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

May 2, 2016

Andrea Wing
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039
(*Sent via E-mail to: andrea.wing@shell.com*)

Douglas and Mary Safreno (*Sent via E-mail to: dmsafreno@sbcglobal.net*)
1627 Vineyard Avenue
Pleasanton, CA 94566-6389

Subject: Case Closure for Fuel Leak Case No. RO0000360 and GeoTracker Global ID T0600101259, Shell#13-5782, 4212 First Street, Pleasanton, CA 94566

Dear Ms. Wing and Mr. and Ms. Safreno:

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 Department of Environmental Health (ACDEH) 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).

If you have any questions, please call Anne Jurek at (510) 567-6721. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
LOP and SCP Program Manager

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

cc with enclosure:

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566
(*Sent via E-mail to: dstefani@lpfire.org*)

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

Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

Susan Hugo, Alameda County Environmental Health, (Sent via e-mail to: susan.hugo@acgov.org)

Mark Cameron, (*Sent via E-mail to: mark.cameron@msrlegal.com*)

Dilan Roe, ACEH (Sent via e-mail to: dilan.roe@acgov.org)

Anne Jurek, ACDEH (Sent via e-mail to: anne.jurek@acgov.org)

Case Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Acting Director

DEPARTMENT OF ENVIRONMENTAL
HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502

REMEDIAL ACTION COMPLETION CERTIFICATION

May 2, 2016

Andrea Wing
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039
(*Sent via E-mail to: andrea.wing@shell.com*)

Douglas and Mary Safreno (*Sent via E-mail to: dmsafreno@sbcglobal.net*)
1627 Vineyard Avenue
Pleasanton, CA 94566-6389

Subject: Case Closure for Fuel Leak Case No. RO0000360 and GeoTracker Global ID T0600101259, Shell#13-5782, 4212 First Street, Pleasanton, CA 94566

Dear Responsible Parties:

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
Acting Director

UST Case Closure Summary Form

Agency Information Date: May 2, 2016

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6721
Staff Person: Anne Jurek	Title: Professional Technical Specialist II

Case Information

Facility Name: Shell #13-5782		
Facility Address: 4212 First Street, Pleasanton, CA 94566		
RB LUSTIS Case No: ----	Local Case No.: ----	LOP Case No.: RO0000360
URF Filing Date:	GeoTracker Global ID: T0600101259	
APN: 94-95-25-3	Current Land Use: Active fueling station	
Responsible Party(s):	Address:	Phone:
Andrea A. Wing Shell Oil Products US	20945 S. Wilmington Ave. Carson, CA 90810-1039	(714) 731-1050
Douglas and Mary Safreno	1627 Vineyard Avenue Pleasanton, CA 94566-6389	

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
1	10,000	Gasoline	Removed	05/1986
2	10,000	Gasoline	Removed	05/1986
3	10,000	Gasoline	Removed	05/1986
4	10,000	Gasoline	Removed	05/1986
5	550	Waste Oil	Removed	06/2006

Attachment 1, Conceptual Site Model (3 pages)

Attachment 2, Low Threat Closure Policy (LTCP) Checklist (1 page)

Attachment 3, LTCP Groundwater Specific Criteria (1 page)

Attachment 4, LTCP Vapor Specific Criteria (1 page)

Attachment 5, LTCP Direct Contact and Outdoor Air Exposure Criteria (1 page)

Attachment 6, Site Map(s) (5 pages)

Attachment 7, Analytical Data (19 pages)

Attachment 8, Hydrographs and Cross Sections (6 pages)

UST Case Closure Summary Form

Additional Information:

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation and the current land use as an active commercial petroleum fuel facility, no site management requirements appear to be necessary.

RWQCB Notification Notification Date: May 2, 2016

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Anne Jurek	Title: Professional Technical Specialist II
Signature:	Date: 5/2/2016
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature:	Date: 5/2/2016

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 (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). 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 ACEH website.

ATTACHMENT 1

CSM Report Go

SHELL #13-5782 (T0600101259) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

4212 1ST
PLEASANTON , CA 94566
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT

PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000360*
CASEWORKER: *ANNE JUREK* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1364*
CASEWORKER: *Regional Water Board* - ***SUPERVISOR:*** *NONE SPECIFIED*

CUF Claim #: 5038 **CUF Priority Assigned:** D **CUF Amount Paid:** $0

THIS PROJECT WAS LAST MODIFIED BY ***ANNE JUREK*** ON 5/2/2016 1:38:41 PM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

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
5038	D	EQUILON ENTERPRISES, LLC, ASSIGNEE 20945 WILMINGTON AVE S, CARSON CA 90810	4226 1ST ST PLEASANTON, CA 94566								

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 #13-5782 (Global ID: T0600101259) 4212 1ST PLEASANTON, CA 94566	Open - Eligible for Closure	9/16/2015	1/12/1986	30	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000360* ***CASEWORKER:*** *ANNE JUREK* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1364* ***CASEWORKER:*** *Regional Water Board* - ***SUPERVISOR:*** *NONE SPECIFIED*

STAFF NOTES (INTERNAL)
The site address was corrected to 4212 First Street on 2010-03-02. Historical correspondence refers to 4226 First Street, which is an adjacent parcel also owned by Douglas and Mary Safreno. The service station is on parcel 94-95-25-3, which has the 4212 First Street address.

SITE HISTORY
The site is an active Shell-branded service station located at the corner of First Street and Vineyard Avenue in a mixed residential and commercial area of Pleasanton,

CA. A plume of petroleum hydrocarbons and fuel oxygenates is present beneath the northern portion of the site extending north beneath Vineyard Avenue. Site investigation, cleanup, and groundwater monitoring activities have been completed and the case has been closed under the Low Threat Closure Policy.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
ANDREA A. WING	SHELL OIL PRODUCTS US	20945 S. WILMINGTON AVENUE	CARSON	andrea.wing@shell.com
DOUGLAS E & MARY M SAFRENO	NA	1627 VINEYARD AVE	PLEASANTON	

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
DUAL PHASE EXTRACTION	3/25/2013	4/25/2013	Soil Vapor	144 Pounds	A petroleum hydrocarbon mass mass removal event was conducted in March and April 2013. During the event, air sparging was conducted into ten sparging wells and soil vapor and dual-phase extraction was conducted using several extraction wells.
IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)	1/5/2009	1/12/2009	Water	286 Pounds	DPE PILOT TEST

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		1/12/1986	Other Means	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	City of Pleasanton; however, groundwater in the area is used for drinking water	11/18/2015	4/15/2016	8/10/2015		8/10/2015

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN
094 009502503

GW BASIN NAME
Livermore Valley (2-10)

WATERSHED NAME
South Bay - Alameda Creek (204.30)

COUNTY
Alameda

PUBLIC WATER SYSTEM(S)
- **CITY OF PLEASANTON** - P.O. BOX 520, PLEASANTON, CA 94566
- **ZONE 7 WATER AGENCY** - 100 N CANYON PKWY, LIVERMORE, CA 94551-948

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

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
AS-1	9/7/2012	OTHER	ND	ND	ND	ND	10000 UG/L	
EW-1	9/14/2012	OTHER	ND	ND	ND	ND	3.9 UG/L	ND
EW-2	9/14/2012	OTHER	ND	ND	ND	ND	3400 UG/L	670 UG/L
MW-1	4/23/2015	OTHER	140 UG/L	ND	ND	ND	430 UG/L	490 UG/L
MW-1B	4/23/2015	OTHER	ND	ND	ND	ND	ND	ND
MW-2	4/23/2015	OTHER	ND	ND	ND	ND	1800 UG/L	130 UG/L

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
MW-3	4/23/2015	OTHER	ND	ND	ND	ND	0.79 UG/L	ND
MW-4	4/23/2015	OTHER	2.2 UG/L	ND	6.4 UG/L	13 UG/L	46 UG/L	410 UG/L
P-2	9/7/2012	OTHER	580 UG/L	ND	30 UG/L	ND	1800 UG/L	
SVE-5	9/7/2012	OTHER	ND	ND	ND	ND	4900 UG/L	
TB-1	5/14/2003		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
AS-1	8/22/2012		ND	ND	ND	ND	0.76 MG/KG	0.61 MG/KG
CRA-A	8/20/2012		ND	ND	ND	ND		
CRA-B	8/20/2012		ND	ND	ND	ND		
CRA-C	8/20/2012		ND	ND	ND	ND		
CRA-D	8/21/2012		ND	ND	ND	ND		
CRA-E	8/22/2012		ND	ND	ND	ND		
CRA-F	8/22/2012		ND	ND	ND	ND		
D1	2/16/2005		ND	ND	ND	ND	ND	ND
EW-1	8/20/2012		ND	ND	ND	ND	0.0035 MG/KG	0.39 MG/KG
EW-2	8/20/2012		ND	ND	ND	ND	0.094 MG/KG	ND
P-1	8/21/2012		ND	ND	ND	ND	0.0029 MG/KG	0.42 MG/KG
P-2	8/22/2012		0.0098 MG/KG	ND	0.002 MG/KG	ND	0.08 MG/KG	0.29 MG/KG
PG-1	7/20/2006	ND	<50 UG/L	<100 UG/L	<100 UG/L		<100 UG/L	
SVE-5	8/21/2012		ND	ND	ND	ND	0.13 MG/KG	ND
WO-1	6/10/2005		ND	ND	ND	ND	ND	
WO-2	7/20/2006	ND	ND	ND	ND	ND	0.021 MG/KG	ND

MOST RECENT GEO_WELL DATA - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
MW-1	4/23/2015	37.61	N	
MW-1B	4/23/2015	102.42	N	
MW-2	4/23/2015	34.5	N	
MW-3	4/23/2015	33.53	N	
MW-4	4/23/2015	35.59	N	
TB-1	11/15/2004			
TB-2	11/15/2004			
TB-3	11/15/2004			
TB-4	11/15/2004			

LOGGED IN AS AJUREK

CONTACT GEOTRACKER HELP

ATTACHMENT 2

LTCP Checklist Go

SHELL #13-5782 (T0600101259) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

4212 1ST
PLEASANTON , CA 94566
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT

PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000360*
CASEWORKER: ANNE JUREK - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1364*
CASEWORKER: Regional Water Board - SUPERVISOR: NONE SPECIFIED

CUF Claim #: 5038 CUF Priority Assigned: D CUF Amount Paid: $0

CR Site ID #: N

THIS PROJECT WAS LAST MODIFIED BY ***ANNE JUREK*** ON 4/21/2016 11:48:45 AM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 9/16/2015

CHECKLIST INITIATED ON 12/13/2012

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 :
City of Pleasanton; however, groundwater in the area is used for drinking water

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 — YES

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

1.5 - The regulatory agency determines, based on an analysis of site specific conditions, that the site under current and reasonably anticipated near-term 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. — ◉ YES ○ NO

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 — YES

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

3.1 - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table (LINK) for the specified depth below ground surface. — ◉ YES ○ NO

Additional Information

This case should be kept OPEN in spite of meeting policy criteria. — ○ YES ◉ NO

Has this LTCP Checklist been updated for FY 15/16? — ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS AJUREK

CONTACT GEOTRACKER HELP

ATTACHMENT 3

ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: *Scenario 5*

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	<450 feet	<100 feet	<250 feet	<250 feet	<1,000 feet
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	800 feet east	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	1,130 feet north	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable	Not applicable	Not applicable	Yes	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	650	140	No criteria	<3,000	No criteria	<1,000
MTBE	21,000	1,800	No criteria	<1,000	No criteria	<1,000

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination 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?	Yes

Water Supply Wells in Vicinity: The nearest water supply well appears to be an irrigation well in Kottinger Park, approximately 800 feet east of the site. A municipal water supply well and a well of unknown use are approximately 900 feet northeast of the site. Water supply wells are also located approximately 1,000 feet northwest and 1,200 feet north of the site. Based on the distance from the plume, these water supply wells are not expected to be receptors for the site.

ATTACHMENT 4

ATTACHMENT 4
LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: ***Active fueling station exempt from vapor specific criteria. Based on soil vapor sampling conducted in 2012 and 2014, the site also meets Scenario 4 for residential land use.***

Active Fueling Station	Active as of August 10, 2015

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered LNAPL	No LNAPL	LNAPL in groundwater	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	6 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	2.5 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	140 µg/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	5 feet	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	<16	<16	<85	<280	<85,000	<280,000
Ethylbenzene	<22	<22	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	<52	<52	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?	---
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health?	---

Comments: As an active fueling station, the site is exempt from vapor specific criteria. Soil vapor samples were collected at the site in 2012 and 2014. Based on the results of the soil vapor sampling, the site meets Scenario 4 for residential land use.

