	---	---
TBW-N	03/02/2005	94,000	360	24,000	2,000	19,000	1,200	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.11	---	---
TBW-N	04/12/2005	27,000	130	9,300	1,100	8,700	1,400	390	<100	<100	<20	<25	<25	<2,500	---	4.08	---	---
TBW-N	05/13/2005	42,000	130	8,700	1,500	12,000	1,400	440	<100	<100	<100	<25	<25	<2,500	---	4.45	---	---
TBW-N	06/10/2005	46,000	63	5,500	1,300	11,000	500	<250	<100	<100	<100	<25	<25	<2,500	---	4.97	---	---
TBW-N	07/15/2005	48,000	88	8,400	1,300	9,500	660	310	<100	<100	<100	<25	<25	<2,500	---	5.18	---	---
TBW-N	08/17/2005	36,000 a	85 a	8,500 a	1,200 a	11,000 a	510 a	<500 a	<200 a	<200 a	<200 a	<50 a	<50 a	<5,000 a	18.08	5.28	---	12.80
TBW-N	09/15/2005	20,000	59	2,400	730	9,300	600	500	<40	<40	<40	---	---	<1,000	18.08	5.92	---	12.16
TBW-N	10/17/2005	59,000	58	4,900	1,200	16,000	490	<250	<100	<100	<100	<25	<25	<2,500	18.08	5.96	---	12.12
TBW-N	11/22/2005	105,000	41.3	8,750	1,550	18,300	443	248	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.82	---	12.26
TBW-N	12/09/2005	65,900	43.4	5,110	1,110	13,500	493	259	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.60	---	12.48
TBW-N	01/05/2006	80,100	33.8	4,910	1,620	19,400	410	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.44	---	13.64
TBW-N	02/24/2006	56,000 b/60,000 d	15	2,700	1,000	12,000	270	180	<15	<15	<15	<15	<15	<150	18.08	4.67	---	13.41
TBW-N	03/08/2006	60,200	23.4	3,820	1,370	16,500	293	93.8	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.18	---	13.90
TBW-N	04/13/2006	73,000	21.8	2,900	1,220	14,600	277	68.5	<0.500	<0.500	<0.500	<0.500	<0.500	<500	18.08	3.49	---	14.59
TBW-N	05/30/2006	59,300	18.7	1,170	1,800	10,200	119 e	<10.0	<0.500	<0.500	<0.500	0.860	<0.500	<50.0	18.08	4.52	---	13.56
TBW-N	06/05/2006	83,700	16.0	1,510	2,090	11,400	146 e	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.55	---	13.53
TBW-N	07/19/2006	80,100	16.4	632	1,550	13,900	85.7	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.99	---	13.09
TBW-N	08/30/2006	52,700	18.2	747	1,900	13,400	82.9	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<500	18.08	5.47	---	12.61
TBW-N	09/06/2006	77,500	21.3	1,100	1,650	11,800	116	12.4	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.39	---	12.69
TBW-N	10/13/2006	33,000	22	1,300	1,700	27,000	160	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.57	---	12.51
TBW-N	11/22/2006	36,000	18	680	1,200	14,000	110	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.65	---	12.43
TBW-N	12/12/2006	34,000	<25	330	1,400	11,000	89	<1,000	<25	<25	<25	<25	<25	<5,000	18.08	5.34	---	12.74
TBW-N	01/05/2007	26,000 g	16	450	1,400	13,000 f	96	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.23	---	12.85
TBW-N	02/23/2007	41,000	<25	400	1,500	15,000	120	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.96	---	13.12
TBW-N	03/08/2007	15,000	<25	320	1,300	15,000	110	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.93	---	13.15
TBW-N	04/06/2007	24,000 h	15	360	1,100	12,300	130	<50	<10	<10	<10	<2.5	---	<500	18.08	5.07	---	13.01
TBW-N	05/18/2007	30,000 h	15 j	140	1,100	9,960	100	<50	<100	<100	<100	<25	<50	<5,000	18.08	5.25	---	12.83
TBW-N	06/11/2007	26,000 h	15 j	160	1,300	9,150	120	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.33	---	12.75
TBW-N	07/03/2007	36,000 h	9.3 j	150	990	8,400	130	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.46	---	12.62
TBW-N	08/10/2007	24,000 h	14	200	1,200	5,240	120	<200	<40	<40	<40	<10	<20	<2,000	18.08	5.78	---	12.30
TBW-N	09/25/2007	28,000 h	15	560	1,400	7,600	<20	160 j	<40	<40	<40	<10	<20	<2,000	18.08	6.02	---	12.06
TBW-N	11/09/2007	42,000 h	18	610	1,700	14,500	140	<250	<50	<50	<50	<12	<25	<2,500	18.08	5.91	0.01	12.18
TBW-N	02/08/2008	36,000 h	<25	450	1,400	15,100	97	<500	<100	<100	<100	<25	<50	<5,000	18.08	4.79	---	13.29
TBW-N	05/16/2008	26,000	80	99	970	5,130	130	<500	<100	<100	<100	---	---	---	18.08	5.50	---	12.58

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
TBW-N	08/15/2008	24,000	<25	1,300	1,300	2,400	90	<500	<100	<100	<100	<25	<50	<5,000	18.08	6.59	---	11.49
TBW-N	11/26/2008	24,000	<25	140	810	5,580	52	<500	<100	<100	<100	<25	<50	<5,000	18.08	7.40	---	10.68
TBW-N	02/27/2009	22,000	<25	110	520	5,000	<50	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.86	---	12.22
TBW-N	05/28/2009	32,000	8.9	160	860	5,600	53	160	<10	<10	<10	---	---	---	18.08	5.50	---	12.58
TBW-N	09/14/2009	28,000	10	110	890	4,700	60	<200	<40	<40	<40	<10	<20	<2000	18.08	6.31	---	11.77
TBW-N	02/05/2010	27,000	<10	71	630	4,900	28	<200	<40	<40	<40	<10	<20	<2000	18.08	5.28	---	12.80
TBW-N	08/03/2010	20,000	9.8	46	130	890	64	<100	<20	<20	<20	<5.0	<10	<1000	18.08	5.75	---	12.33
TBW-N	02/14/2011	15,000	7.5	38	320	1,800	18	<10	<10	<10	<10	<5.0	<5.0	<1500	18.08	5.40	---	12.68
TBW-N	08/04/2011	11,000	5.7	26	77	120	21	12	<1.0	<1.0	<1.0	<0.50	<0.50	<150	18.08	5.43	---	12.65
TBW-N	02/02/2012	11,000	4.8	15	150	200	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<150	18.08	6.27	---	11.81
TBW-N	08/13/2012	7,400	6.3	8.5	100	65	<0.50	17	---	---	---	<0.50	<0.50	<150	18.08	6.20	---	11.88
TBW-N	**03/05/2013**	**12,000**	**<5.0**	**9.0**	**130**	**260**	**<5.0**	**<100**	**---**	**---**	**---**	**<5.0**	**<5.0**	**<1,500**	**18.08**	**5.35**	**---**	**12.73**
TBW-S	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.18	---	---
TBW-S	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.87	---	---
TBW-S	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.15	---	---
TBW-S	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.38	---	---
TBW-S	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.81	---	---
TBW-S	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.35	---	---
TBW-W	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.14	---	---
TBW-W	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.86	---	---
TBW-W	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.13	---	---
TBW-W	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.37	---	---
TBW-W	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.79	---	---
TBW-W	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.32	---	---

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = Ethylene dibromide analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*1,2-DCA (µg/L)*	*EDB (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*SPH Thickness (ft)*	*GW Elevation (ft MSL)*

TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
µg/L = Micrograms per liter
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Extracted out of holding time.
b = Result with a carbon range of C4-C12.
c = Result may be biased slightly high. See lab report case narrative.
d = Result with a carbon range of C6-C12.
e = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
f = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
g = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
h = Analyzed by EPA Method 8015B (M).
i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Well TBW-N surveyed September 1, 2005 by Virgil Chavez Land Surveying
Wells S-2 through S-7 surveyed on November 30, 2005 by Virgil Chavez Land Surveying
Wells S-4B and S-7 through S-9 surveyed on August 17, 2006 by Virgil Chavez Land Surveying

Table 4. Groundwater and Product Removal Data, Shell-branded Service Station, 1601 Webster Street, Alameda, California.