ATTACHMENT 5

ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: ***Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below.***

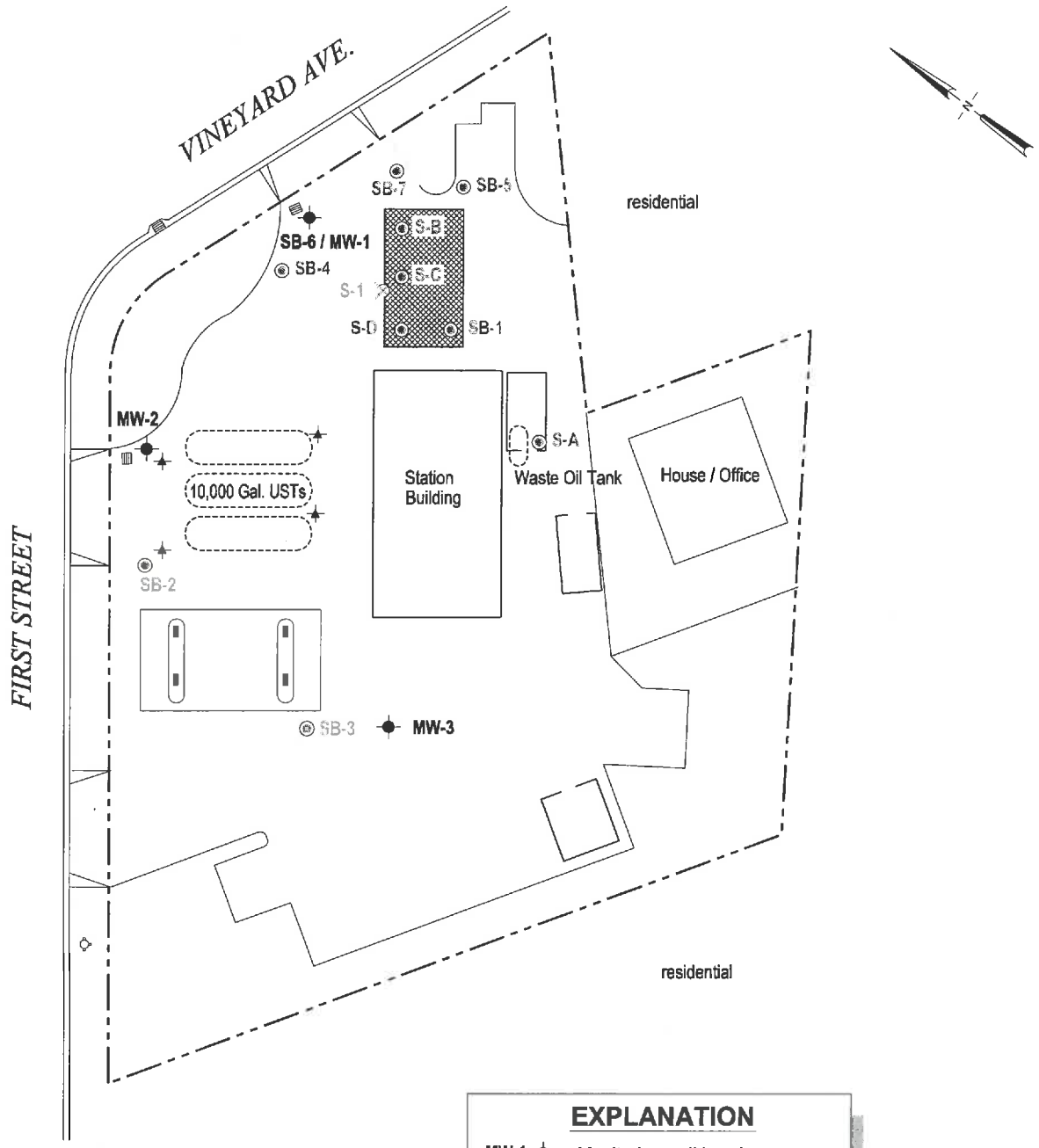
Are maximum concentrations less than those in Table 1 below?		Yes				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	0.008	<0.005	0.008	<0.005	0.008
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	0.038	<0.005	0.038	<0.005	0.038
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

If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?	----
If maximum concentrations are greater than those in Table 1, has a determination 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?	----

Comments: The maximum concentrations of benzene and ethylbenzene detected in shallow soil are less than the maximum concentrations in Table 1 for residential and commercial land use. Naphthalene was not an analyte in shallow soil samples. However, since the release at the site consisted primarily of gasoline and benzene and ethylbenzene concentrations in shallow soil do not exceed media-specific criteria for direct contact, naphthalene concentrations in soil are not likely to exceed the media-specific criteria in the LTCP. Sampling and analysis for PAHs is not necessary since waste oil or Bunker C fuel are not chemicals of concern for the site.

ATTACHMENT 6

01/30/00



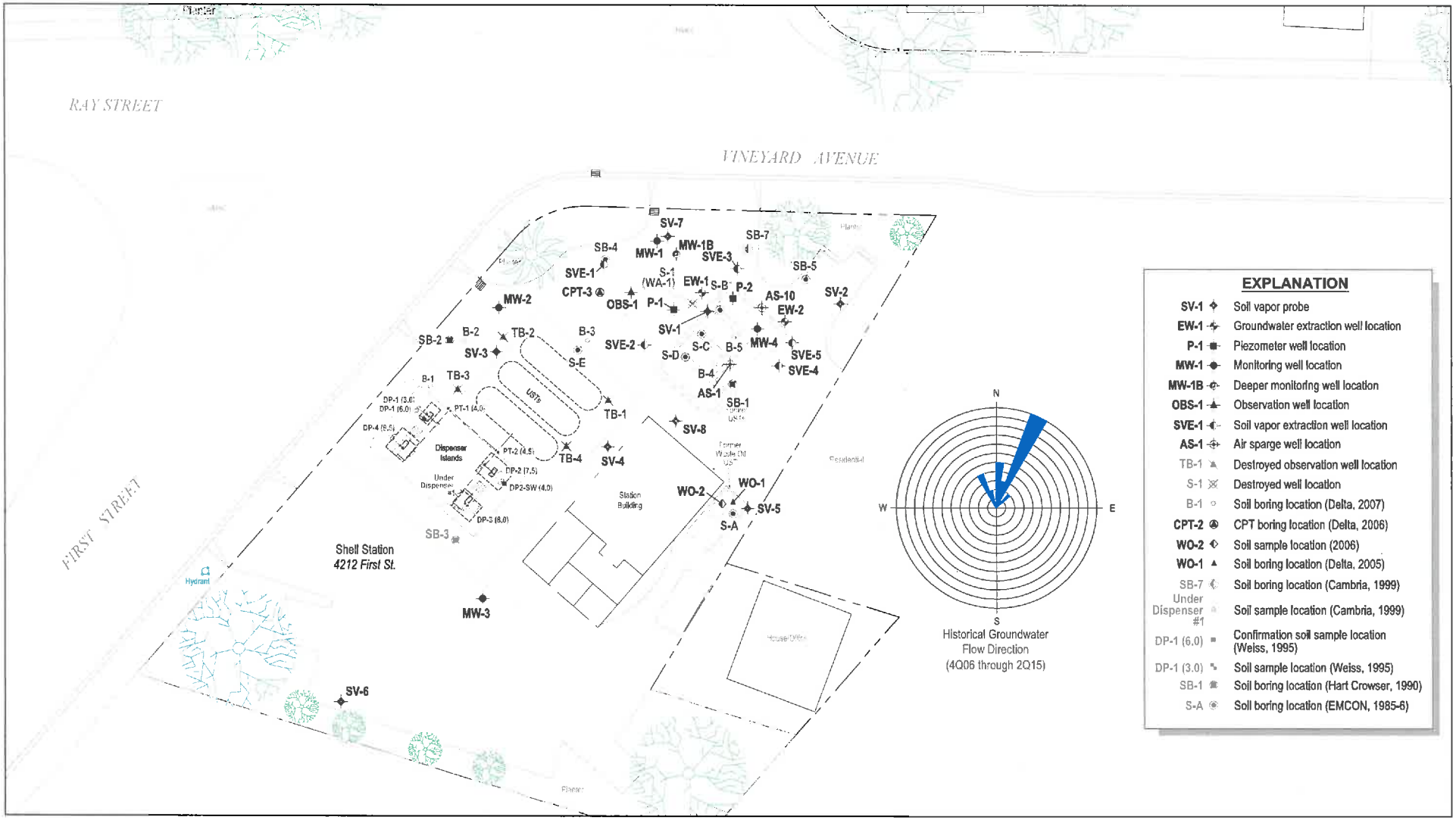
G:\PLEA4226\FIGURES\WELL-LOC.DWG

FIGURE
2

Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840

CAMBRIA

Monitoring Well Locations



0 15 30ft

Coordinate System:
CA ZONE 6 STATE PLANE
COORD SYSTEM NAD 83

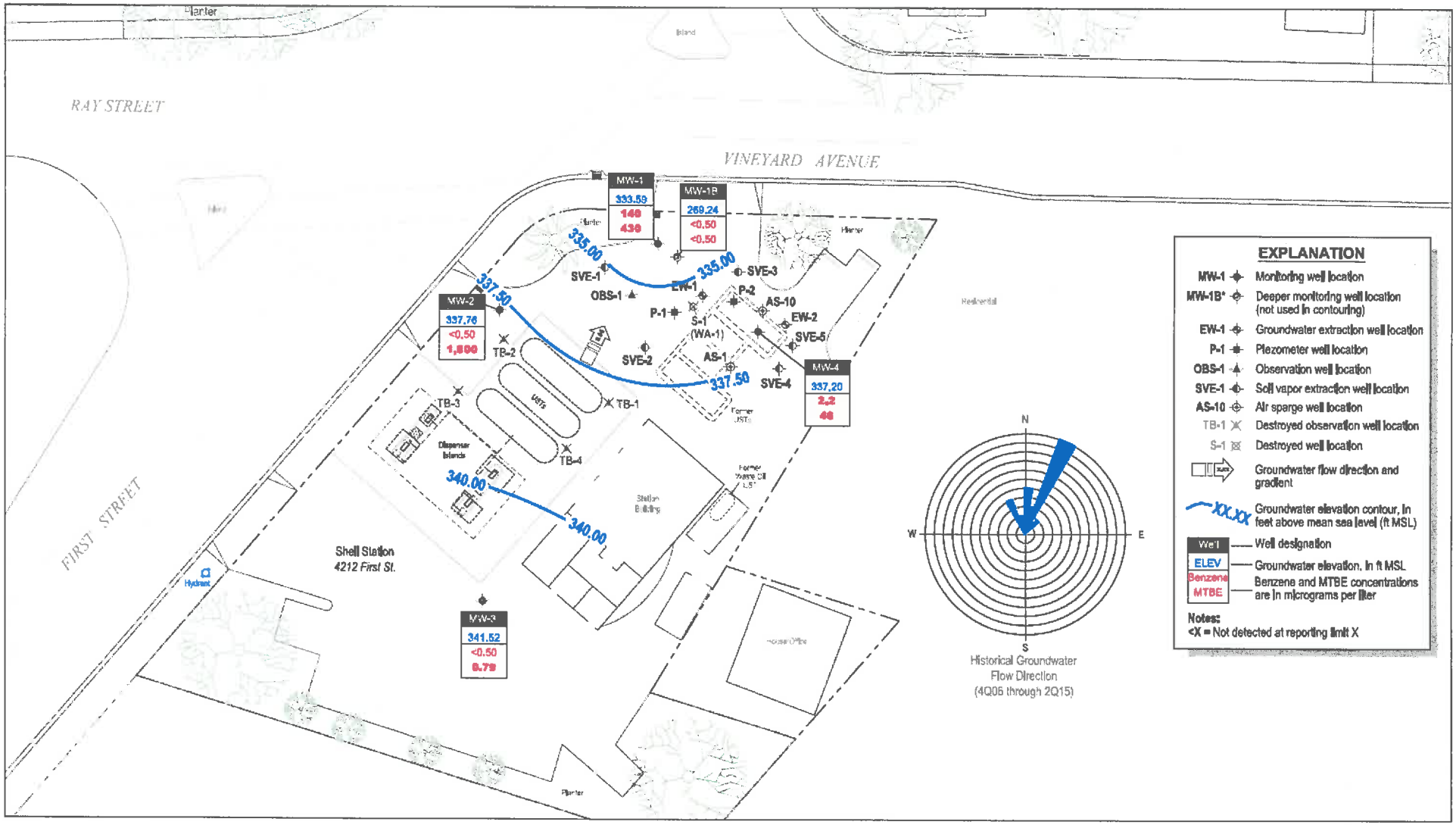
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET
PLEASANTON, CALIFORNIA

SITE PLAN

240523-15.03
Jul 30, 2015

FIGURE 2

CAD File: I:\Shell\S-chars\2405--\240523-Pleasanton 4212 First\240523-FIGURES\240523-29-FIGURES\240523-15.03(029)GN-EM002.dwg



0 15 30ft

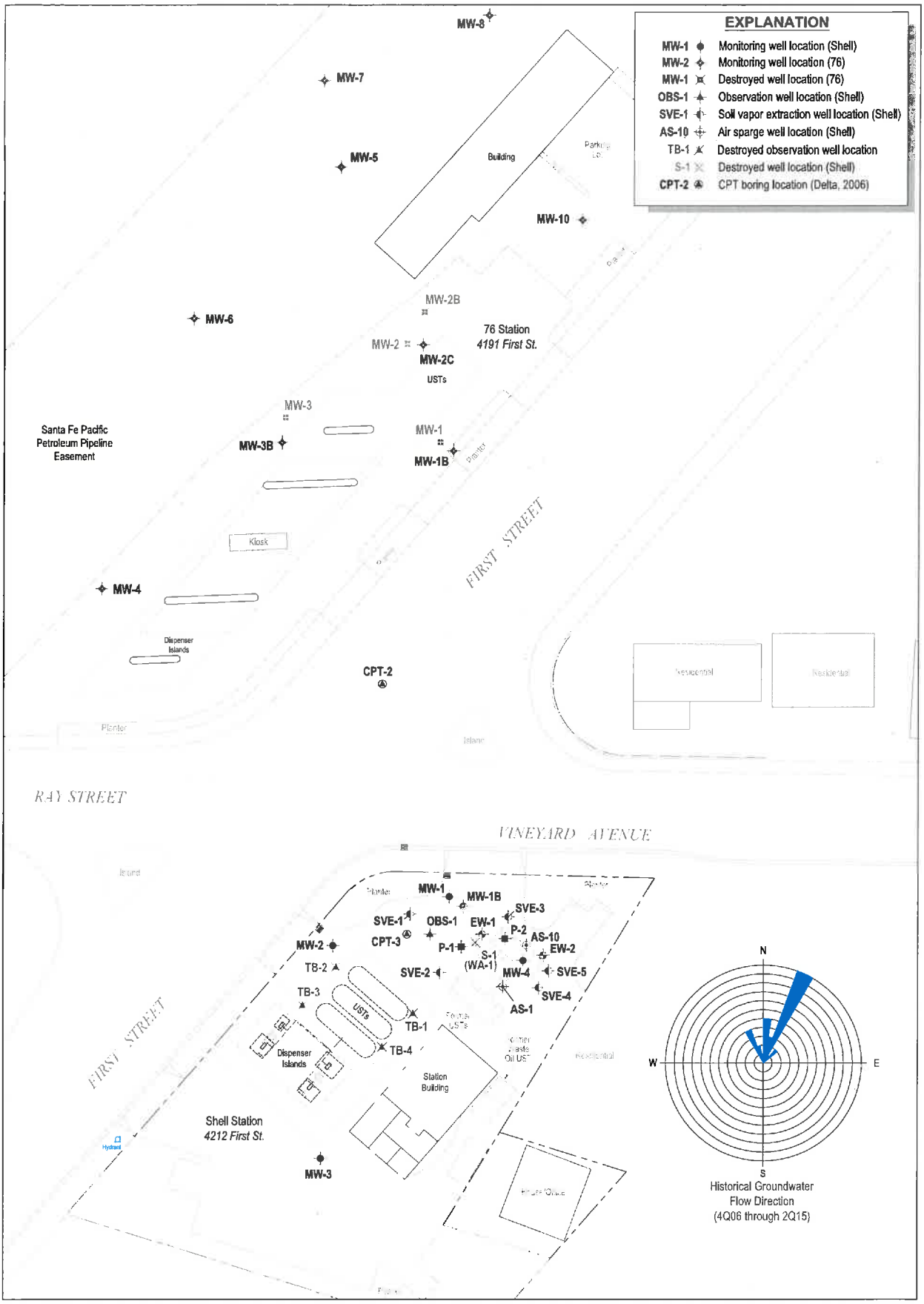
Coordinate System:
CA ZONE 6 STATE PLANE
COORD SYSTEM NAD 83