Date	Total Volume Hauled (gals)	Cumulative Volume (gals)	Measured Product Thickness in Vacuum Truck (ft)	Dissolved TPHg Conc. (ppm)	Est pounds TPHg removed in Dissolved Phase (lbs)	Estimated Volume of Product Removed as SPH (gal)	Estimated Volume of Product Removed as dissolved phase (gal)	Comments
								FUEL RELEASE ESTIMATE: UST gaging by SJ Weaver on 8/18 read 71.5 inches = 8,340 gallons, per tank chart. On 8/19 gaging by SJ Weaver read 55 inches = 6,256 gallons, per tank chart. Net est. Loss = 8,340-6,256 = 2,084 gallons.
8/19/2004	2,188	2,188	NM	*120*	*2.17*		*0.36*	Pumped from well into open Baker tank. Then tank emptied by PSC vacuum truck
8/19/2004	2,535	4,703	NM	*120*	*2.54*	915	*0.42*	Pumped from well into open Baker tank. Also pumped directly into Vacuum Truck. Then open Baker tank emptied by PSC
8/20/2004	0	4,703	NM	*120*	*0.00*	–	*0.00*	Pumped into closed Baker tank - none hauled.
8/21/2004	4,369	9,072	NM	*120*	*4.37*	*50*	*0.72*	Pumped into closed Baker tank, then began emptying closed tank by vacuum truck. Estimated SPH volume from similar data.
8/21/2004	*3,654*	12,726	0.67	*120*	*3.66*	*773*	*0.60*	From closed Baker tank and well. Volumes based on verbal report - missing bills of lading
8/21/2004	*2,091*	14,817	0.04	*120*	*2.09*	57	*0.34*	From well and baker tank. Volumes based on verbal report - missing bills of lading
8/22/2004	319	15,136	NM	*120*	*0.32*	*NM*	*0.05*	Baker Tank cleaning water.
8/22/2004	2,285	17,421	0.11	*120*	*2.29*	150	*0.38*	
8/23/2004	1,947	19,368	0.01	*120*	*1.95*	13	*0.32*	
8/24/2004	1,013	20,381	0.01	*120*	*1.01*	12	*0.17*	
8/25/2004	4,026	24,407		*120*	*4.03*		*0.66*	
8/26/2004	3,839	28,246		82	2.63		0.43	
8/27/2004	3,882	32,128		82	2.66		0.44	
8/28/2004	2,770	34,898		100	2.31		0.38	
8/29/2004	3,834	38,732		100	3.20		0.53	
8/30/2004	3,376	42,108		91	2.56	*12*	0.42	Half UST cleaning water and half groundwater from well. SPH amount estimated from 0.02' SPH in UST gaged on 8/21/04
8/31/2004	3,249	45,357		91	2.47		0.41	
9/1/2004	3,832	49,189		110	3.52		0.58	
9/2/2004	2,151	51,340		110	1.97		0.32	
9/3/2004	3,136	54,476		99	2.59		0.43	
9/4/2004	3,671	58,147		99	3.03		0.50	
9/5/2004	3,395	61,542		66	1.87		0.31	
9/6/2004	2,948	64,490		66	1.62		0.27	
9/7/2004	3,285	67,775		66	1.81		0.30	
9/8/2004	3,128	70,903		66	1.72		0.28	
9/9/2004	3,902	74,805		67	2.18		0.36	water from TBW-N. TBW-S, & TBW-E
9/10/2004	2,989	77,794		67	1.67		0.27	water from TBW-N. TBW-S, & TBW-E
9/13/2004	2,807	80,601		61	1.43		0.23	70-barrel truck
9/20/2004	4,266	84,867		120	4.27		0.70	
9/28/2004	4,691	89,558		99	3.88		0.64	
10/4/2004	4,050	93,608		80	2.70		0.44	
10/11/2004	3,121	96,729		57	1.48		0.24	
10/18/2004	3,597	100,326		68	2.04		0.34	
10/25/2004	4,127	104,453		81	2.79			2,641 additional gallons from tank cleaning were disposed of on 10/25/04
11/1/2004	5,047	109,500		86	3.62		0.59	
11/8/2004	2,178	111,678		100	1.82		0.30	
11/16/2004	4,891	116,569		83	3.39		0.56	concentration based on 11/23/04 sample
11/29/2004	4,531	121,100		160	6.05		0.99	concentration based on 11/30/04 sample
12/13/2004	5,208	126,308		120	5.21		0.86	concentration based on 12/15/04 sample
12/27/2004	4,800	131,108		100	4.01		0.66	concentration based on 12/27/04 sample
1/17/2005	3,580	134,688		86	2.57		0.42	concentration based on 1/17/05 sample
2/7/2005	2,389	137,077		97	1.93		0.32	concentration based on 2/4/05 sample
3/8/2005	4,843	141,920		94	3.80		0.62	concentration based on 3/3/05 sample
4/6/2005	4,711	146,631		27	1.06		0.17	concentration based on 4/12/05 sample
5/2/2005	4,706	151,337		42	1.65		0.27	concentration based on 5/13/05 sample
6/6/2005	5,011	156,348		46	1.92		0.32	concentration based on 6/10/05 sample
7/11/2005	4,627	160,975		48	1.85		0.30	concentration based on 7/15/05 sample
8/8/2005	4,785	165,760		36	1.44		0.24	concentration based on 8/17/05 sample
9/12/2005	4,992	170,752		20	0.83		0.14	concentration based on 9/15/05 sample
10/10/2005	5,181	175,933		59	2.55		0.42	concentration based on 10/17/05 sample
11/7/2005	4,821	180,754		105	4.22		0.69	concentration based on 11/22/05 sample

TOTALS	180,754		128.8	1,982.1	20.7
	(gallons) Total Estimated Volume of Liquid Removed		(pounds) Total estimated mass based on dissolved TPHg concentrations	(gallons) Total Estimated Volume accounted for as liquid SPH	(gallons) Total estimated equivalent volume based on dissolved TPHg concentrations

NOTES:

Mass removal values are approximate only.

Pounds of TPHg/benzene/MTBE removal based on the calculation: (TPHg/benzene/MTBE concentration* (ppb)) x gallons pumped x (8.3×10^{-9} (liters/gal x pounds/µg))

I:\Shell\8-chars\2404--\240467-Alameda 1601 Webster St\240467-REPORTS\240467-RPT13-1Q13\240467 1QM13-GW.DWG

FIGURE 2

Shell-branded Service Station
1601 Webster Avenue
Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Contour and Chemical Concentration Map

March 5, 2013

RO 450
1629 Webster St.

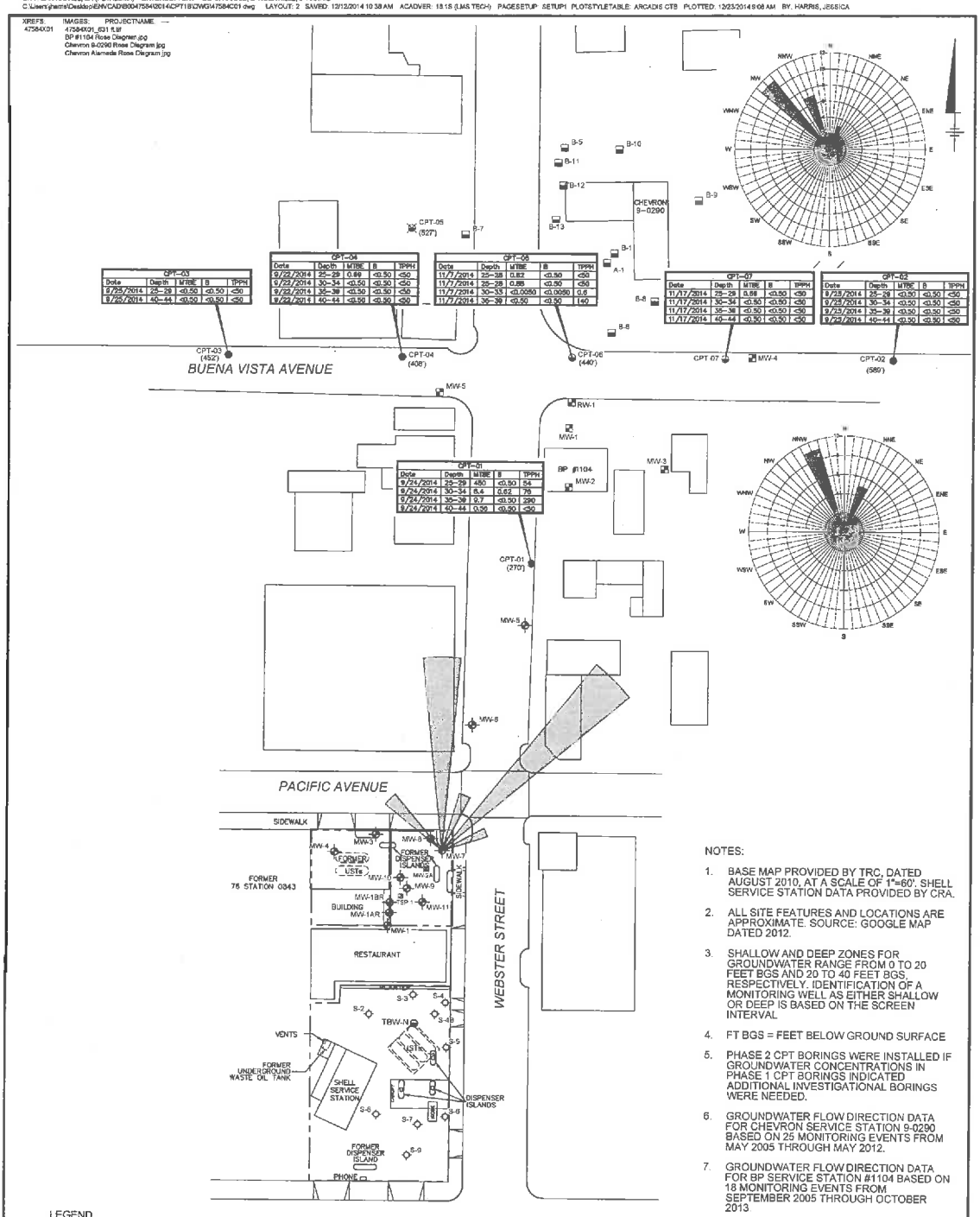
Table 1
CPT Groundwater Grab Sample Analytical Results
Unocal Service Station No. 0843
1629 Webster Street
Alameda, California