SHELL-BRANDED SERVICE STATION
4212 FIRST STREET
PLEASANTON, CALIFORNIA

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - APRIL 23, 2015

240523-15.03
Jul 30, 2015

FIGURE 3



0 20 40ft

Coordinate System:
CA ZONE 6 STATE PLANE
COORD SYSTEM NAD 83

SHELL-BRANDED SERVICE STATION
4212 FIRST STREET
PLEASANTON, CALIFORNIA

240523-15.03
Jul 30, 2015

EXTENDED SITE PLAN

FIGURE 4

CAD File: I:\Shell\6-chars\2405--\240523-Pleasanton 4212 Flrs\240523-FIGURES\240523-28-FIGURES\240523-15.03(029)GN-EM002.dwg

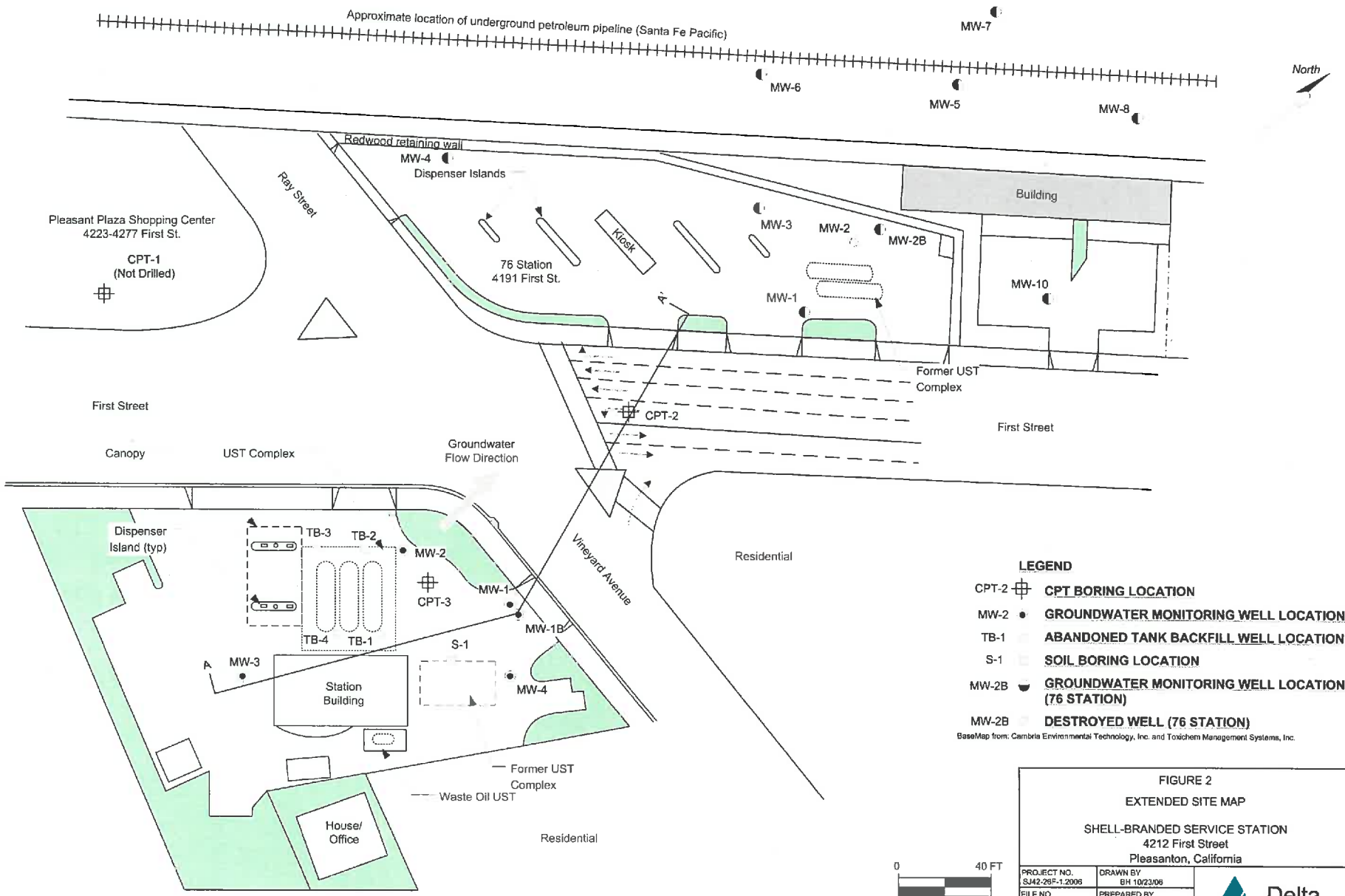


FIGURE 2

EXTENDED SITE MAP

SHELL-BRANDED SERVICE STATION
4212 First Street
Pleasanton, California

PROJECT NO. SJ42-26F-1.2006	DRAWN BY BH 10/23/06
FILE NO. SJ42-26F-1.2006	PREPARED BY
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

ATTACHMENT 7

Table 1

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-1	06/16/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.20	37.81	333.39	---	---
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	---	---	---	---	---	---	---	---	---	371.20	33.65	337.55	---	---
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	---	---	---	---	---	---	---	---	---	371.20	37.04	334.16	---	---
MW-1	12/08/1999	1,020	375	<5.00	<5.00	15.2	<50.0	---	---	---	---	---	---	---	---	---	371.20	36.79	334.41	---	---
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.9	---	---	---	---	---	---	---	---	---	371.20	34.90	336.30	---	---
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	---	---	---	---	---	---	---	---	371.20	32.55	338.65	---	---
MW-1	08/03/2000	808	290	<2.50	<2.50	8.9	<12.5	---	---	---	---	---	---	---	---	---	371.20	39.13	332.07	---	---
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	---	---	---	---	---	---	---	---	---	371.20	37.91	333.29	---	---
MW-1	03/01/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	---	---	---	---	---	---	---	---	---	371.20	39.60	331.60	---	---
MW-1	05/30/2001	780	280	<2.0	<2.0	11	---	<2.0	---	---	---	---	---	---	---	---	371.20	39.53	331.67	---	---
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	---	<25	---	---	---	---	---	---	---	---	371.20	39.61	331.59	---	---
MW-1	12/06/2001	840	190	<0.50	<0.50	13	---	<5.0	---	---	---	---	---	---	---	---	371.20	39.63	331.57	---	---
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	---	<25	---	---	---	---	---	---	---	---	371.20	35.53	335.67	---	---
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	---	<20	---	---	---	---	---	---	---	---	371.20	39.29	331.91	---	---
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	---	18	---	---	---	---	---	---	---	---	371.20	39.39	331.81	---	---
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	---	27	---	---	---	---	---	---	---	---	371.20	40.00	331.20	---	---
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	---	40	---	---	---	---	---	---	---	---	371.20	32.92	338.28	---	---
MW-1	05/14/2003	680	190	<2.5	<2.5	<5.0	---	95	---	---	---	---	---	---	---	---	371.20	32.57	338.63	---	---
MW-1	07/29/2003	870	190	<2.5	<2.5	<5.0	---	150	---	---	---	---	---	---	---	---	371.20	33.82	337.38	---	---
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	---	230	---	---	---	---	---	---	---	---	371.20	38.28	332.92	---	---
MW-1	02/19/2004	58 c	11	<0.50	<0.50	<1.0	---	85	---	---	---	---	---	---	---	---	371.20	36.93	334.27	---	---
MW-1	05/03/2004	670	310	<2.5	<2.5	<5.0	---	420	---	---	---	---	---	---	---	---	371.20	32.70	338.50	---	---
MW-1	08/24/2004	430 c	34	<2.5	<2.5	<5.0	---	690	---	---	---	---	---	---	---	---	371.20	34.66	336.54	---	---
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	---	470	---	---	---	---	---	---	---	---	371.20	38.27	332.93	---	---
MW-1	02/02/2005	540 e	87	<2.5	<2.5	<5.0	---	700	---	---	---	---	---	---	---	---	371.20	32.02	339.18	---	---
MW-1	05/05/2005	460 e	88	<2.5	<2.5	<5.0	---	300	---	---	---	---	---	---	---	---	371.20	36.82	334.38	---	---
MW-1	08/05/2005	910	230	<2.5	<2.5	<5.0	---	480	---	---	---	---	---	---	---	---	371.20	33.35	337.85	---	---
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1.18	---	1,160	---	---	---	---	---	---	---	---	371.20	33.42	337.78	---	---
MW-1	02/07/2006	4,620	225	<0.500	<0.500	<0.500	---	1,480	---	---	---	---	---	---	---	---	371.20	31.63	339.57	---	---
MW-1	05/16/2006	1,100	130	<0.50	2.0	2.1	---	1,600	---	---	---	---	---	---	---	---	371.20	31.16	340.04	---	---
MW-1	08/21/2006	2,700	86	<0.500	0.79	0.81	---	1,960	---	---	---	---	---	---	---	---	371.20	33.07	338.13	---	---
MW-1	11/14/2006	1,400 c	30	<25	<25	<25	---	2,100	<1,000	<25	<25	<25	---	---	---	---	371.20	33.73	337.47	---	---
MW-1	02/01/2007	800	21	<0.50	<0.50	<1.0	---	2,300	---	---	---	---	---	---	---	---	371.20	33.02	338.18	---	---
MW-1	06/01/2007	1,400 d,e	68	<20	<20	4.4 f	---	2,200	---	---	---	---	---	---	---	---	371.20	32.87	338.33	---	---
MW-1	08/22/2007	250 d	20	<20	<20	<20	---	3,100	1,500	---	---	---	---	---	---	---	371.20	34.64	336.56	---	---
MW-1	11/26/2007	1,800 d	33	<20	<20	<20	---	3,100	930	<40	<40	<40	---	---	---	---	371.20	35.59	335.61	---	---
MW-1	02/19/2008	1,800 d	33	<20	<20	<20	---	3,700	1,700	---	---	---	---	---	---	---	371.20	31.05	340.15	---	---
MW-1	05/23/2008	3,700	100	<25	<25	<25	---	3,100	1,300	---	---	---	---	---	---	---	371.20	31.80	339.40	---	---
MW-1	08/07/2008	4,200	33	<25	<25	<25	---	3,500	<250	---	---	---	---	---	---	---	371.20	33.03	338.17	---	---

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-1	12/03/2008	3,400	34	<25	<25	<25	---	3,200	980	---	---	---	---	---	---	---	371.20	35.19	336.01	---	---
MW-1	02/05/2009	2,100	26	<25	<25	<25	---	1,700	340	---	---	---	---	---	---	---	371.20	35.07	336.13	---	---
MW-1	05/07/2009	4,400	230	<25	<25	<25	---	3,700	980	---	---	---	---	---	---	---	371.20	32.45	338.75	---	---
MW-1	08/20/2009	3,100	86	<25	<25	<25	---	2,500	730	---	---	---	---	---	---	---	371.20	34.48	336.72	---	---
MW-1	11/09/2009	3,200	230	<20	<20	33	---	2,100	530	<40	<40	<40	---	---	---	---	371.20	35.84	335.36	---	---
MW-1	02/11/2010	4,400	30	<20	<20	<20	---	3,000	730	---	---	---	---	---	---	---	371.20	34.06	337.14	---	---
MW-1	05/13/2010	3,300	38	<20	<20	<20	---	3,300	1,100	---	---	---	---	---	---	---	371.20	31.99	339.21	---	---
MW-1	08/05/2010	4,200	12	<20	<20	<20	---	3,800	1,300	---	---	---	---	---	---	---	371.20	33.70	337.50	---	---
MW-1	10/30/2010	2,700	<10	<20	<20	<20	---	3,400	770	<40	<40	<40	---	---	---	---	371.20	33.12	338.08	---	---
MW-1	02/09/2011	2,600	32	<12	<12	<25	---	3,400	1,100	---	---	---	---	---	---	---	371.20	33.03	338.17	---	---
MW-1	05/31/2011	<2,500	26	<25	<25	<50	---	3,000	1,000	---	---	---	---	---	---	---	371.20	32.21	338.99	---	---
MW-1	07/27/2011	3,900 c	28	<10	<10	<20	---	4,100	1,400	---	---	---	---	---	---	---	371.20	33.60	337.60	---	---
MW-1	11/04/2011	4,200	<25	<25	<25	<50	---	4,800	790	<50	<50	<50	---	---	---	---	371.20	31.20	340.00	---	---
MW-1	05/23/2012	3,300	12	<10	<10	<20	---	3,400	710	---	---	---	5,000 g	19,000	630,000	<100	371.20	32.61	338.59	2.28	63
MW-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.20	34.72	336.48	---	---
MW-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.20	31.31	339.89	---	---
MW-1	09/07/2012	<5,000	<50	<50	<50	<100	---	2,700	<1,000	---	---	---	4,500 a	20,000	640,000	---	371.20	35.82	335.38	1.21	96
MW-1	11/13/2012	2,600	52	<25	<25	<50	---	2,700	<500	<25	<25	<25	4,700	21,000	630,000	---	371.20	37.19	334.01	1.93	54
MW-1	05/14/2013	6,500	410	<5.0	<5.0	<10	---	1,600	940	---	---	---	1,900	17,000	670,000	---	371.20	36.01	335.19	1.25	112
MW-1	07/31/2013	4,700	550	<5.0	<5.0	59	---	870	470	---	---	---	350	42,000	530,000	---	371.20	37.02	334.18	1.75	-10
MW-1	11/12/2013	2,100	71	<5.0	<5.0	<10	---	1,300	810	---	---	---	970	19,000	710,000	---	371.20	39.50	331.70	1.68	88
MW-1	02/04/2014	1,200	13	<0.50	<0.50	<1.0	---	1,500	890	---	---	---	2,200	18,000	700,000	---	371.20	39.84	331.36	1.19	140
MW-1	05/12/2014	2,000	59	<10	<10	<20	---	1,500	670	---	---	---	280	21,000	650,000	---	371.20	39.26	331.94	1.44	72
MW-1	11/25/2014	1,200 i	<10	<10	<10	<20	---	1,100	580	14	<10	<10	1,000	16,000	630,000	---	371.20	42.84	328.36	---	---
MW-1	**04/23/2015**	**230**	**140**	**<2.5**	**<2.5**	**<5.0**	**---**	**430**	**490**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**371.20**	**37.61**	**333.59**	**0.97**	**168**
MW-1B	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.67	76.94	294.73	---	---
MW-1B	09/28/2006	<50	<0.50	<0.50	<0.50	<0.50	---	21	<20	---	---	---	---	---	---	---	371.67	77.15	294.52	---	---
MW-1B	11/14/2006	320 c	<5.0	<5.0	<5.0	<5.0	---	310	<200	<5.0	<5.0	<5.0	---	---	---	---	371.67	69.38	302.29	---	---
MW-1B	02/01/2007	77	0.53	<0.50	<0.50	<1.0	---	150	---	---	---	---	---	---	---	---	371.67	60.92	310.75	---	---
MW-1B	06/01/2007	<50 d,e	0.25 f	<1.0	<1.0	<1.0	---	74	---	---	---	---	---	---	---	---	371.67	61.07	310.60	---	---
MW-1B	08/22/2007	<50 d	0.25 f	<1.0	<1.0	<1.0	---	35	7.1 f	---	---	---	---	---	---	---	371.67	77.54	294.13	---	---
MW-1B	11/26/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	68.50	303.17	---	---
MW-1B	02/19/2008	65 d	2.6	4.2	<1.0	1.1	---	58	<10	---	---	---	---	---	---	---	371.67	57.21	314.46	---	---
MW-1B	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	---	---	---	---	371.67	57.53	314.14	---	---
MW-1B	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	371.67	72.51	299.16	---	---
MW-1B	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.4	<10	---	---	---	---	---	---	---	371.67	80.84	290.83	---	---
MW-1B	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	4.4	<10	---	---	---	---	---	---	---	371.67	76.11	295.56	---	---
MW-1B	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.5	13	---	---	---	---	---	---	---	371.67	66.97	304.70	---	---

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-1B	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	---	---	---	---	371.67	97.32	274.35	---	---
MW-1B	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	98.90	272.77	---	---
MW-1B	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	371.67	90.72	280.95	---	---
MW-1B	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	---	---	---	---	371.67	80.56	291.11	---	---
MW-1B	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	90.10	281.57	---	---
MW-1B	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	102.21	269.46	---	---
MW-1B	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	90.24	281.43	---	---
MW-1B	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	73.83	297.84	---	---
MW-1B	07/27/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	82.90	288.77	---	---
MW-1B	11/04/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	---	371.67	89.19	282.48	---	---
MW-1B	05/23/2012	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	<10	---	---	---	18,000	51,000	270,000	<100	371.67	82.10	289.57	2.67	207
MW-1B	09/07/2012	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	19,000 a	49,000	260,000	---	371.66	102.45	269.21	1.54	204
MW-1B	11/13/2012	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	21,000	70,000	270,000	---	371.66	102.33	269.33	2.25	121
MW-1B	05/14/2013	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	25,000	53,000	280,000	---	371.66	99.32	272.35	1.41	96
MW-1B	07/31/2013	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	20,000	50,000	270,000	---	371.66	102.77	268.90	1.98	20
MW-1B	11/12/2013	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	19,000	49,000	300,000	---	371.66	102.83	268.83	1.96	92
MW-1B	02/04/2014	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	22,000	54,000	330,000	---	371.66	102.89	268.77	1.09	154
MW-1B	05/12/2014	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	22,000	54,000	290,000	---	371.66	102.50	269.16	1.77	83
MW-1B	11/25/2014	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	22,000	47,000	280,000	---	371.66	102.96	268.70	---	---
MW-1B	**04/23/2015**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**371.66**	**102.42**	**269.24**	**2.69**	**94**
MW-2	02/03/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.40	32.65	339.75	---	---
MW-2	02/07/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.40	35.51	336.89	---	---
MW-2	02/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	---	---	---	---	---	---	---	---	---	372.40	36.62	335.78	---	---
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29	---	---	---	---	---	---	---	---	---	372.40	32.14	340.26	---	---
MW-2	08/03/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6 b	---	---	---	---	---	---	---	---	372.40	32.42	339.98	---	---
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8 a	---	---	---	---	---	---	---	---	372.40	33.02	339.38	---	---
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	---	---	---	---	---	---	---	---	372.40	32.54	339.86	---	---
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	---	170	---	---	---	---	---	---	---	---	372.40	32.42	339.98	---	---
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	---	160	---	---	---	---	---	---	---	---	372.40	32.55	339.85	---	---
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	---	170	---	---	---	---	---	---	---	---	372.40	33.15	339.25	---	---
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	---	170	---	---	---	---	---	---	---	---	372.40	32.29	340.11	---	---
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	---	260	---	---	---	---	---	---	---	---	372.40	32.63	339.77	---	---
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	280	---	---	---	---	---	---	---	---	372.40	32.80	339.60	---	---
MW-2	11/14/2002	120	13	9.0	3.8	14	---	430	---	---	---	---	---	---	---	---	372.40	33.31	339.09	---	---
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	---	430	---	---	---	---	---	---	---	---	372.40	32.15	340.25	---	---
MW-2	05/14/2003	<250	<2.5	<2.5	<2.5	<5.0	---	470	---	---	---	---	---	---	---	---	372.40	32.01	340.39	---	---
MW-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	---	670	---	---	---	---	---	---	---	---	372.40	32.51	339.89	---	---
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	---	54	---	---	---	---	---	---	---	---	372.40	33.83	338.57	---	---

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-2	02/19/2004	65	<0.50	3.4	1.4	6.5	---	8.2	---	---	---	---	---	---	---	---	372.40	32.68	339.72	---	---
MW-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	---	5.2	---	---	---	---	---	---	---	---	372.40	32.07	340.33	---	---
MW-2	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	---	2.7	---	---	---	---	---	---	---	---	372.40	32.44	339.96	---	---
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	---	1.3	---	---	---	---	---	---	---	---	372.40	32.95	339.45	---	---
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	---	---	---	---	372.40	31.94	340.46	---	---
MW-2	05/05/2005	72 c	<0.50	<0.50	<0.50	<1.0	---	4.9	---	---	---	---	---	---	---	---	372.40	31.91	340.49	---	---
MW-2	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	16	---	---	---	---	---	---	---	---	372.40	32.15	340.25	---	---
MW-2	11/22/2005	840	0.80	<0.500	<0.500	0.87	---	556	---	---	---	---	---	---	---	---	372.40	32.31	340.09	---	---
MW-2	02/07/2006	3,550	<0.500	<0.500	<0.500	<0.500	---	2,500	---	---	---	---	---	---	---	---	372.40	31.70	340.70	---	---
MW-2	05/16/2006	1,400	<5.0	<5.0	<5.0	<10	---	1,700	---	---	---	---	---	---	---	---	372.40	31.38	341.02	---	---
MW-2	08/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	---	2,590	---	---	---	---	---	---	---	---	372.40	33.29	339.11	---	---
MW-2	11/14/2006	2,300 c	<25	<25	<25	<25	---	2,500	<1,000	<25	<25	<25	---	---	---	---	372.40	32.67	339.73	---	---
MW-2	02/01/2007	670	<0.50	<0.50	<0.50	<1.0	---	2,000	---	---	---	---	---	---	---	---	372.40	32.13	340.27	---	---
MW-2	06/01/2007	500 d,e	<10	<20	<20	<20	---	2,000	---	---	---	---	---	---	---	---	372.40	32.14	340.26	---	---
MW-2	08/22/2007	100 d,e	<10	<20	<20	<20	---	2,400	120 f	---	---	---	---	---	---	---	372.40	32.93	339.47	---	---
MW-2	11/26/2007	1,600 d,e	<10	<20	<20	<20	---	2,900	<200	<40	<40	<40	---	---	---	---	372.40	33.44	338.96	---	---
MW-2	02/19/2008	1,300 d,e	<10	<20	<20	<20	---	3,300	<200	---	---	---	---	---	---	---	372.40	31.18	341.22	---	---
MW-2	05/23/2008	1,900	<12	<25	<25	<25	---	1,700	<250	---	---	---	---	---	---	---	372.40	31.44	340.96	---	---
MW-2	08/07/2008	1,700	<10	<20	<20	<20	---	1,300	<200	---	---	---	---	---	---	---	372.40	31.94	340.46	---	---
MW-2	12/03/2008	3,000	<10	<20	<20	<20	---	2,900	<200	---	---	---	---	---	---	---	372.40	32.53	339.87	---	---
MW-2	02/05/2009	1,200	<10	<20	<20	<20	---	1,000	<200	---	---	---	---	---	---	---	372.40	32.29	340.11	---	---
MW-2	05/07/2009	2,400	<10	<20	<20	<20	---	2,400	<200	---	---	---	---	---	---	---	372.40	31.98	340.42	---	---
MW-2	08/20/2009	2,800	<10	<20	<20	<20	---	2,400	<200	---	---	---	---	---	---	---	372.40	32.51	339.89	---	---
MW-2	11/09/2009	4,100	<12	<25	<25	<25	---	3,800	<250	<50	<50	<50	---	---	---	---	372.40	32.43	339.97	---	---
MW-2	02/11/2010	4,300	<12	<25	<25	<25	---	3,200	<250	---	---	---	---	---	---	---	372.40	32.07	340.33	---	---
MW-2	05/13/2010	2,400	<10	<20	<20	<20	---	2,500	<200	---	---	---	---	---	---	---	372.40	31.63	340.77	---	---
MW-2	08/05/2010	1,500	<5.0	<10	<10	<10	---	1,400	210	---	---	---	---	---	---	---	372.40	33.82	338.58	---	---
MW-2	10/30/2010	1,700	<5.0	<10	<10	<10	---	2,200	130	<20	<20	<20	---	---	---	---	372.40	32.82	339.58	---	---
MW-2	02/09/2011	1,400	<12	<12	<12	<25	---	1,900	<250	---	---	---	---	---	---	---	372.40	32.11	340.29	---	---
MW-2	05/31/2011	<1,000	<10	<10	<10	<20	---	1,200	<200	---	---	---	---	---	---	---	372.40	31.97	340.43	---	---
MW-2	07/27/2011	1,600 c	<10	<10	<10	<20	---	2,000	<200	---	---	---	---	---	---	---	372.40	32.30	340.10	---	---
MW-2	11/04/2011	2,100	<10	<10	<10	<20	---	2,500	<200	<20	<20	<20	---	---	---	---	372.40	33.20	339.20	---	---
MW-2	05/23/2012	2,700	<10	<10	<10	<20	---	3,000	<200	---	---	---	7,500	70,000	300,000	300	372.40	31.92	340.48	1.51	42
MW-2	09/07/2012	2,500 c	<25	<25	<25	<50	---	2,100	<500	---	---	---	5,800 a	80,000	300,000	---	372.40	33.32	339.08	1.75	68
MW-2	11/13/2012	2,100	<20	<20	<20	<40	---	2,500	<400	<20	<20	<20	8,400	77,000	310,000	---	372.40	34.91	337.49	1.27	22
MW-2	05/14/2013	840 i	<5.0	<5.0	<5.0	<10	---	730	<100	---	---	---	5,800	55,000	420,000	---	372.40	33.61	338.79	0.53	78
MW-2	07/31/2013	1,500	<10	<10	<10	<20	---	1,100	<200	---	---	---	9,500	79,000	300,000	---	372.40	35.00	337.40	1.07	1
MW-2	11/12/2013	1,800	<10	<10	<10	<20	---	1,600	<200	---	---	---	7,300	77,000	340,000	---	372.40	37.25	335.15	1.03	28
MW-2	02/04/2014	1,600	<10	<10	<10	<20	---	2,000	<200	---	---	---	9,200	72,000	170,000	---	372.40	37.25	335.15	1.18	129

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-2	05/12/2014	2,600 i	<25	<25	<25	<50	---	2,500	<500	---	---	---	230	71,000	340,000	---	372.40	37.00	335.40	1.12	36
MW-2	06/10/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.26	---	---	---	---
MW-2	11/25/2014	1,300 i	<10	<10	<10	<20	---	1,500	<200	<10	<10	<10	6,400	74,000	300,000	---	372.26	38.77	333.49	---	---
MW-2	**04/23/2015**	**660 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**1,800**	**130**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**372.26**	**34.50**	**337.76**	**1.37**	**44**
MW-3	02/03/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	32.06	342.99	---	---
MW-3	02/07/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	32.57	342.48	---	---
MW-3	02/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	---	---	---	---	---	---	---	---	375.05	32.77	342.28	---	---
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	---	---	---	---	---	---	---	---	---	375.05	31.00	344.05	---	---
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	---	---	---	---	---	---	---	---	---	375.05	31.03	344.02	---	---
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	---	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	03/01/2001	384	172	0.815	<0.500	8.0	5.16	---	---	---	---	---	---	---	---	---	375.05	31.21	343.84	---	---
MW-3	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	---	110	---	---	---	---	---	---	---	---	375.05	31.02	344.03	---	---
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	---	93	---	---	---	---	---	---	---	---	375.05	30.94	344.11	---	---
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	---	180	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	02/05/2002	<50	0.89	0.60	<0.50	2.1	---	130	---	---	---	---	---	---	---	---	375.05	31.12	343.93	---	---
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	---	72	---	---	---	---	---	---	---	---	375.05	31.21	343.84	---	---
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	81	---	---	---	---	---	---	---	---	375.05	30.96	344.09	---	---
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	---	60	---	---	---	---	---	---	---	---	375.05	31.44	343.61	---	---
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	---	43	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	---	---	---	---	375.05	31.20	343.85	---	---
MW-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	---	21	---	---	---	---	---	---	---	---	375.05	31.29	343.76	---	---
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	---	8.2	---	---	---	---	---	---	---	---	375.05	31.86	343.19	---	---
MW-3	02/19/2004	81	0.67	4.4	1.8	8.6	---	13	---	---	---	---	---	---	---	---	375.05	31.66	343.39	---	---
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	---	13	---	---	---	---	---	---	---	---	375.05	31.72	343.33	---	---
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	---	10	---	---	---	---	---	---	---	---	375.05	32.09	342.96	---	---
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	---	6.6	---	---	---	---	---	---	---	---	375.05	31.50	343.55	---	---
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	3.1	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	05/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.3	---	---	---	---	---	---	---	---	375.05	31.42	343.63	---	---
MW-3	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.4	---	---	---	---	---	---	---	---	375.05	31.35	343.70	---	---
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	---	3.84	---	---	---	---	---	---	---	---	375.05	31.98	343.07	---	---
MW-3	02/07/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	---	---	375.05	31.24	343.81	---	---
MW-3	05/16/2006	<50	<0.50	<0.50	<0.50	<1.0	---	4.5	---	---	---	---	---	---	---	---	375.05	31.37	343.68	---	---
MW-3	08/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	4.04	---	---	---	---	---	---	---	---	375.05	31.95	343.10	---	---
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	---	3.8	<20	<0.50	<0.50	<0.50	---	---	---	---	375.05	32.24	342.81	---	---
MW-3	02/01/2007	<50	<0.50	<0.50	<0.50	<1.0	---	2.8	---	---	---	---	---	---	---	---	375.05	32.17	342.88	---	---
MW-3	06/01/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	3.1	---	---	---	---	---	---	---	---	375.05	31.86	343.19	---	---
MW-3	08/22/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	4.6	<10	---	---	---	---	---	---	---	375.05	32.18	342.87	---	---
MW-3	11/26/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	3.5	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.69	342.36	---	---