note nearby site

Well ID	Date Sampled	Screen Interval (feet bgs)	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	Comments
ESL			100*	1	40	30	20	5	12	
CPT-01	9/24/2014	25-29	**54**	<0.50	<0.50	<0.50	<1.0	**450**	<10	
CPT-01	9/24/2014	30-34	**76**	**0.62**	<0.50	<0.50	<1.0	**6.4**	<10	
CPT-01	9/24/2014	35-39	**290**	<0.50	<0.50	<0.50	<1.0	**9.7**	<10	Chromatograph is dominated by a single peak at about 3.5 minutes which is atypical of gasoline.
CPT-01	9/24/2014	40-44	<50	<0.50	<0.50	<0.50	<1.0	**0.56**	<10	
CPT-02	9/25/2014	25-29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-02	9/25/2014	30-34	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-02	9/25/2014	35-39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-02	9/25/2014	40-44	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-03	9/25/2014	25-29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-03	9/25/2014	40-44	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-04	9/22/2014	25-29	<50	<0.50	<0.50	<0.50	<1.0	**0.69**	<10	
CPT-04	9/22/2014	30-34	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-04	9/22/2014	35-39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-04	9/22/2014	40-44	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-05	Not installed. Not needed based on Phase 1 data									
CPT-06	11/7/2014	25-28	<50	<0.50	<0.50	<0.50	<1.0	**0.82**	<10	
CPT-06-D	11/7/2014	25-28	<50	<0.50	<0.50	<0.50	<1.0	**0.88**	<10	Blind Duplicate
CPT-06	11/7/2014	30-33	**0.6**	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	Ran as soil due to the presence of silt in the VOAs. Data in mg/kg
CPT-06	11/7/2014	35-39	**140**	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-07	11/17/2014	25-29	<50	<0.50	<0.50	<0.50	<1.0	**0.69**	<10	
CPT-07	11/17/2014	30-34	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-07	11/17/2014	35-39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
CPT-07	11/17/2014	40-44	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	
EB-1	9/25/2014	--	<50	<0.50	**0.97**	<0.50	<1.0	<0.50	<10	
TB-1	9/25/2014	--	<50	<0.50	**1.0**	<0.50	<1.0	<0.50	<10	
TB-1	11/7/2014	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	

Standard Abbreviations

*	ESL is for total petroleum hydrocarbons as gasoline
--	not applicable
<	not detected at or above laboratory detection limit
µg/L	micrograms per liter (approx. equivalent to parts per billion, ppb)
bgs	feet below ground surface
ESL	San Francisco Regional Water Quality Control Board's Environmental Screening Limit (December 2013)
MTBE	methyl tertiary butyl ether
TBA	tertiary butyl alcohol



NOTES:

1. BASE MAP PROVIDED BY TRC, DATED AUGUST 2010, AT A SCALE OF 1"=60'. SHELL SERVICE STATION DATA PROVIDED BY CRA.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE. SOURCE: GOOGLE MAP DATED 2012.
3. SHALLOW AND DEEP ZONES FOR GROUNDWATER RANGE FROM 0 TO 20 FEET BGS AND 20 TO 40 FEET BGS, RESPECTIVELY. IDENTIFICATION OF A MONITORING WELL AS EITHER SHALLOW OR DEEP IS BASED ON THE SCREEN INTERVAL.
4. FT BGS = FEET BELOW GROUND SURFACE
5. PHASE 2 CPT BORINGS WERE INSTALLED IF GROUNDWATER CONCENTRATIONS IN PHASE 1 CPT BORINGS INDICATED ADDITIONAL INVESTIGATIONAL BORINGS WERE NEEDED.
6. GROUNDWATER FLOW DIRECTION DATA FOR CHEVRON SERVICE STATION 9-0290 BASED ON 25 MONITORING EVENTS FROM MAY 2005 THROUGH MAY 2012.
7. GROUNDWATER FLOW DIRECTION DATA FOR BP SERVICE STATION #1104 BASED ON 18 MONITORING EVENTS FROM SEPTEMBER 2005 THROUGH OCTOBER 2013.
8. SITE GROUNDWATER FLOW DIRECTION DATA IS BASED ON APPROXIMATELY 60 MONITORING EVENTS FROM 1999 THROUGH 2014.

LEGEND

- PROPERTY BOUNDARY
- MW-1 SITE MONITORING WELL (SHALLOW)
- MW-1 SITE MONITORING WELL (DEEP)
- TSP-1 SPARGE WELL
- S-9 SHELL SERVICE STATION MONITORING WELL (SHALLOW)
- B-1 CHEVRON SERVICE STATION MONITORING WELL (SHALLOW)
- MW-1 BP SERVICE STATION MONITORING WELL (SHALLOW)
- TBW-N SHELL TANK BACKFILL MONITORING WELL
- MW-2A ABANDONED WELL
- CPT-01 PHASE 1 CPT BORING LOCATION
- CPT-04 PHASE 2 CPT BORING LOCATION
- CPT-05 BORING LOCATION NOT INSTALLED
- (827') RADIAL DISTANCE OF PROPOSED CPT BORING LOCATION FROM SITE MONITORING WELL MW-7
- GROUNDWATER FLOW DIRECTION
- MTBE METHYL TERTIARY BUTYL ETHER
- B BENZENE
- TPPH TOTAL PURGEABLE PETROLEUM HYDROCARBONS
- < LESS THAN LABORATORY REPORTING LIMIT SHOWN
- – NOT APPLICABLE

DEPTHS ARE IN FEET BELOW GROUND SURFACE (FT BGS)

ALL ANALYTICAL RESULTS ARE IN MICROGRAMS PER LITER (µg/L)

0 80' 160'
GRAPHIC SCALE

UNION OIL COMPANY OF CALIFORNIA
FORMER FACILITY NO. 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

CPT BORING LOCATIONS AND GROUNDWATER ANALYTICAL DATA

ARCADIS

FIGURE 2

ATTACHMENT 4

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA - PETROLEUM

Closure Scenario

Exemption: _X_ Active fueling station exempt from vapor specific criteria; Active as of date: 12/01/2016

__ Scenario 1; __ Scenario 2; __ Scenario 3a; __ Scenario 3b; __ Scenario 4a without bioattenuation zone;
__ Scenario 4b with bioattenuation zone; __ Site specific risk assessment demonstrates human health is protected;
__ Exposure controlled through use of mitigation measures or institutional controls;
__ Case closed in spite of not meeting the vapor specific media criteria

Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria

Site Specific Data		**Scenario 1**	**Scenario 2**	**Scenario 3A**	**Scenario 3B**	**Scenario 3C**	**Scenario 4a**	**Scenario 4b**
Unweathered LNAPL	No LNAPL	LNAPL in gw	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	< 5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	No criteria	≥ 5 feet
Depth to Shallowest Groundwater	3.49 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥ 5 feet	≥ 5 feet	≥ 5 feet
Total TPHg & TPHd in Soil in Bioattenuation Zone	1,300 mg/kg (P-3-3')	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	No criteria	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	700 µg/L (S-8)	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria	No criteria
Oxygen Data in Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4%	No criteria	≥4% at bottom of zone
Soil Vapor Depth Beneath Foundation	N/A	No criteria	No criteria	No criteria	No criteria	No criteria	5 feet	5 feet
Benzene Concentrations (µg/m^3)	Historic Max: --- Current Max: ---	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 85; Com: < 280	Res: < 85K; Com: < 280K
Ethylbenzene Concentrations (µg/m^3)	Historic Max: --- Current Max: ---	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 1,100; Com: < 3,600	Res: < 1,100K; Com: < 3,600K
Naphthalene Concentrations (µg/m^3)	Historic Max: --- Current Max: ---	No criteria	No criteria	No criteria	No criteria	No criteria	Res: < 93; Com: < 310	Res: < 93K; Com: < 310K

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA – PETROLEUM (cont.)	
Vapor Intrusion to Indoor Air Analysis	
Onsite	As an active fueling station, the site is exempt from meeting the Vapor Intrusion to Indoor Air Criteria of the Low Threat Closure Policy.
Offsite	The only petroleum hydrocarbon constituent detected in the down-gradient perimeter wells is MTBE. The volatile petroleum hydrocarbon plume does not extend offsite. Therefore, the vapor intrusion risk to off-site receptors from the contaminant plume is considered low.

ATTACHMENT 5

Attachment 5 – Direct Contact Evaluation and Data

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPSURE CRITERIA

Closure Scenario

__ Exemption (no petroleum hydrocarbons in upper 10 feet), __ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below, __ Site-specific risk assessment, **__X__ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health**, __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls, __ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.

Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria

Are maximum concentrations less than those in Table 1 below?		No				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	< 0.50	1.0	< 0.50	1.0	1.0
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	< 0.50	90	< 0.50	90	90
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	----	----	----	----
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5

Direct Contact and Outdoor Air Analysis

Onsite	This site does not meet this LTCP criterion due to the lack of analysis in soil for naphthalene and poly-aromatic hydrocarbons (PAHs). The presence of naphthalene is anticipated to be associated with the gasoline fuel release. Based on the ratio of benzene to naphthalene in gasoline formulation, ACDEH concludes that the potential for residual naphthalene concentration is expected to be below the concentration listed in Table 1. PAH analysis is not recommended for the gasoline fuel release. Additionally, under the current land use, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct contact exposure under the current land use. Excavation or construction activities in areas of potential residual contamination will be managed with a land use restriction, and require planning and implementation of appropriate health and safety procedures by the responsible party, or current property owner, prior to and during excavation and construction activities.
Offsite	Source of petroleum hydrocarbons for off-site direct contact is from the dissolved phase contaminant plume. The only petroleum hydrocarbon detected in the down-gradient perimeter wells is MTBE. Due to the low degree of adherence to soil and low levels of MTBE reported in the down-gradient perimeter wells, the effect of the MTBE plume would not be expected to pose a significant health risk.