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-3	02/19/2008	<50 d	<0.50	1.2	<1.0	<1.0	---	2.6	<10	---	---	---	---	---	---	---	375.05	30.94	344.11	---	---
MW-3	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	---	---	---	---	375.05	31.45	343.60	---	---
MW-3	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	---	---	---	---	---	---	---	375.05	31.40	343.65	---	---
MW-3	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	---	---	---	---	375.05	32.12	342.93	---	---
MW-3	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	375.05	32.74	342.31	---	---
MW-3	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	375.05	31.69	343.36	---	---
MW-3	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	---	---	---	---	375.05	32.42	342.63	---	---
MW-3	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.54	342.51	---	---
MW-3	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	---	---	---	---	375.05	31.81	343.24	---	---
MW-3	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	---	---	---	---	375.05	31.25	343.80	---	---
MW-3	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	---	---	---	---	---	---	---	375.05	32.00	343.05	---	---
MW-3	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.4	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.18	342.87	---	---
MW-3	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.7	<10	---	---	---	---	---	---	---	375.05	31.80	343.25	---	---
MW-3	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.9	<10	---	---	---	---	---	---	---	375.05	31.60	343.45	---	---
MW-3	07/27/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.8	<10	---	---	---	---	---	---	---	375.05	32.00	343.05	---	---
MW-3	11/04/2011	<50	<0.50	<0.50	<0.50	<1.0	---	2.1	<10	<1.0	<1.0	<1.0	---	---	---	---	375.05	32.55	342.50	---	---
MW-3	05/23/2012	<50	0.67	<0.50	<0.50	1.9	---	0.91	<10	---	---	---	1,400	36,000	250,000	5,000	375.05	31.52	343.53	1.81	-5
MW-3	09/07/2012	<50	<0.50	<0.50	<0.50	<1.0	---	1.6	<10	---	---	---	<110 a	28,000	270,000	---	375.05	32.66	342.39	1.06	-10
MW-3	11/13/2012	<50	<0.50	<0.50	<0.50	<1.0	---	1.8	<10	<0.50	<0.50	<0.50	<110	7,300	330,000	---	375.05	33.35	341.70	1.44	-26
MW-3	05/14/2013	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	<10	---	---	---	<110	17,000	280,000	---	375.05	32.92	342.13	1.10	78
MW-3	07/31/2013	<50	<0.50	<0.50	<0.50	<1.0	---	2.5	<10	---	---	---	<110	2,400	370,000	---	375.05	33.56	341.49	1.56	-82
MW-3	11/12/2013	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	<10	---	---	---	---	---	---	---	375.05	34.20	340.85	1.26	-8
MW-3	02/04/2014	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	34.12	340.93	---	---
MW-3	05/12/2014	<50	<0.50	<0.50	<0.50	<1.0	---	0.94	<10	---	---	---	<110	150,000	250,000	---	375.05	33.30	341.75	1.19	-31
MW-3	11/25/2014	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	---	---	---	---	375.05	34.18	340.87	---	---
MW-3	**04/23/2015**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**0.79**	**<10**	**---**	**---**	**---**	**<110 a**	**19,000**	**360,000**	**---**	**375.05**	**33.53**	**341.52**	**1.76**	**21**
MW-4	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.78	31.58	341.20	---	---
MW-4	09/28/2006	11,000	<250	<250	<250	<250	---	13,000	<10,000	---	---	---	---	---	---	---	372.78	31.57	341.21	---	---
MW-4	11/14/2006	30,000	<250	<250	<250	<250 a	---	14,000	<10,000	<250	<250	<250	---	---	---	---	372.78	32.11	340.67	---	---
MW-4	02/01/2007	6,300	50	<5.0	19	120	---	14,000	---	---	---	---	---	---	---	---	372.78	33.23	339.55	---	---
MW-4	06/01/2007	8,200 d	52	<25	26	150	---	11,000	---	---	---	---	---	---	---	---	372.78	31.57	341.21	---	---
MW-4	08/22/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.78	33.40	339.38	---	---
MW-4	11/26/2007	12,000 d	71	<100	<100	<100	---	20,000	<1,000	<200	<200	<200	---	---	---	---	372.78	34.74	338.04	---	---
MW-4	02/19/2008	13,000 d	<100	<200	<200	<200	---	18,000	2,900	---	---	---	---	---	---	---	372.78	29.70	343.08	---	---
MW-4	05/23/2008	21,000	<100	<200	<200	<200	---	16,000	<2,000	---	---	---	---	---	---	---	372.78	31.67	341.11	---	---
MW-4	08/07/2008	27,000	<100	<200	<200	<200	---	21,000	<2,000	---	---	---	---	---	---	---	372.78	31.90	340.88	---	---
MW-4	12/03/2008	20,000	19	<25	<25	29	---	21,000	2,500	---	---	---	---	---	---	---	372.78	34.32	338.46	---	---
MW-4	02/05/2009	15,000	200	<200	<200	<200	---	13,000	<2,000	---	---	---	---	---	---	---	372.78	34.58	338.20	---	---

Table 1

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-4	05/07/2009	18,000	<100	<200	<200	<200	---	17,000	<2,000	---	---	---	---	---	---	---	372.78	31.34	341.44	---	---
MW-4	08/20/2009	15,000	<50	<100	<100	<100	---	13,000	1,900	---	---	---	---	---	---	---	372.78	33.56	339.22	---	---
MW-4	11/09/2009	13,000	<50	<100	<100	<100	---	11,000	<1000	<200	<200	<200	---	---	---	---	372.78	33.57	339.21	---	---
MW-4	02/11/2010	11,000	95	<100	<100	110	---	7,500	3,200	---	---	---	---	---	---	---	372.78	31.21	341.57	---	---
MW-4	05/13/2010	8,800	48	<50	57	96	---	7,800	2,900	---	---	---	---	---	---	---	372.78	30.19	342.59	---	---
MW-4	08/05/2010	4,000	<12	<25	<25	<25	---	3,600	600	---	---	---	---	---	---	---	372.78	32.22	340.56	---	---
MW-4	10/30/2010	6,800	<12	<25	<25	<25	---	8,200	1,400	<50	<50	<50	---	---	---	---	372.78	33.95	338.83	---	---
MW-4	02/09/2011	<5,000	<50	<50	<50	<100	---	5,800	2,700	---	---	---	---	---	---	---	372.78	31.56	341.22	---	---
MW-4	05/31/2011	<5,000	<50	<50	<50	<100	---	5,600	1,200	---	---	---	---	---	---	---	372.78	30.78	342.00	---	---
MW-4	07/27/2011	4,500 c	<10	<10	18	21	---	5,200	2,100	---	---	---	---	---	---	---	372.78	31.64	341.14	---	---
MW-4	11/04/2011	3,400 c	<25	<25	<25	<50	---	4,400	1,800	<50	<50	<50	---	---	---	---	372.78	33.53	339.25	---	---
MW-4	05/23/2012	3,500	<10	<10	13	<20	---	4,900	1,400	---	---	---	5,300	69,000	300,000	1,000	372.78	31.12	341.66	1.44	-6
MW-4	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	33.77	339.02	---	---
MW-4	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	34.18	338.61	---	---
MW-4	09/07/2012	5,900 c	<50	<50	<50	<100	---	5,000	<1,000	---	---	---	4,300 a	71,000	320,000	---	372.79	34.55	338.24	1.21	66
MW-4	11/13/2012	1,200	<10	<10	<10	<20	---	1,400	970	<10	<10	<10	2,100	53,000	300,000	---	372.79	36.25	336.54	1.38	85
MW-4	04/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	28.95	343.83	---	---
MW-4	05/14/2013	910	<0.50	<0.50	1.4	7.5	---	46	290	---	---	---	1,700	130,000	80,000	---	372.79	35.48	337.30	1.34	70
MW-4	07/31/2013	1,200	<0.50	<0.50	2.0	2.8	---	200	630	---	---	---	1,900	81,000	100,000	---	372.79	36.00	336.78	1.43	31
MW-4	11/12/2013	1,200	1.3	<0.50	2.3	2.2	---	96	1,100	---	---	---	470	55,000	170,000	---	372.79	38.15	334.64	1.70	38
MW-4	02/04/2014	1,600	<0.50	<0.50	2.1	<1.0	---	77	990	---	---	---	1,300	48,000	340,000	---	372.79	38.84	333.95	0.74	136
MW-4	05/12/2014	420	<0.50	<0.50	<0.50	<1.0	---	49	170	---	---	---	790	62,000	140,000	---	372.79	37.91	334.88	1.62	44
MW-4	11/25/2014	270	<0.50	<0.50	<0.50	<1.0	---	3.1	<10	<0.50	<0.50	<0.50	4,600	76,000	70,000	---	372.79	41.70	331.09	---	---
MW-4	**04/23/2015**	**1,400**	**2.2**	**<0.50**	**6.4**	**13**	**---**	**46**	**410**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**372.79**	**35.59**	**337.20**	**1.56**	**12**
TB-1	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-1	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-1	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	---	---	---	---	12.54	---	---	---
																	---	12.31	---	---	---
TB-2	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-2	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-2	05/14/2003	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.56	---	---	---
																	---	12.54	---	---	---
TB-3	02/12/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	02/28/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	05/14/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/12/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/28/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
TB-4	05/14/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	373.39	34.55	338.84	---	---
AS-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	373.39	35.08	338.31	---	---
AS-1	09/07/2012	8,500	<50	<50	<50	<100	---	10,000	---	---	---	---	---	---	---	---	373.39	34.55	338.84	1.17	187
EW-1	08/31/2012	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-1	09/07/2012	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-1	09/14/2012	<50	<0.50	<0.50	<0.50	<1.0	---	3.9	<10	---	---	---	---	---	---	---	372.14	19.03	353.11	---	---
EW-1	09/14/2012	1,600 h	3.8 h	0.84 h	20 h	76 h	---	36 h	1,200 h	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-2	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.74	33.61	339.13	---	---
EW-2	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.74	34.16	338.58	---	---
EW-2	09/07/2012	3,600	<25	<25	<25	<50	---	4,100	---	---	---	---	---	---	---	---	372.74	35.02	337.72	1.83	166
EW-2	09/14/2012	3,800	<25	<25	<25	<50	---	3,400	670	---	---	---	---	---	---	---	372.74	---	---	---	---
OBS-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.28	33.50	338.78	---	---
OBS-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.28	35.18	337.10	---	---
P-1	08/31/2012	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.51	---	---	---	---
P-1	09/07/2012	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.51	---	---	---	---
P-2	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.39	33.42	338.97	---	---
P-2	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.39	34.00	338.39	---	---
P-2	09/07/2012	7,700	580	<10	30	<20	---	1,800	---	---	---	---	---	---	---	---	372.39	34.61	337.78	1.62	193
SVE-5	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.93	33.83	339.10	---	---
SVE-5	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.93	35.30	337.63	---	---
SVE-5	09/07/2012	4,200	<25	<25	<25	<50	---	4,900	---	---	---	---	---	---	---	---	372.93	36.20	336.73	1.49	180

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed as noted
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
Nitrate as N and sulfate analyzed by EPA Method 300.0

Table 1

Groundwater Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as $CaCO_3$ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)

Alkalinity as CaCO3 analyzed by SM 2320 B
Ferrous iron analyzed by SM 3500 Fe B
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
DO = Dissolved oxygen
ORP = Oxidation reduction potential
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
mg/L = Milligrams per liter
mV = Millivolts
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Sample was analyzed outside the EPA recommended holding time.
b = Concentration is an estimate value above the linear quantitation range.
c = Hydrocarbon result partly due to individual peak(s) in quantitation range.
d = Analyzed by EPA Method 8015B (M).
e = 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.
f = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
g = Result exceeded calibration range
h = Post pilot test samples
i = Concentration reported is due to the presence of discrete peak of MTBE.

Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying
Site wells surveyed on March 19, 2000 by Virgil Chavez Land Surveying
Site wells surveyed on January 15, 2002 by Virgil Chavez Land Surveying
Site wells surveyed on September 5, 2012 by Virgil Chavez Land Surveying
September 21, 2006 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc.

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
S-A	09/24/1985	7-8.5	---	<20	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	09/27/1985	3.5-5	---	---	---	2.0	<0.10 a	<0.10 a	---	---	<0.40 a	---	---	---	---	---	---
S-B	09/27/1985	7-8.5	---	---	---	460	<2.0 a	2.0 a	---	---	32 a	---	---	---	---	---	---
S-B	09/27/1985	10.5-12	---	---	---	610	<2.0 a	**3.5 a**	---	---	63 a	---	---	---	---	---	---
S-B	09/27/1985	14-15.5	---	---	---	**1,300**	<2.5 a	**9.6 a**	---	---	260 a	---	---	---	---	---	---
S-B	09/27/1985	19-20	---	---	---	<2.0	<0.10 a	<0.10 a	---	---	<0.40 a	---	---	---	---	---	---
S-C	09/27/1985	10.5-12	---	---	---	<2.0	<0.10 a	<0.10 a	---	---	<0.40 a	---	---	---	---	---	---
S-D	09/27/1985	10.5-12	---	---	---	<2.0	<0.10 a	<0.10 a	---	---	<0.40 a	---	---	---	---	---	---
S-E	03/1986	5.5	---	---	---	ND	ND	ND	---	---	ND	---	---	---	---	---	---
S-E	03/1986	10.5	---	---	---	ND	ND	ND	---	---	ND	---	---	---	---	---	---
S-E	03/1986	15.5	---	---	---	ND	ND	ND	---	---	ND	---	---	---	---	---	---
SB-1	03/05/1990	15	---	---	---	4.2	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
SB-1	03/05/1990	35	---	---	---	18	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
SB-1	03/05/1990	50	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
SB-2	03/05/1990	15	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
SB-2	03/05/1990	30	---	---	---	7.2	<0.050	0.17	<0.10	<0.10	---	---	---	---	---	---	---
SB-3	03/05/1990	10	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
SB-3	03/05/1990	30	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
WA-1 (S-1)	03/06/1990	30	---	---	---	**380**	**2.2**	2.7	**5.3**	**32**	---	---	---	---	---	---	---
WA-1 (S-1)	03/06/1990	35	---	---	---	**290**	**1.8**	0.35	0.24	1.5	---	---	---	---	---	---	---
WA-1 (S-1)	03/06/1990	40	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---
WA-1 (S-1)	03/06/1990	50	---	---	---	<1.0	<0.050	<0.10	<0.10	<0.10	---	---	---	---	---	---	---

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
SB-4-15	07/17/1990	15	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
SB-4-35	07/17/1990	35	---	---	---	<1.0	0.023	0.0071	<0.0050	0.0055	---	---	---	---	---	---	---
SB-4-50	07/17/1990	50	---	---	---	<1.0	0.030	0.0059	<0.0050	<0.0050	---	---	---	---	---	---	---
SB-5-35	07/17/1990	35	---	---	---	**820**	**65**	**3.7**	**6.5**	**65**	---	---	---	---	---	---	---
SB-5-40	07/17/1990	40	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
SB-5-50	07/17/1990	50	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
DP-1	09/08/1995	3	---	---	---	1.3	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
DP-1	09/11/1995	6	---	---	---	2.5	<0.0050	<0.0050	0.020	0.035	---	---	---	---	---	---	---
DP-2	09/08/1995	7.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
DP-2-SW	09/08/1995	4	---	---	---	1.7	<0.0050	<0.0050	0.0075	0.017	---	---	---	---	---	---	---
DP-3	09/08/1995	8	---	---	---	120	<0.12	<0.12	<0.12	<0.12	---	---	---	---	---	---	---
DP-4	09/08/1995	8.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
PT-1	09/08/1995	4	---	---	---	2.5	0.0080	<0.0050	0.038	0.19	---	---	---	---	---	---	---
PT-2	09/08/1995	4.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---
SB-6-15.5' (MW-1)	04/09/1999	15.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-19.5' (MW-1)	04/09/1999	19.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-25.0' (MW-1)	04/09/1999	25	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-30.0' (MW-1)	04/09/1999	30	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-35.0' (MW-1)	04/09/1999	35	---	---	---	<1.0	0.0069	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-40.0' (MW-1)	04/09/1999	40	---	---	---	<1.0	<0.0050	0.28	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-6-45.0' (MW-1)	04/09/1999	45	---	---	---	<1.0	**0.10**	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
SB-7-15.0'	04/07/1999	15	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-19.5'	04/07/1999	19.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-24.5'	04/07/1999	24.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-29.3'	04/07/1999	29.3	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-34.3'	04/07/1999	34.3	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-40.0'	04/07/1999	40	---	---	---	83	<0.0050	0.37	0.26	0.26	---	<0.025	---	---	---	---	---
SB-7-44.5'	04/07/1999	44.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.025	---	---	---	---	---
SB-7-59.5'	04/07/1999	59.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.050	---	---	---	---	---
SB-7-64.5'	04/07/1999	64.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.050	---	---	---	---	---
MW-2-6.3'	01/18/2000	6.3	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-2-16.5'	01/18/2000	16.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-2-21.5'	01/18/2000	21.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-2-26.0'	01/18/2000	26	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-2-30.5'	01/18/2000	30.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-2-35.0'	01/18/2000	35	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-3-5.0'	01/18/2000	5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-3-10.5'	01/18/2000	10.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-3-15.5'	01/18/2000	15.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-3-20.5'	01/18/2000	20.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
MW-3-25.5'	01/18/2000	25.5	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	---	<0.050	---	---	---	---	---
WO-1@10	06/10/2005	10	<100	---	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---
WO-1@20	06/10/2005	20	<100	---	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---
WO-1@30	06/10/2005	30	<100	---	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---
WO-2-14	07/20/2006	14	26	---	5.5 b	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	0.021	<0.0050	<0.0050	<0.0050	<0.0050	---
MW-1B@65'	08/23/2006	65	---	---	---	<2.5	<0.025	<0.025	<0.025	<0.050	---	<0.025	<0.250	---	---	---	---
MW-1B@69.5'	08/23/2006	69.5	---	---	---	<2.5	<0.025	<0.025	<0.025	<0.050	---	<0.025	<0.250	---	---	---	---

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4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
MW-1B@95'	08/23/2006	95	---	---	---	<2.5	<0.025	<0.025	<0.025	<0.050	---	<0.025	<0.250	---	---	---	---
MW-4@35'	08/24/2006	35	---	---	---	51	<0.025	<0.025	<0.025	<0.050	---	**0.17**	<0.250	---	---	---	---
MW-4@36.5'	08/24/2006	36.5	---	---	---	380	<0.025	<0.025	1.2	1.6	---	**0.092**	<0.250	---	---	---	---
MW-4@39.5'	08/24/2006	39.5	---	---	---	6.7	<0.025	<0.025	0.050	0.064	---	**0.038**	<0.250	---	---	---	---
MW-4@44.5'	08/24/2006	44.5	---	---	---	<2.5	<0.025	<0.025	<0.025	<0.050	---	**0.59**	<0.250	---	---	---	---
MW-4@50'	08/24/2006	50	---	---	---	<2.5	<0.025	<0.025	<0.025	<0.050	---	**0.56**	<0.250	---	---	---	---
B-1@5	03/27/2007	5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-1@9.5	03/29/2007	9.5	---	---	---	5.4	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-1@14.5	03/29/2007	14.5	---	---	---	0.13 d	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.046**	0.068	---	---	---	---
B-1@19.5	03/29/2007	19.5	---	---	---	0.57 d	<0.010	<0.010	<0.010	<0.010	---	**0.60**	**0.80**	---	---	---	---
B-1@24.5	03/29/2007	24.5	---	---	---	0.92 d	<0.050	<0.050	<0.050	<0.050	---	**0.78**	**0.20**	---	---	---	---
B-1@29.5	03/29/2007	29.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.059**	<0.020	---	---	---	---
B-1@34.5	03/29/2007	34.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.12**	0.033	---	---	---	---
B-2@5	03/27/2007	5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-2@9.5	03/29/2007	9.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-2@14.5	03/29/2007	14.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-2@19.5	03/29/2007	19.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	**0.082**	---	---	---	---
B-2@24.5	03/29/2007	24.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.11**	0.030	---	---	---	---
B-2@29	03/29/2007	29	---	---	---	0.25	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.22**	**0.14**	---	---	---	---
B-2@34.5	03/29/2007	34.5	---	---	---	0.32 d	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.45**	**0.75**	---	---	---	---
B-3@5	03/27/2007	5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-3@9.5	03/28/2007	9.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-3@14.5	03/28/2007	14.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.080**	<0.020	---	---	---	---
B-3@19.5	03/28/2007	19.5	---	---	---	0.11 d	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.14**	0.021	---	---	---	---
B-3@24.5	03/28/2007	24.5	---	---	---	0.45	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.083**	<0.020	---	---	---	---
B-3@29	03/28/2007	29	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	0.016	0.073	---	---	---	---
B-3@34.5	03/28/2007	34.5	---	---	---	710	**0.096**	<0.05	2.3	**16**	---	<0.025	<5.0	---	---	---	---

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4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
B-4@5	03/27/2007	5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-4@9.5	03/28/2007	9.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-4@14.5	03/28/2007	14.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-4@20	03/28/2007	20	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.040**	<0.020	---	---	---	---
B-4@24.5	03/28/2007	24.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.026**	<0.020	---	---	---	---
B-4@29.5	03/28/2007	29.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0063	0.071	---	---	---	---
B-4@35	03/28/2007	35	---	---	---	0.54 d	<0.025	<0.025	<0.025	<0.025	---	**0.80**	**0.63**	---	---	---	---
B-5@5	03/27/2007	5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-5@10.5	03/28/2007	10.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-5@15.5	03/28/2007	15.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-5@20.5	03/28/2007	20.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0054	<0.020	---	---	---	---
B-5@25.5	03/28/2007	25.5	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.020	---	---	---	---
B-5@30	03/28/2007	30	---	---	---	<0.10	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.065**	**0.10**	---	---	---	---
B-5@35	03/28/2007	35	---	---	---	<0.50	<0.025	<0.025	<0.025	<0.025	---	**0.30**	**0.46**	---	---	---	---
Under Dispenser #1	01/22/2009	3	---	---	<9.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.050	<0.010	<0.010	<0.010	---
AS-10@30'	01/14/2010	30	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.50
AS-10@35'	01/14/2010	35	---	---	---	140	<0.50	<0.50	0.50	0.90	---	<0.50	<5.0	<1.0	<1.0	<1.0	<50
AS-10@40'	01/14/2010	40	---	---	---	<50	<0.50 e	<0.50 e	<0.50 e	<0.50 **e**	---	<0.50 e	<5.0 e	<1.0 e	<1.0 e	<1.0 e	<50
AS-10@45'	01/14/2010	45	---	---	---	0.90	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.62**	**0.19**	<0.010	<0.010	<0.010	<0.50
AS-10@50'	01/14/2010	50	---	---	---	1.4	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.36 f**	**0.14**	<0.010	<0.010	<0.010	<0.50
OBS-1@30'	01/13/2010	30	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.50
OBS-1@35'	01/13/2010	35	---	---	---	350	<1.0	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100
OBS-1@40'	01/13/2010	40	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0089	<0.050	<0.010	<0.010	<0.010	<0.50
SVE-1@30'	01/14/2010	30	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.50

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
AS-1-5'	08/22/2012	5	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
AS-1-10'	08/22/2012	10	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
AS-1-15'	08/22/2012	15	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	0.0035	<0.050	---	---	---	---
AS-1-20'	08/22/2012	20	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
AS-1-25'	08/22/2012	25	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
AS-1-30'	08/22/2012	30	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	0.0038	<0.050	---	---	---	---
AS-1-33'	08/22/2012	33	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
AS-1-35'	08/22/2012	35	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	0.0040	<0.050	---	---	---	---
AS-1-40'	08/22/2012	40	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	0.012	**0.61**	---	---	---	---
AS-1-45'	08/22/2012	45	---	---	---	0.55	<0.0024	<0.0024	<0.0024	<0.0049	---	**0.76**	**0.24**	---	---	---	---
EW-1-5.5'	08/20/2012	5.5	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-1-10'	08/20/2012	10	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-1-12.5'	08/20/2012	12.5	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-1-15.5'	08/20/2012	15.5	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-1-17.5'	08/20/2012	17.5	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-1-20.5'	08/20/2012	20.5	---	---	---	0.12	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	**0.083**	---	---	---	---
EW-1-22.5'	08/20/2012	22.5	---	---	---	0.33	<0.0010	<0.0010	<0.0010	<0.0020	---	0.0035	**0.39**	---	---	---	---
EW-2-5.5'	08/20/2012	5.5	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-2-10'	08/20/2012	10	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-2-15'	08/20/2012	15	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-2-20'	08/20/2012	20	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.049	---	---	---	---
EW-2-25'	08/20/2012	25	---	---	---	<0.098	<0.00098	<0.00098	<0.00098	<0.0020	---	<0.0020	<0.049	---	---	---	---

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
EW-2-30'	08/20/2012	30	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
EW-2-35'	08/20/2012	35	---	---	---	110	<0.20	<0.20	<0.20	<0.40	---	<0.50	<10	---	---	---	---
EW-2-40'	08/20/2012	40	---	---	---	0.30	<0.00098	<0.00098	<0.00098	<0.0020	---	**0.094**	<0.049	---	---	---	---
P-1-1.5	08/21/2012	1.5	---	---	---	<0.098	<0.00098	<0.00098	<0.00098	<0.0020	---	<0.0020	<0.049	---	---	---	---
P-1-10	08/21/2012	10	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-1-14.5	08/21/2012	14.5	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-1-16.5	08/21/2012	16.5	---	---	---	0.85	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-1-20	08/21/2012	20	---	---	---	1.0	<0.0010	<0.0010	<0.0010	<0.0020	---	0.0020	**0.21**	---	---	---	---
P-1-21.5	08/21/2012	21.5	---	---	---	0.49	<0.00099	<0.00099	<0.00099	<0.0020	---	0.0029	**0.42**	---	---	---	---
P-2-5.5'	08/22/2012	5.5	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-2-10'	08/22/2012	10	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-2-15'	08/22/2012	15	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-2-20'	08/22/2012	20	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
P-2-25'	08/22/2012	25	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	**0.24**	---	---	---	---
P-2-30'	08/22/2012	30	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	0.0030	0.066	---	---	---	---
P-2-35'	08/22/2012	35	---	---	---	0.24	0.0098	<0.0010	<0.0010	<0.0020	---	**0.080**	**0.29**	---	---	---	---
P-2-40'	08/22/2012	40	---	---	---	0.21	<0.0010	<0.0010	0.0020	<0.0020	---	0.016	**0.20**	---	---	---	---
SVE-5-5.5	08/21/2012	5.5	---	---	---	<0.098	<0.00098	<0.00098	<0.00098	<0.0020	---	<0.0020	<0.049	---	---	---	---
SVE-5-10	08/21/2012	10	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	<0.0020	<0.050	---	---	---	---
SVE-5-15	08/21/2012	15	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
SVE-5-20	08/21/2012	20	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
SVE-5-25	08/21/2012	25	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	<0.0020	<0.050	---	---	---	---
SVE-5-30	08/21/2012	30	---	---	---	<0.10	<0.0010	<0.0010	<0.0010	<0.0020	---	0.0025	<0.050	---	---	---	---
SVE-5-35	08/21/2012	35	---	---	---	<0.099	<0.00099	<0.00099	<0.00099	<0.0020	---	0.0028	<0.049	---	---	---	---
SVE-5-40	08/21/2012	40	---	---	---	0.21	<0.0019	<0.0019	<0.0019	<0.0039	---	**0.13**	<0.097	---	---	---	---
Shallow Soil (≤10 fbg) ESL [g]:			***NA***	***500***	***110***	***500***	***0.044***	***2.9***	***3.3***	***2.3***	***NA***	***0.023***	***0.075***	***NA***	***NA***	***NA***	***NA***
Deep Soil (>10 fbg) ESL [g]:			***NA***	***1,000***	***110***	***770***	***0.044***	***2.9***	***3.3***	***2.3***	***NA***	***0.023***	***0.075***	***NA***	***NA***	***NA***	***NA***

Table 2

Historical Soil Analytical Data - Petroleum Hydrocarbons, Fuel Oxygenates, and Ethanol
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	E & X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)

Notes:
O&G = Oil and grease analyzed by EPA Method 1664 A (Modified)
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015 (Modified)
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015 (Modified)
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before July 6, 2006, analyzed by EPA Method 8015
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before July 6, 2006, analyzed by EPA Method 8020 unless otherwise noted
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B; before July 6, 2006, analyzed by EPA Method 8020
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
Ethanol analyzed by EPA Method 8260B
fbg = Feet below grade
mg/kg = Milligrams per kilogram
ND = Not detected; detection limit unknown
<x = Not detected at reporting limit x
--- = Not analyzed
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

a = Analyzed by EPA Method 8015
b = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.
d = Hydrocarbon result partly due to individual peak(s) in quantitation range
e = The reporting limit is elevated resulting from matrix interference.
f = Results were evaluated to the MDL, and concentration was >= to the MDL but < RL
g = 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 *User's Guide: Derivation and Application of Environmental Screening Levels* , RWQCB, Interim Final 2013).