Table 2
Summary of Soil Vapor Sample Data
3635 13th Avenue, Oakland, California

Sample Location	Date	Depth (feet bgs)	TPH-g (µg/m³)	TPH-d (µg/m³)	MTBE (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	Total Xylenes (µg/m³)	Naphthalene (µg/m³)	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	He Shroud Concentration (%)	He Detected (%)
SG-1-5	02/15/13	5	<1,800	--	<7.3	<6.5	<7.7	<8.8	<27	--	--	--	--	--	--
	06/30/16	5	<520	<5,000	<4.6	<4.1	<4.8	<5.5	<5.5	<5.0	15	5.2	<0.00026	26.7	<0.13
SG-1-10	02/15/13	10	4,600	--	13	<6.5	<7.7	<8.8	<27	--	--	--	--		--
	06/30/16	10	Not sampled, soil vapor well saturated with groundwater.												
SG-2-5	02/15/13	5	<1,800	--	<7.3	<6.5	<7.7	<8.8	<27	--	--	--	--	--	--
	06/30/16	5	<560	<5,000	<4.9	<4.4	<5.2	<5.9	<5.9	<5.0	13	5.3	0.00065	23.6	<0.14
SG-2-10	02/15/13	10	<1,800	--	<7.3	<6.5	<7.7	<8.8	<27	--	--	--	--		--
	06/30/16	10	Not sampled, soil vapor well saturated with groundwater.												
SG-3-5	02/15/13	5	**6,400,000**	--	<2,000	**6,400**	<2,000	<2,000	<2,000	--	--	--	--	--	--
	06/30/16	5	<440	<5,000	9.4	7.1	20	<4.7	5.1	<5.0	15	5.7	<0.00022	14.8	<0.11
SG-3-10	02/15/13	10	Not sampled, soil vapor well saturated with groundwater.												
	06/30/16	10	Not sampled, soil vapor well saturated with groundwater.												
SG-4	06/30/16	5	<530	<5,000	**5.7**	<4.2	12	**<5.7**	**<5.7**	<5.0	19	2.0	<0.00026	15.4	<0.13
SG-5	06/30/16	5	<560	<5,000	**<4.9**	<4.4	<5.1	**<5.9**	**<5.9**	<5.0	19	1.1	<0.00027	26.2	<0.14
SG-6	06/30/16	5	2,200	<5,000	9.1	**<3.9**	36	**6.3**	25	<5.0	17	3.6	<0.00024	21.3	0.13
SG-7	06/30/16	5	<540	<5,000	<4.7	<4.2	29	15	101	<5.0	17	3.9	<0.00026	25.7	<0.13
SG-8	06/30/16	5	780	<5,000	**<4.9**	10	150	24	93	<5.0	17	3.8	<0.00027	20.1	<0.14
SG-9	06/30/16	5	780	<5,000	5.4	17	170	34	158	<5.0	19	1.2	<0.00027	38.5	<0.13
Comparison Values:															
Tier 1 ESL			50,000	68,000	5,400	48	160,000	560	52,000	41	--	--	--	--	--

Notes:

µg/m³	micrograms per cubic meter
bgs	below ground surface
TPH-g	Total Petroleum Hydrocarbons as gasoline
TPH-d	Total Petroleum Hydrocarbons as diesel
MTBE	Methyl tert butyl ether
--	No established comparison value
%	Percent volume of targeted analyte
Bold	Value exceeds applicable screening level

Comparison Values:
Tier 1 ESL San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs), Summary of Vapor ESLs, February 2016

Table 1
Summary of Soil Sample Data
3635 13th Avenue, Oakland, California

Location ID	Date	Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	Naphthalene (mg/kg)	Lead (mg/kg)
SB-10	8/21/2003	12	100	38	--	**0.39**	<0.10	0.88	1.4	<1.0	--	--	--
		19	66	6.3	--	<0.005	0.075	0.047	0.13	<0.05	--	--	--
SB-11	8/21/2003	8	1.8	1.1	--	**0.10**	0.012	<0.005	<0.005	<0.05	--	--	--
		12	1.3	2.1	--	**0.05**	<0.005	<0.005	<0.005	<0.05	--	--	--
		19	150	27	--	**0.13**	0.11	0.25	0.18	<0.50	--	--	--
SB-12	10/9/2003	12	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
		18	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SB-13	10/10/2003	20	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SB-14	10/10/2003	16	74	98	--	<0.050	<0.005	<0.050	0.12	<0.50	--	--	--
		23	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SB-15	10/10/2003	15	**660**	100	--	<0.20	**5.6**	1.3	1.9	<2.0	--	--	--
		19	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SB-16	4/23/2007	10	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
		16	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
		20	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
		24	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
SB-17	4/23/2007	10	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/23/2007	15	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/23/2007	20	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	0.0052	<0.05	--	--
SB-18	4/23/2007	10	27	17	--	**0.068**	<0.005	0.018	<0.005	<0.005	<0.05	--	--
	4/23/2007	15	2.7	<1.0	--	**0.078**	<0.005	0.014	<0.005	<0.005	<0.05	--	--
	4/23/2007	19	<1.0	<1.0	--	0.013	<0.005	<0.005	<0.005	0.022	0.052	--	--
	4/23/2007	25	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	0.011	<0.05	--	--
SB-19	4/20/2007	9	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/20/2007	15	12	9.8	--	**0.085**	<0.010	0.26	0.020	<0.010	<0.10	--	--
	4/20/2007	20	**160**	40	--	**0.12**	<0.010	0.28	0.082	0.061	<0.10	--	--
SB-20	4/20/2007	14	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	0.0085	<0.05	--	--
	4/20/2007	18	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	0.0095	<0.05	--	--
	4/20/2007	25	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/20/2007	30	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
SB-21	4/20/2007	6	<1.0	4.7	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/20/2007	10	**1,300**	**300**	--	<0.20	<0.20	**5.2**	1.0	<0.20	<2.0	--	--
	4/20/2007	15	3.8	<1.0	--	**0.56**	<0.025	0.086	0.056	<0.025	<0.025	--	--
	4/20/2007	26	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
	4/20/2007	35	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
SB-22	4/20/2007	11	**4,900**	**1,400**	--	**78**	**280**	**150**	**830**	<10	<100	--	--
	4/20/2007	16	**200**	1.20	--	**1.4**	0.28	0.27	1.2	<0.10	<1.0	--	--
	4/20/2007	20	4.4	<1.0	--	**1.5**	<0.10	<0.10	<0.10	<0.10	<1.0	--	--
SB-23	4/20/2007	7.0	<1.0	**210**	--	<0.20	<0.20	**4.8**	**11**	<0.20	<2.0	--	--
	4/20/2007	11	**1,800**	**350**	--	**3.4**	**1.2**	**11**	**56**	<0.50	<5.0	--	--
	4/20/2007	15	**520**	**210**	--	**7.3**	**6.5**	**10**	**53**	<0.50	<5.0	--	--
	4/20/2007	21	6.9	31	--	**1.2**	<0.10	0.12	<0.10	<0.10	<1.0	--	--
SG-1-10	11/3/2008	10	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SG-2-10	11/3/2008	10	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--
SG-3-10	11/3/2008	10	**1,700**	**1,200**	<100	**3.1**	<1.0	**17**	**44**	<10	--	--	--

Table 2. Soil Analytical Data - Shell-branded Service Station, 1601 Webster Street, Alameda, California

Sample ID	Depth (fbg)	Date	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	TOG (mg/kg)
Site Investigation 2005																
S-2-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
S-3-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
S-4-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
S-5-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
S-6-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
S-7-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-9-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-10-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-11-5.0	5.0	31-Oct-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-12-5.0	5.0	02-Nov-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-13-5.0	5.0	02-Nov-05	<1.0	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
SB-14-5.0	5.0	02-Nov-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA	NA	NA	NA
Subsurface Investigation 2004																
SB-1-5'	5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-1-6.5'	6.5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA

Table 2. Soil Analytical Data - Shell-branded Service Station, 1601 Webster Street, Alameda, California

Sample ID	Depth (fbg)	Date	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	TOG (mg/kg)
SB-2-5'	5	01-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-2-6.5'	6.5	01-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.011	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-3-5'	5	01-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-3-6.5'	6.5	01-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-4-5'	5	02-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-4-6.5'	6.5	02-Dec-04	<50	<0.50	<0.50	<0.50	<0.50	1.5	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	NA
SB-5-5'	5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-5-6.5'	6.5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-6-5'	5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-6-6.5'	6.5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-7-5'	5	30-Nov-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-7-6.5'	6.5	30-Nov-04	6.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-8-5'	5	02-Dec-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-8-6.5'	6.5	02-Dec-04	740	<1.0	5.9	17	83	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	53	NA
SB-9	N/A	No sample due to refusal at 3 fbg.														
SB-10	N/A	No sample due to refusal at 3 fbg.														
Upgrade Soil Sampling 2004																
P-1-3'	3.0	11-Aug-08	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
P-2-3'	3.0	10-Aug-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
P-3-3'	3.0	10-Aug-04	1,300	<0.50	<0.50	<0.50	49	<0.50	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. Soil Analytical Data - Shell-branded Service Station, 1601 Webster Street, Alameda, California