Table 3

Historical Soil Vapor Analytical Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg ($\mu g/m^3$)	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	X ($\mu g/m^3$)	MTBE ($\mu g/m^3$)	TBA ($\mu g/m^3$)	DIPE ($\mu g/m^3$)	ETBE ($\mu g/m^3$)	TAME ($\mu g/m^3$)	Naph-thalene ($\mu g/m^3$)	Ethanol ($\mu g/m^3$)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
SV-1	09/05/2012	5	<3,800	<16	53	<22	<43	<36	---	---	---	---	---	---	<0.500	12.9	7.66	<0.0100
SV-1	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	6.4	8.83	0.144
SV-2	09/05/2012	5	<3,800	<16	23	<22	<43	<36	---	---	---	---	---	---	<0.500	6.85	15.5	<0.0100
SV-2	04/13/2013	5	<100,000	<2,000	<2,000	<2,000	<6,000	<2,000	0	---	---	---	---	---	---	---	---	---
SV-2	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	4.42	15.8	0.116
SV-3	09/05/2012	5	<3,800	<16	24	<22	<43	<36	---	---	---	---	---	---	<0.500	7.44	11.8	<0.0100
SV-3	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	3.40	14.9	0.0553
SV-4	09/05/2012	5	<3,800	<16	33	<22	<43	<36	---	---	---	---	---	---	<0.500	5.22	15.1	<0.0100
SV-4	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	2.50	14.2	0.0328
SV-5	09/05/2012	5	<3,800	<16	21	<22	<43	<36	---	---	---	---	---	---	<0.500	2.44	19.4	<0.0100
SV-5	04/08/2014	5	Unable to sample, water in probe			---	---	---	---	---	---	---	---	---	---	---	---	---
SV-6	09/05/2012	5	<3,800	<16	24	<22	<43	<36	---	---	---	---	---	---	<0.500	4.08	18.7	<0.0100
SV-6	04/08/2014	5	Unable to sample, water in probe			---	---	---	---	---	---	---	---	---	---	---	---	---
SV-7	09/05/2012	5	<3,800	<16	24	<22	<43	<36	---	---	---	---	---	---	<0.500	11.4	9.66	<0.0100
SV-7	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	7.10	10.1	0.0396
SV-8	09/05/2012	5	<3,800	<16	26	<22	<43	<36	---	---	---	---	---	---	<0.500	5.50	15.5	<0.0100
SV-8	04/08/2014	5	<3,800	<16	<19	<22	<43	<36	<30	<42	<42	<42	<52	<94	<0.500	3.32	13.0	0.0449
Residential land use ESLs [a]			***300,000***	***42***	***160,000***	***490***	***52,000***	***4,700***	***NA***	***NA***	***NA***	***NA***	***36***	***NA***	***NA***	***NA***	***NA***	***NA***
Commercial land use ESLs			***250,000***	***420***	***1,300,000***	***4,900***	***440,000***	***47,000***	***NA***	***NA***	***NA***	***NA***	***360***	***NA***	***NA***	***NA***	***NA***	***NA***

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method TO-3M

BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260B (M)

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B (M)

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B (M)

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B (M)

Table 3

Historical Soil Vapor Analytical Data
Shell-branded Service Station
4212 First Street, Pleasanton, California

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B (M)
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B (M)
Naphthalene and ethanol analyzed by EPA Method 8260B (M)
Methane, carbon dioxide, and oxygen + argon analyzed by ASTM D-1946
Helium analyzed by ASTM D-1946 (M)
fbg = Feet below grade
$\mu g/m^3$ = Micrograms per cubic meter
%*v* = Percent by volume
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = No applicable ESL

a = San Francisco Bay Regional Water Quality Control Board (RWQCB) shallow soil gas screening level for evaluation of potential vapor intrusion concerns from RWQCB's *User's Guide: Derivation and Application of Environmental Screening Levels,* RWQCB, Interim Final 2013.

ATTACHMENT 8

Predicted Time to Reach Environmental Screening Levels (ESL) in Well MW-1

Shell-branded Service Station, 4212 First Street, Pleasanton, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)
Given					
ESL :	y	100	1.0	5.0	12
Constant:	b	1.87E+74	NA	1.55E+21	NA
Constant:	a	-3.92E-03	NA	-9.99E-04	NA
Starting date for current trend:		5/14/2013	NA	5/13/2010	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25	0.48	NA	1.90	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Mar 2016	Stable	Apr 2029	Stable

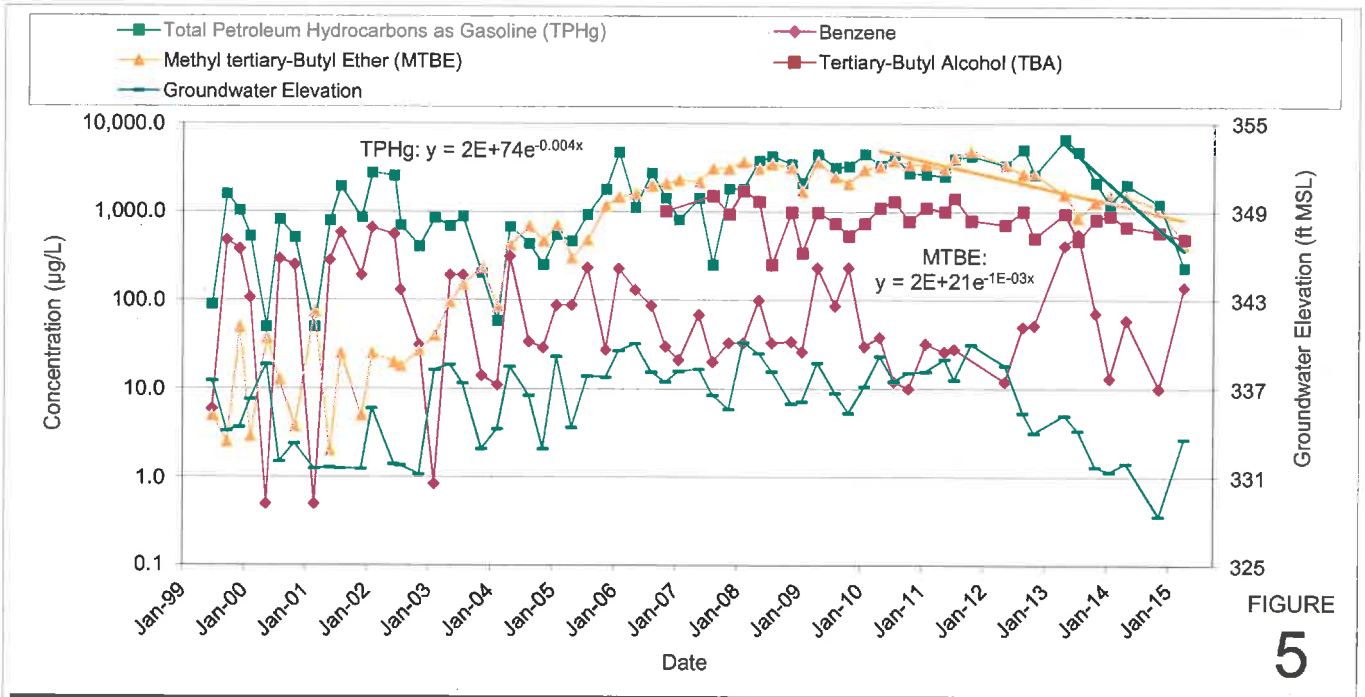


FIGURE 5

Shell-branded Service Station
4212 First Street
Pleasanton, California

MW-1:
TPHg, Benzene, MTBE, and TBA Concentrations and Groundwater Elevations versus Time

Predicted Time to Reach Environmental Screening Levels (ESL) in Well MW-2

Shell-branded Service Station, 4212 First Street, Pleasanton, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L, a = decay constant
b = concentration at time (x), x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)
Given				
ESL :	y	100	5.0	12
Constant:	b	6.74E+08	NA	NA
Constant:	a	-3.14E-04	NA	NA
Starting date for current trend:		2/11/2010	NA	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	6.05	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Apr 2037	Stable	Stable

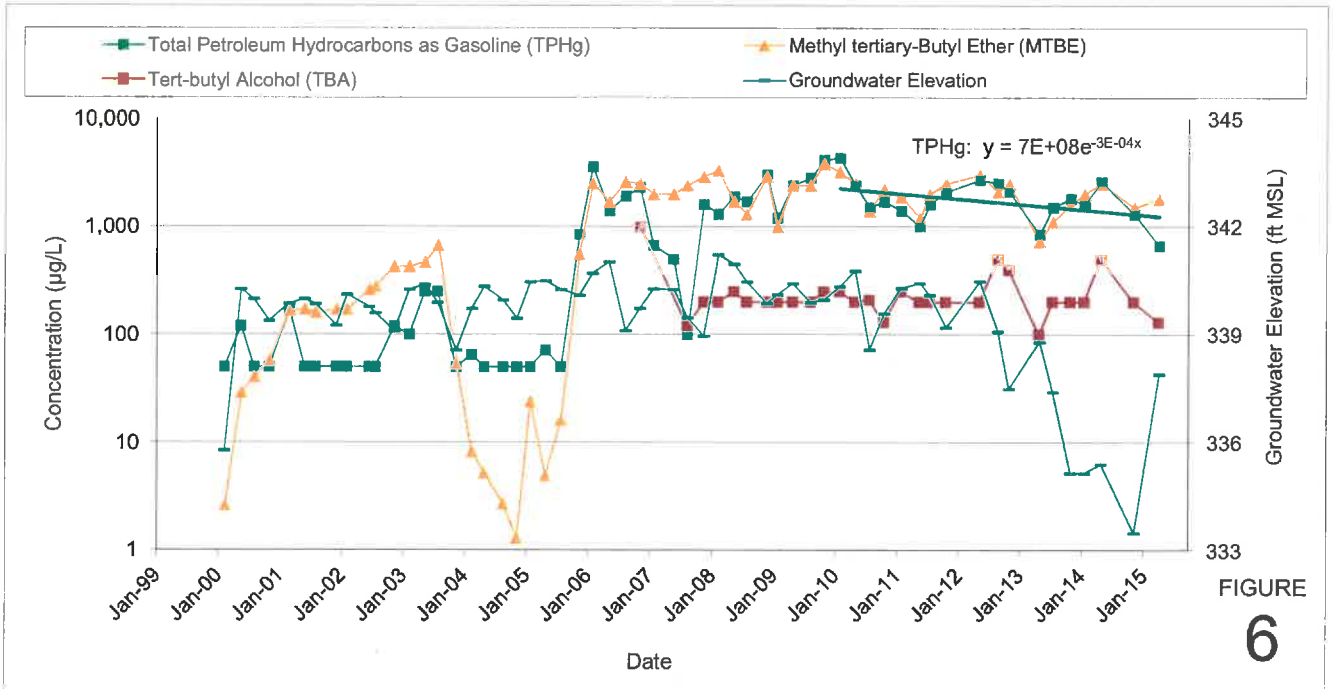


FIGURE 6

Shell-branded Service Station
4212 First Street
Pleasanton, California

MW-2:
TPHg, MTBE, and TBA Concentrations and Groundwater Elevations versus Time

Predicted Time to Reach Environmental Screening Levels (ESL) in Well MW-4

Shell-branded Service Station, 4212 First Street, Pleasanton, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)
Given					
ESL :	y	100	1.0	5.0	12
Constant:	b	1.27E+25	4.16E+46	6.04E+51	7.52E+30
Constant:	a	-1.22E-03	-2.57E-03	-2.74E-03	-1.57E-03
Starting date for current trend:		8/7/2008	2/5/2009	11/26/2007	2/11/2010
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.56	0.74	0.69	1.21
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Sep 2019	May 2014	May 2017	Nov 2019