Sample ID	Depth (fbg)	Date	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	TOG (mg/kg)
P-4-3'	3.0	10-Aug-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
P-5-3'	3.0	10-Aug-04	<1.0	<0.0050	<0.0050	<0.0050	0.045	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
D-1-2'	2.0	10-Aug-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
D-2-2'	2.0	10-Aug-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
Upgrade Soil Sampling 1997																
D-1	5.0	27-Aug-97	10,000	<5.0	12	81	700	<25	NA	NA	NA	NA	NA	NA	NA	NA
D-2	5.0	27-Aug-97	11,000	6.3	7.8	96	440	<25	NA	NA	NA	NA	NA	NA	NA	NA
D-2	10.0	27-Aug-97	760	2.4	4.1	10	66	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-1	5.0	27-Aug-97	140	<0.25	0.91	0.82	5.9	<1.2	NA	NA	NA	NA	NA	NA	NA	NA
P-2	5.0	27-Aug-97	3,600	1.9	1.9	36	220	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-3	5.0	27-Aug-97	1,700	<1.2	<1.2	4	23	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-4	5.0	27-Aug-97	230	<0.25	<0.25	1.2	3.4	<1.2	NA	NA	NA	NA	NA	NA	NA	NA
Monitoring Well Installation 1993																
BH-J-5.5' (MW-3)	5.5	19-Feb-93	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-J-10' (MW-3)	10.0	19-Feb-93	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
Subsurface Investigation 1992																
BH-C-5.5'	5.5	12-Oct-92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-C-11'	11.0	12-Oct-92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30

Previous Case RO1042

Table 1. Soil Analytical Data - Shell-branded Service Station, 1601 Webster Street, Alameda, California

Sample ID	Depth (fbg)	Date	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
Site Investigation 2006														
S-4B-6.0	6.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-11.0	11.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	**0.56**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-16.0	16.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	**0.30 ***	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-19.5	19.5	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	**0.31 ***	**0.13 ***	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-8-8.0	8.0	17-Jul-06	**3700**	**1.0**	<0.25	**90**	**310 ***	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-8-11.5	11.5	17-Jul-06	<50	<0.25	<0.25	**0.89**	**2.5**	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-9-5.0	5.0	17-Jul-06	**110**	<0.25	<0.25	**2.0**	**3.5**	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-9-11.5	11.5	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	**0.010**	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050

Notes and Abbreviations:

fbg = feet below grade

mg/kg = milligrams per kilogram

<x = Not detected at reporting limit x

All constituents analyzed by EPA Method 8260B

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary-butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = Ethylene dibromide

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	Non-Polar O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	TPH Jet Fuel (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	1,1,1-Trichloroethane (mg/kg)	VOCs (mg/kg)	HVOCs (mg/kg)	Chlorinated Hydrocarbons (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)	PNAs (mg/kg)	PCP (mg/kg)	Creosote (mg/kg)	PCBs (mg/kg)
P-3-3'	8/10/2004	3	---	---	---	---	1,300	---	<0.50	<0.50	<0.50	49	<0.50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-4-3'	8/10/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-5-3'	8/10/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	0.045	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-1-2'	8/10/2004	2	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2-2'	8/10/2004	2	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-1-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-1-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-2-5'	12/1/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-2-6.5'	12/1/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.011	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-3-5'	12/1/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-3-6.5'	12/1/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-4-5'	12/2/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-4-6.5'	12/2/2004	6.5	---	---	---	---	<50	---	<0.50	<0.50	<0.50	<0.50	1.5	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-5-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-5-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-6-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-6-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-7-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-7-6.5'	11/30/2004	6.5	---	---	---	---	6.2	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-8-5'	12/2/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-8-6.5'	12/2/2004	6.5	---	---	---	---	740	---	<1.0	5.9	17	83	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	53	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-2-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-3-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-4-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-6-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-7-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-9-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-10-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-11-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-12-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-13-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-14-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WO-1-5 * CRA 24047 (15)	5/25/2006	5	61 i	---	---	5.4 k	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	ND 1	<0.500	26.4	2.24	18.1	16.6	ND	<2.5	<0.40	<0.50

* unable to verify

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	Non-Polar O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	TPH Jet Fuel (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	1,1,1-Trichloroethane (mg/kg)	VOCs (mg/kg)	HVOCs (mg/kg)	Chlorinated Hydrocarbons (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)	PNAs (mg/kg)	PCP (mg/kg)	Creosote (mg/kg)	PCBs (mg/kg)

Cr = Chromium analyzed by EPA Method 6010B
Pb = Lead analyzed by EPA Method 6010B
Ni = Nickel analyzed by EPA Method 6010B
Zn = Zinc analyzed by EPA Method 6010B
PNAs = Polynuclear aromatics analyzed by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents
PCP = Pentachlorophenol analyzed by EPA Method 8270C
Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.
PCBs = Polychlorinated biphenyls analyzed by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents
fbg = Feet below grade
mg/kg = Milligrams per kilogram
<x = Not detected at reporting limit x
--- = Not analyzed
ND = Not detected
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL
Shading indicates that soil sample location was subsequently excavated; results are not representative of residual soil.

a = Analyzed by EPA Method 8015
b = Analytical method unknown
c = Analyzed by EPA Method 3550
d = Analyzed by APHA Standard Method 503 D&E
e = Methylene chloride detected at 0.0017 mg/kg. No other constituents detected.
f = Methylene chloride detected at 0.0072 mg/kg. No other constituents detected.
g = Methylene chloride detected at 0.070 mg/kg. No other constituents detected.
h = Only chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene analyzed.
i = Analyzed by EPA Method 8020
j = Analyzed by EPA Method 1664 A (Modified)
k = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.
l = Analyzed by EPA Method 8260B
m = The concentration indicated for this analyte is an estimated value above the calibration range on the instrument.
n = San Francisco Bay Regional Water Quality Control Board commercial/industrial ESL for soil where groundwater is a potential source of drinking water (Tables A and C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008] - Updated December 2013).

Shell-branded Service Station

1601 Webster Street
Alameda, California
Incident No.97564701

CAMBRIA

Site Plan/Historical Sample Location Map

FIGURE 2

G:\ALAMEDA 1601 WEBSTER\FIGURES\SITE PLAN 5-05.DWG

01/15/06

O:\ALAMEDA 1601 WEBSTER\FIGURES\X-SECT A-A'.DWG

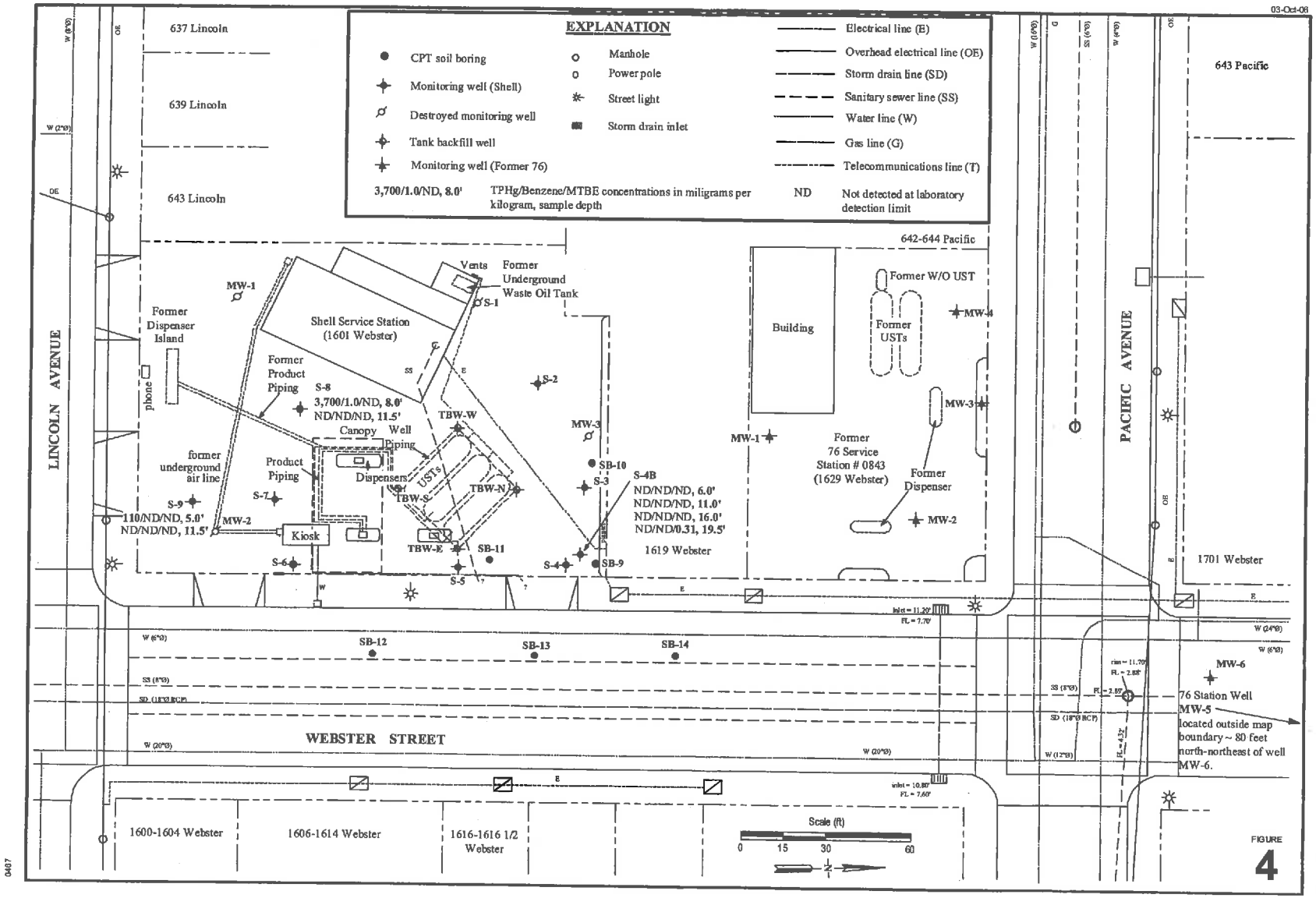
FIGURE **6**

Shell-branded Service Station
1601 Webster Avenue
Alameda, California
Incident No.97564701