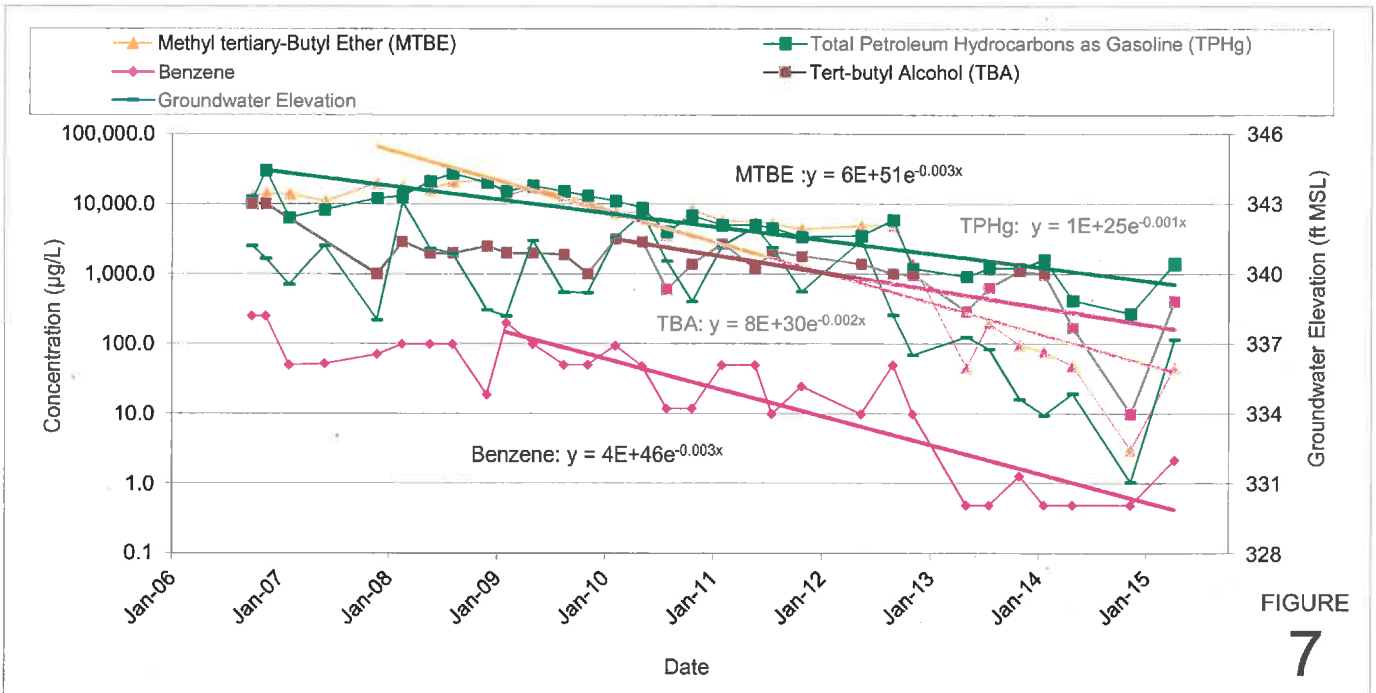
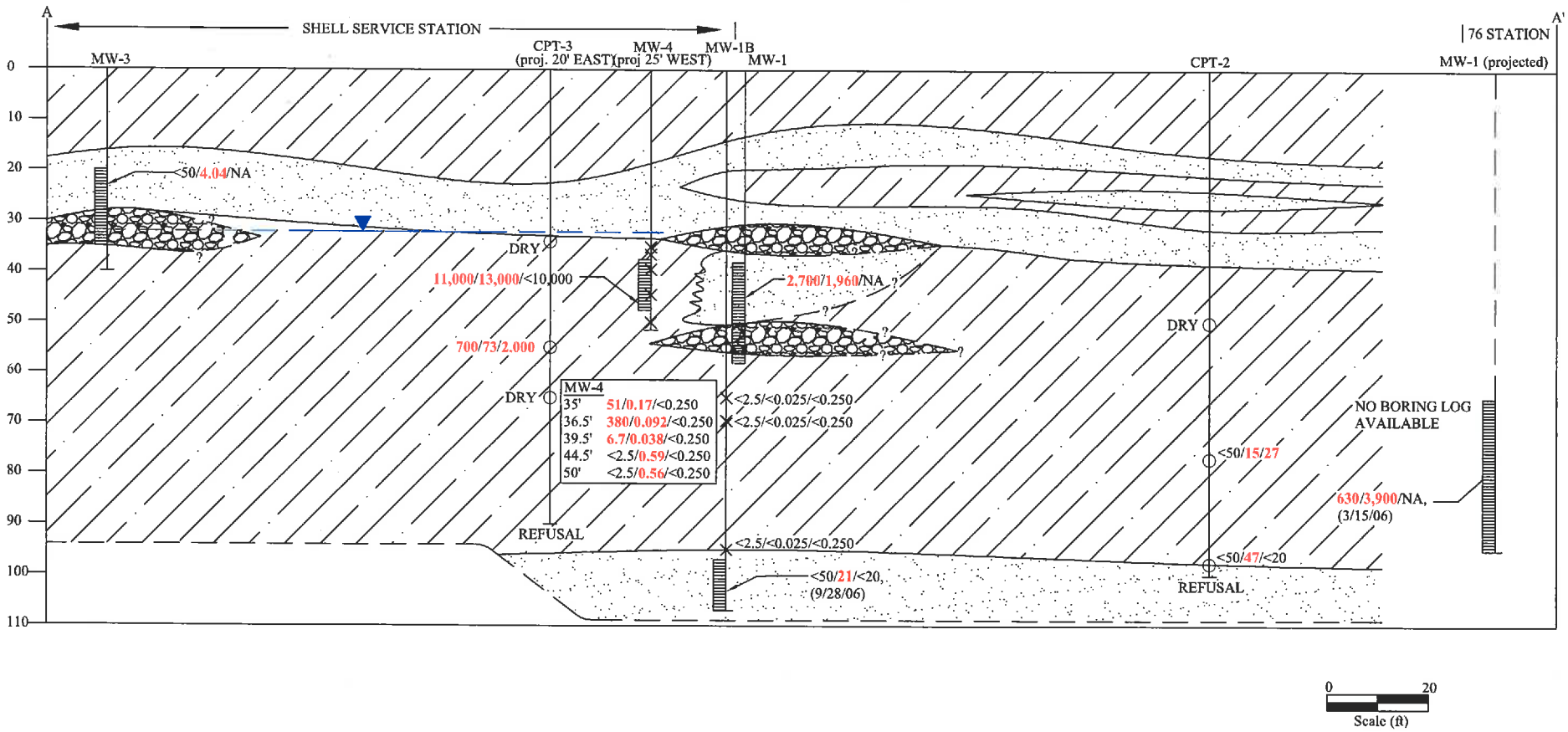


FIGURE 7

Shell-branded Service Station
4212 First Street
Pleasanton, California

MW-4:
TPHg, Benzene, MTBE, and TBA
Concentrations and Groundwater Elevations



LEGEND

MW-1 WELL/BORING IDENTIFICATION

SCREENED INTERVAL

(<50/21/<20) TPH-G/MTBE/TBA CONCENTRATIONS GROUNDWATER (µg/L), AUGUST 21, 2006

<50/47/<20 TPH-G/MTBE/TBA CONCENTRATIONS IN GROUNDWATER (µg/L), AUGUST 15 AND SEPTEMBER 29,2006

<2.5/<0.025/<0.250 TPH-G/MTBE/TBA CONCENTRATIONS IN SOIL (mg/kg)

GROUNDWATER ELEVATION

NA NOT ANALYZED

CLAY; SILT; SANDY SILT

SILTY SAND; CLAYEY SAND WITH GRAVEL SAND; GRAVELLY SAND

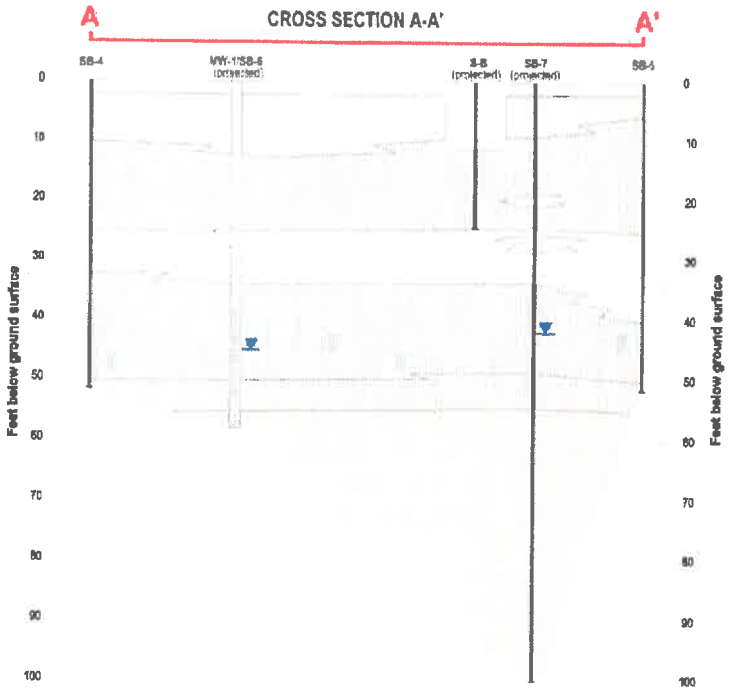
SANDY GRAVEL; GRAVEL

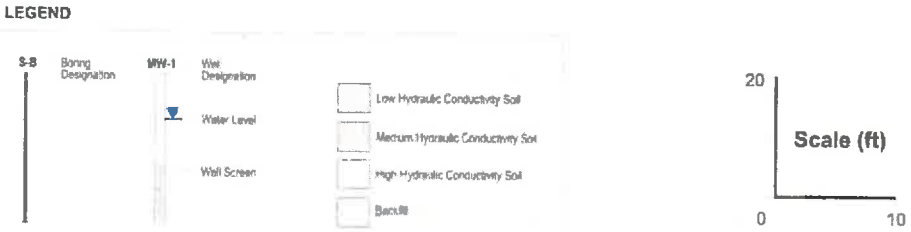
FIGURE 3
GEOLOGIC CROSS SECTION A-A'

SHELL SERVICE STATION
4212 FIRST ST.
PLEASANTON, CA

PROJECT NO.	DRAWN BY BH 10/19/06
FILE NO.	PREPARED BY HB
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.





Shell-branded Service Station

4226 First Street
Pleasanton, California

Designed By:	Drawn By:	Approved By:
B. Jakub	G. Glasser	B. Jakub

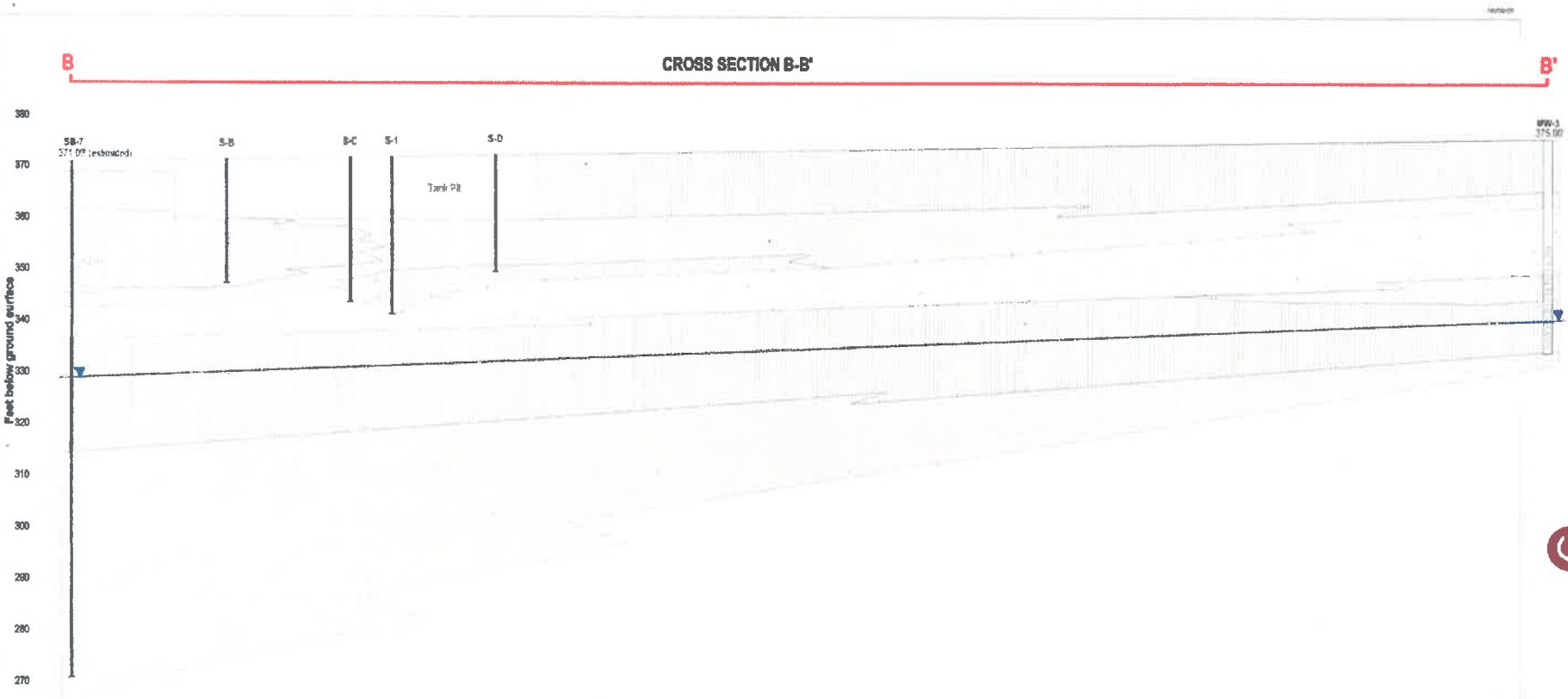
Revisions By:
Date
Description

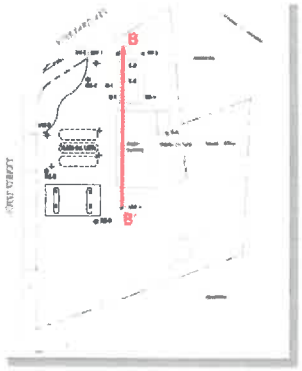
Geologic Cross Section

Incident #98995840

CAMBRIA

FIGURE 4





LEGEND

S-B — Boring Designation

MW-1 — Well Designation

Water Level

Well Screen

Low Hydraulic Conductivity Soil

Medium Hydraulic Conductivity Soil

High Hydraulic Conductivity Soil

Backfill

20

Scale (ft)

0 10

FIGURE

5

Geologic Cross Section B-B'

Shell-branded Service Station

4226 First Street

Pleasanton, California

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