C A M B R I A

Geologic Cross Section A-A'/
Utility Location and Depth Map

01/24/06



Soil Chemical Concentration Map
(July 2006)

CAMBRIA

Shell-branded Service Station
1601 Webster Street
Alameda, California

ATTACHMENT 6

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

9-7-04

Certified Mail # 7002 2030 0006 9574 0672
September 3, 2004

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Notice of Responsibility

Record ID: RO0002745
Shell #13-5032
1601 Webster St.
Alameda, CA 94501

SITE

Date First Reported: 8-19-04
Substance: Gasoline
Funding (Federal or State): F
Multiple RPs?: N

Karen Petryna
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810

Responsible Party (RP)
Property Owner

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified Shell Oil Products US as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5700.

Pursuant to section 25299.37(c) (7) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact Barney Chan, Hazardous Materials Specialist, at this office at (510) 567-6765 for further information about the site designation process.

Date: 9/2/04

Ariu Levi, Chief
Contract Project Director

Please Circle One (Add) Delete Change
Reason: New Case

c: Jenniffer Jordan, SWRCB
Barney Chan, Hazardous Materials Specialist
D. Drogos

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 23, 2015

Shell Oil Products
20945 S. Wilmington Ave.
Carson, CA 90810
Attn.: Deborah Pryor
(Sent via E-mail to: deborah.pryor@shell.com)

Mr. Hung Trihn
1601 Webster Street
Alameda, CA 94501

Subject: Notice of Responsibility for Fuel Leak Case No. RO0002745 and GeoTracker Global ID T0600137103, Shell #13-5032, 1601 Webster St., Alameda, CA 94501

Dear Responsible Parties:

In a Notice of Responsibility dated September 3, 2004, Shell Oil Products US was notified that the above referenced site had been placed in the Local Oversight Program and was named as a Responsible Party for the fuel leak case. Mr. Hung Trihn has been named as additional Responsible Party for the fuel leak case as defined under 23 C.C.R Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

If you have any questions, please call me at (510) 567-6764 or send me an electronic mail message at keith.nowell@acgov.org.

Sincerely,

Digitally signed by Keith Nowell
DN: cn=Keith Nowell, o=Alameda County, ou=Department of Environmental Health, email=keith.nowell@acgov.org, c=US
Date: 2015.10.23 12:55:13 -07'00'

Keith Nowell, PG, CHG
Hazardous Materials Specialist

Attachment A – Responsible Parties Data Sheet

cc: Aubrey Cool, AECOM, 1333 Broadway, Suite 800, Oakland, CA 94612 (sent via e-mail to *Aubrey.Cool@aecom.com*)

Dilan Roe, ACEH, (sent via e-mail to *dilan.roe@acgov.org*)
Keith Nowell, ACEH, (sent via e-mail *keith.nowell@acgov.org*)
Geotracker, Electronic File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #: 7009 2820 0001 4359 8532

October 23, 2015

NOTICE OF RESPONSIBILITY

Site Name & Address:
SHELL #13-5032
1601 WEBSTER STREET
ALAMEDA, CA 94501

Local ID: RO0002745
Related ID: NA
RWQCB ID: NA
Global ID: T0600137103

Responsible Party:

HUNG TRINH
1601 WEBSTER STREET
ALAMEDA, CA 94501

Date First Reported: 8/19/2004
Substance: • Gasoline-Automotive (motor gasoline and additives), unleaded
Funding for Oversight: LOPS - LOP State Fund
Multiple RPs?: Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified HUNG TRINH as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker KEITH NOWELL at this office at (510) 567-6764 if you have questions regarding your site.

Ronald A Browder Date: 10-23-2015

RONALD BROWDER, Acting Director
Contract Project Director

Action: Update
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

October 23, 2015

Site Name & Address:

SHELL #13-5032
1601 WEBSTER STREET
ALAMEDA, CA 94501

Local ID:	**RO0002745**
Related ID:	**NA**
RWQCB ID:	**NA**
Global ID:	**T0600137103**

All Responsible Parties

RP has been named a Primary RP – HUNG TRINH
1601 WEBSTER STREET | ALAMEDA, CA 94501 | 510 / 523 - 0191

RP has been named a Primary RP – SHELL OIL PRODUCTS US
ATTN: DEBORAH PRYOR
20945 S. WILMINGTON AVE. | CARSON, CA 90810 | 310 / 5505846

Responsible Party Identification Background

Alameda County Environmental Health (ACEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party 4 ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

Existence of Unauthorized Release

In August 2004, one of the 10,000-gallon gasoline underground storage tanks (USTs) was damaged during a fuel system upgrade. An estimated 2,048 gallons of free phase product were released from the damage UST. Subsequent soil and groundwater investigations reported maximum petroleum hydrocarbon concentrations in soil of 3,700 milligrams per kilogram (mg/Kg) total petroleum hydrocarbons as gasoline (TPH-g). Groundwater was reported to include concentrations of 160,000 micrograms per liter (ug/L) TPH-g, 700 ug/L benzene and 2,900 ug/L methyl tertiary butyl ether (MTBE). These concentrations indicate an unauthorized release has occurred from the underground storage tank system at this site.

Responsible Party Identification

Equilon Enterprises LLC, doing business as Shell Oil Products US ("Shell"), acquired title of the property in July 1998. Through mergers and acquisitions, Chevron acquired Union Oil. Shell Oil Products US meets the definition of a responsible party for the site because it owned or operated underground storage tanks used for the storage of any hazardous substance (Definition 1), owned the property where an unauthorized release occurred (Definition 3), and had control over underground storage tanks at the time of or following an unauthorized release of a hazardous substance (Definition 4).

Mr. Hung Trinh, acquired title of the property in May 2014. Mr. Hung Trinh meets the definition of a responsible party for the site because he owns or operates underground storage tanks used for the storage of any hazardous substance (Definition 1), owns the property where an unauthorized release occurred (Definition 3), and has control over underground storage tanks at the time of or following an unauthorized release of a hazardous substance (Definition 4).

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

New Query

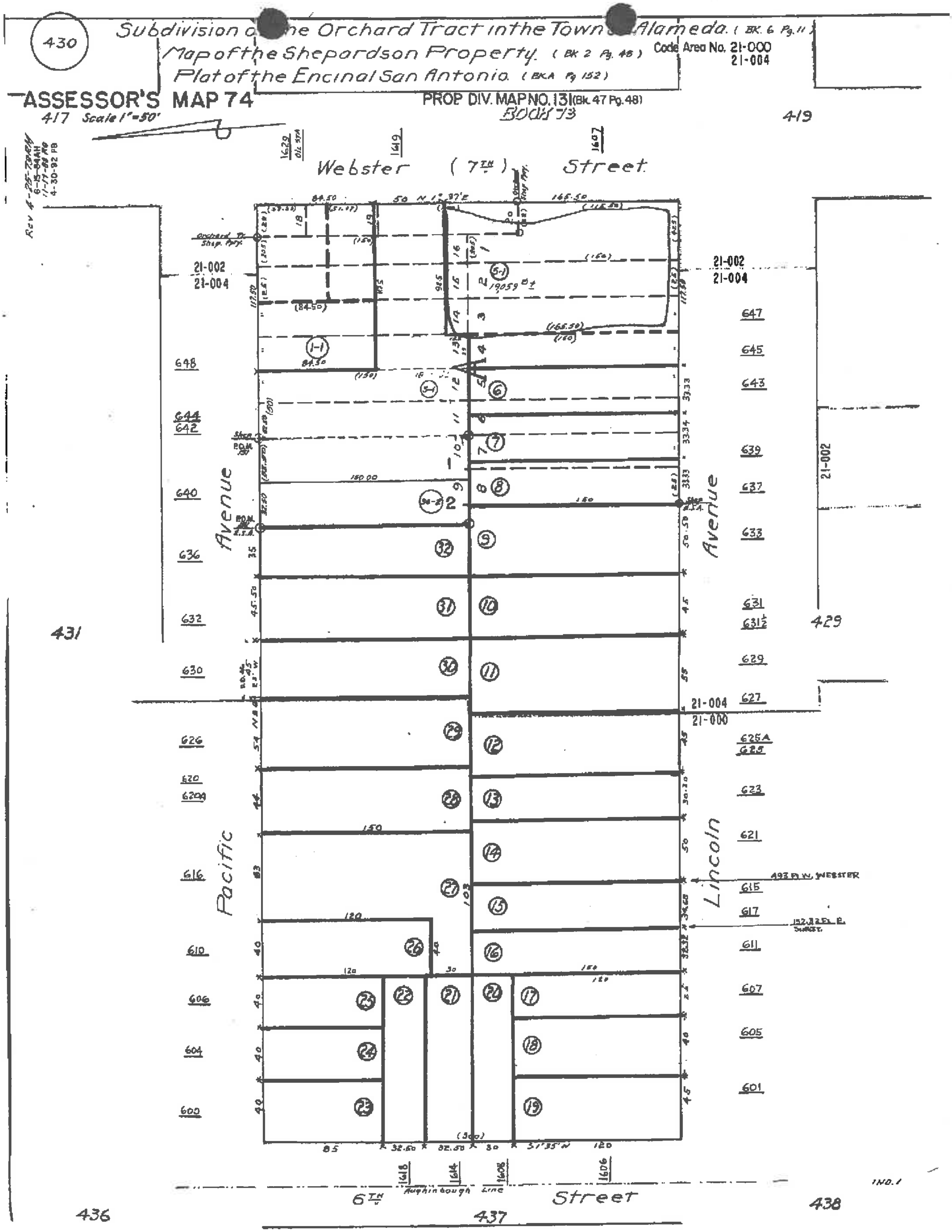
History | Value | Transfer | Map | Glossary

Parcel Number:**74-430-5-1** Inactive:**N** Lien Date:**01/01/2016** Owner:**TRINH HUNG**
Property Address: **1607 WEBSTER ST, ALAMEDA, CA 94501**
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
TRINH HUNG	List Owners	1601 WEBSTER ST , ALAMEDA, CA 94501-2133	05/30/2014	2014-131327		1	8500
TRINH HUNG	List Owners	1601 WEBSTER ST , ALAMEDA, CA 94501-2133	05/30/2014	2014-131326		1	8500
EQUILON ENTERPRISES LLC c/o STEWART TITLE CO	List Owners	1980 POST OAK BLVD # 110, HOUSTON, TX 77056	07/17/1998	1998-252223		41	8500
SHELL OIL COMPANY c/o SHELL OIL TX DEPT	List Owners	PO BOX 2099 , HOUSTON, TX 77252	08/20/1987	1987-232909		2	8500

All information on this site is to be assumed accurate for property assessment purposes only, and is based upon the
Assessor's knowledge of each property. Caution is advised for use other than its intended purpose.

The Alameda County Intranet site is best viewed in Internet Explorer Version 5.5 or later.
Click here for more information regarding supported browsers.


430
Subdivision of the Orchard Tract in the Town of Alameda. (BK. 6 Pg. 11)
Map of the Shepardson Property. (BK 2 Pg. 48)
Plat of the Encinal San Antonio. (BKA Pg 152)
Code Area No. 21-000
21-004
ASSESSOR'S MAP 74
417 Scale 1"=50'
PROP DIV. MAP NO. 131 (Bk. 47 Pg. 48)
BOOK 73
419
Webster (7TH) Street
Pacific Avenue
Lincoln Avenue
6TH Street
Aughinbaugh Line
21-002
21-004
21-000
431
429
436
437
438
493 Ft W. WEBSTER
152.32 Ft E. SURVEY
19059 Sf
648
644
642
640
636
632
630
626
620
620A
616
610
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604
600
647
645
643
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627
625A
625
623
621
615
617
611
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601
1622
1619
1607
1618
1614
1608
1606

Facility/Site

Shell of Alameda
1601 WEBSTER ST
ALAMEDA, CA 94501

CERS ID
10188297

Submittal Status

Submitted on 10/20/2015 by *Gina Pimentel* of ALAMEDA SHELL (CUPA) (ALAMEDA, CA)
Submittal was ***Accepted***; Processed on 2/2/2016 by *Garcia-LaGrille, Roseanna* for Alameda County Environmental Health

Type of Action

Confirmed/Updated Information

Facility Information

Shell of Alameda
1601 WEBSTER ST
ALAMEDA, CA 94501

Facility Type
Motor Vehicle Fueling

Board of Equalization Account Number
44050557

Is the facility located on Indian Reservation/Trust lands?
No

Tank Operator

Shell of Alameda
(510) 205-4193
1601 Webster Street
Alameda, CA 94501

Property Owner

Sam Hung Trinh
(510) 205-4193
1601 Webster Street
Alameda, CA 94501

Tank Owner

Sam Hung Trinh
(510) 205-4193
1601 Webster Street
Alameda, CA 94501

Tank Owner Type
Non-Government

Permit Holder Information

Permit Holder Notification Information
Facility Owner

Supervisor of Division, Section, or Office (Required for Public Agencies Only)

Financial Responsibility Mechanism(s)

Indicate which approved mechanism(s) are being used to show financial responsibility either as contained in the federal regulations (40 CFR, Part 280, Subpart H, Sections 280.93 through 280.107) or CCR, Title 23, Division 3, Chapter 18, Section 2808.1.

Self-Insured	Surety Bond	State Fund and CFO Letter	Other Mechanism
Guarantee	Letter of Credit	State Fund and CD	
Insurance Yes	Exemption	Local Government Mechanism	

ATTACHMENT 7

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Acting Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 5, 2016

Ms. Deborah Prior
Shell Oil products
20945 S. Wilmington Ave.
Carson, CA 90810
(*Sent via E-mail to:*
deborah.pryor@shell.com)

Mr. Sam Tranh
1601 Webster Street
Alameda, CA 94501

Subject: Notification of Invitation to Comment for Case Closure Consideration for Fuel Leak Case No. RO0002745 and GeoTracker Global ID T0600137103, Shell #13-5032, 1601 Webster St., Alameda, CA 94501

Dear Ms. Prior and Mr. Tranh:

Alameda County Environmental Health (ACEH) is considering the above referenced site for potential case closure. As you are aware, site investigations and groundwater monitoring for underground storage tank leaks has been performed at the subject property to which you are named as the primary or active responsible parties.

The site appears to meet all of the criteria in the State Water Resources Control Board Low-Threat Closure Policy. Therefore, ACEH is considering closure of the fuel leak case. Due to the residual contamination on site, the site would be closed to it's current land use as an active fueling station with site management requirements that require further evaluation if the site is to be redeveloped in the future to a more conservative land use.

Public Participation

Public participation is a requirement for the case closure process. In order to notify potentially affected members of the public of the potential fuel leak case closure, an *Invitation to Comment - Potential Case Closure* will be distributed to addresses in the immediate vicinity. The *Invitation to Comment - Potential Case Closure* requests that landowners or residents submit any comments or questions to ACEH regarding potential case closure. ACEH will consider all comments from the public prior to potential case closure.

ACEH prepared a contact list for the public notification mailing. Included in the mailing list are the adjacent property, potentially affected sensitive receptors, and those who may be affected by the contaminant plume. Both occupants and property owners of these properties have been included on the contact list. Additionally, appropriate agencies have been included on the contact list.

The start date of the public notification is May 9, 2016. The anticipated end date for the public notification period is **July 8, 2016.** Comments **received by July 8, 2016** will be considered and responded to prior to a final determination on the proposed case closure.

Request for Monitoring Well Destruction Schedule and Waste Removal

Local Oversight Programs are required by the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP) to issue a uniform closure letter within 30 days from the end of the public comment period and completion of associated tasks (report of monitoring well destruction and waste removal) for case closures. If no comments have been received midway through the notification period, ACEH typically issues a letter requesting scheduling of well destruction for 2 weeks following the end of the comment period. Then, after written ACEH concurrence (email or other) that there have been no comments of significance, you would be free to proceed with well destruction and remove any remaining investigation, remediation, and well destruction derived waste from the site.

ACEH will request the well destruction in a separate letter following the successful conclusion of the public notification period.

Should you have any questions, please contact me at (510) 567--6764 or send me an electronic mail message at keith.nowell@acgov.org.

If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Keith Nowell

Digitally signed by Keith Nowell
DN: cn=Keith Nowell, o, ou, email=keith.nowell@acgov.org, c=US
Date: 2016.05.03 08:42:40 -07'00'

Keith Nowell, PG, CHG
Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements/Obligations and Electronic Report Upload (ftp) Instructions

Attachment 2 – *Invitation to Comment - Potential Case Closure* Notification

Attachment 3 – Public Notification Distribution List

cc: Sara Heikkila, AECOM, 915 Wilshire Blvd, Suite 700, Los Angeles, CA 90017, (*sent via electronic mail to e-mail: Sara.Heikkila@aecom.com*)

Dilan Roe, ACEH, (sent via e-mail to *dilan.roe@acgov.org*)
Keith Nowell, ACEH, (sent via e-mail *keith.nowell@acgov.org*)
Geotracker, Electronic File

ATTACHMENT 2

Invitation to Comment – Potential Case Closure

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Acting Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

SHELL #13-5032
1601 WEBSTER STREET, ALAMEDA, CA 94501
FUEL LEAK CASE NO. RO0002745
GEOTRACKER GLOBAL ID T0600137103

May 9, 2016

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Environmental Health (ACEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank system. Site investigation and cleanup activities have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-Threat Closure Policy. Therefore, ACEH is considering closure of the fuel leak case. Due to the residual contamination on site, the site would be closed with site management requirements that require further evaluation if the site is to be redeveloped in the future to a more conservative land use.

The public is invited to review and comment on the potential closure of the fuel leak case. This notice is being sent to the current occupants and landowners of the site and adjacent properties and other known interested parties. The entire case file can be viewed over the Internet on the ACEH website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Please send written comments to Keith Nowell at the address below; all comments will be forwarded to the responsible parties. Comments **received by July 8, 2016** will be considered and responded to prior to a final determination on the proposed case closure.

If you have comments or questions regarding this site, please contact the ACEH caseworker, Keith Nowell at (510) 567- 6764 or by email at keith.nowell@acgov.org. Please refer to ACEH case RO0002745 in any correspondence.

ATTACHMENT 3

Mailing List

1700 WEBSTER STREET LLC
PARCEL #: 73-417-12-1
PO BOX 2784
WALNUT CREEK CA 94595-0784

ALAMEDA HOSPITALITY LLC
PARCEL #: 73-418-4-1
1628 WEBSTER ST
ALAMEDA CA 94501-2134

ALDRICH SUSAN
PARCEL #: 74-431-9
617 B PACIFIC AVE
ALAMEDA CA 94501-2174

BARRETO ROLDAN A & NERISSA P
PARCEL #: 74-430-32
636 PACIFIC AVE
ALAMEDA CA 94501-2127

CAMPOS JOSE J & SOCORRO
PARCEL #: 74-430-3-1
1438 39TH AVE
OAKLAND CA 94601-4122

CASE STEVEN C & VERONICA K TRS
PARCEL #: 73-419-36
1426 UNION ST
ALAMEDA CA 94501-2642

CHAN LILY & NORMAN M
PARCEL #: 74-431-8
621 PACIFIC AVE
ALAMEDA CA 94501-2126

CHIN SABRINA
PARCEL #: 73-417-8
1121 ROSEWOOD WAY
ALAMEDA CA 94501-5635

CHO WOON J
PARCEL #: 73-418-15
1600 WEBSTER ST
ALAMEDA CA 94501-2134

CHUNG TRU C & CUC T TRS
PARCEL #: 73-417-10
1715 ARBOR ST
ALAMEDA CA 94501-1216

CITY OF ALAMEDA
PARCEL #: 74-431-6
2263 SANTA CLARA AVE
ALAMEDA CA 94501-4477

CORPUZ CHRIS & VALERIE
PARCEL #: 74-430-31
632 PACIFIC AVE
ALAMEDA CA 94501-2127

DDJ PROPERTY HOLDING INC
PARCEL #: 73-417-1
2501 NORTH MAIN ST
WALNUT CREEK CA 94597-3122

DDJ PROPERTY HOLDING INC
PARCEL #: 73-417-15
2501 NORTH MAIN ST
WALNUT CREEK CA 94597-3122

ELDERS INN LLC & ELDERS INN ON WEBSTE
PARCEL #: 74-431-3
1721 WEBSTER ST
ALAMEDA CA 94501-2135

ELDERS INN LLC & ELDERS INN ON WEBSTE
PARCEL #: 74-431-2-2
1721 WEBSTER ST
ALAMEDA CA 94501-2135

ELDERS INN LLC & ELDERS INN ON WEBSTE
PARCEL #: 74-431-2-1
1721 WEBSTER ST
ALAMEDA CA 94501-2135

ELDERS INN LLC & ELDERS INN ON WEBSTE
PARCEL #: 74-431-2-3
1721 WEBSTER ST
ALAMEDA CA 94501-2135

FRANKLIN DAVID L & SUSAN A
PARCEL #: 73-417-2
38632 FULLER DR
PALM DESERT CA 92260-1231

FRANKLIN DAVID L & SUSAN A
PARCEL #: 73-417-4
38632 FULLER DR
PALM DESERT CA 92260-1231

FRANKLIN DAVID L & SUSAN A
PARCEL #: 73-417-3
38632 FULLER DR
PALM DESERT CA 92260-1231

GENTRY BRIAN & MELINDA
PARCEL #: 74-431-17
617 PACIFIC AVE #F
ALAMEDA CA 94501-2174

HOOPES BLAINE C
PARCEL #: 74-430-30
630 PACIFIC AVE
ALAMEDA CA 94501-2127

HOYE SALLY J
PARCEL #: 74-431-13
617 PACIFIC AVE #A
ALAMEDA CA 94501-2174

HUANG TERRI L
PARCEL #: 73-417-5-1
230 KINGFISHER AVE
ALAMEDA CA 94501-3996

KEENAN THOMAS E III & JACQUELINE U TRS
PARCEL #: 74-431-14
617 PACIFIC AVE
ALAMEDA CA 94501-8209

KOKA SAM & MICHELLE J TRS
PARCEL #: 74-430-1-1
802 PACIFIC AVE
ALAMEDA CA 94501-2254

LAU PETER K & MIRASOL Y
PARCEL #: 74-430-6
643 LINCOLN AVE
ALAMEDA CA 94501-3323

LEAHY BARBARA TR
PARCEL #: 74-431-15
613 PACIFIC AVE
ALAMEDA CA 94501-2126

LEE SHUN M & LUCIA L
PARCEL #: 74-430-7
639 LINCOLN AVE
ALAMEDA CA 94501-3323

MA CHARLIE
PARCEL #: 73-418-17
1616 WEBSTER ST
ALAMEDA CA 94501-2134

MAK WAN TR
PARCEL #: 74-431-29
625 PACIFIC AVE
ALAMEDA CA 94501-2126

MELLOR CORDULA & CORDULA
PARCEL #: 74-431-30
627 PACIFIC AVE
ALAMEDA CA 94501-2126

OCCUPANT
PARCEL #: 74-429-2
1543 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-429-1
1545 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-430-5-1
1607 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-430-34-2
640 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-430-3-1
1619 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-430-1-1
650 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-419-36
1548 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-4
1711 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-418-16
1610 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-5
643 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-6
635 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-16
617 PACIFIC AVE #G
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-9
617 PACIFIC AVE #B
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-3
1715 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-2-2
1725 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-27-2
1727 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-27-3
640 BUENA VISTA AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-1
1720 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-2
706 BUENA VISTA AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-4
714 BUENA VISTA AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-5-1
718 BUENA VISTA AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-15
1716 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-8
729 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-7
1717 CONCORDIA ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-3
710 BUENA VISTA AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-12-1
1700 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 73-417-10
709 PACIFIC AVE
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-2-1
1719 WEBSTER ST
ALAMEDA CA 94501

OCCUPANT
PARCEL #: 74-431-2-3
1719 WEBSTER ST
ALAMEDA CA 94501

OWYANG JULIA S TR
PARCEL #: 74-429-1
1050 ROSEWOOD WAY
ALAMEDA CA 94501-5634

PUCCI JOSEPH R & NAMKHAM UTUMPORN
PARCEL #: 73-417-9
713 PACIFIC AVE
ALAMEDA CA 94501-2128

RATTO THOMAS B & DIANE V TRS & CANEPA
PARCEL #: 73-417-7
PO BOX 2462
ARNOLD CA 95223-2462

SAYON DORIS M & CHARLES F TRS
PARCEL #: 74-430-8
637 LINCOLN AVE
ALAMEDA CA 94501-3323

TIMBER DELL PROPERTIES LLC
PARCEL #: 74-431-4
1406 WEBSTER ST
ALAMEDA CA 94501-3825

TIMBER DELL PROPERTIES LLC &
PARCEL #: 74-431-5
1406 WEBSTER ST
ALAMEDA CA 94501-3825

TRINH HUNG
PARCEL #: 74-430-5-1
1601 WEBSTER ST
ALAMEDA CA 94501-2133

VOISENAT MARC & NILDA TRS
PARCEL #: 74-431-16
536 PALACE CT
ALAMEDA CA 94501-3733

WONG RODNEY & SHARON
PARCEL #: 74-430-34-2
619 HAIGHT AVE
ALAMEDA CA 94501-3309

XING YI K & YI W
PARCEL #: 73-417-14-1
1712 WEBSTER ST
ALAMEDA CA 94501-2136

YEUNG SONIA
PARCEL #: 73-418-16
988 FRANKLIN ST #902
OAKLAND CA 94607-4223

YOUNG LOUISE J TR
PARCEL #: 74-431-27-2
5574 BERWIND AVE
LIVERMORE CA 94551-1248

YOUNG LOUISE J TR
PARCEL #: 74-431-27-3
5574 BERWIND AVE
LIVERMORE CA 94551-1248

YUN LAN H TR
PARCEL #: 74-429-2
1701 OTIS DR
ALAMEDA CA 94501-5627

BOB HAUN
CITY OF ALAMEDA PUBLIC WORKS
950 W. MALL SQUARE
ALAMEDA CA 94501

CHANDRA JOHANNESSON
EBMUD INDUST DISCHRG SECT
P.O. BOX 24055 MS 702 OAKLAND
CA 94623-1055

ANDREW THOMAS
CITY OF ALAMEDA PLANNING
AND BUILDING DEPT
2263 SANTA CLARA AVENUE
ALAMEDA CA 94501

LAURENT MEILLIER
SF BAY RWQCB
1515 CLAY STREET SUITE 1400
OAKAND CA 94612