AMEDA COUNTY
EALTH CARE SERVICES AGENCY
PARTMENT OF ENVIRONMENTAL HEALTH
31 Harbor Bay Parkway, Suite 250
ameda, CA 94502-6577

Closure
Mark

Not at this address

Simpasco

000464

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

December 12, 2014

Ms. Alexis Coulter
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via electronic mail to acoulter@chevron.com)

Mr. Mark Gomez
City of Oakland
250 Frank Ogawa Plaza,
Suite 5301
Oakland, CA, 9461
(sent via electronic mail to mgomez@oaklandnet.com)

Simgas LLC
655 Montgomery St #1900
San Francisco, CA 94111

Gurinder Grewal & Navdeep Singh Grewal
349 Brianne Ct.
Pleasanton, CA 94566
(sent via electronic mail to grewalngns@yahoo.com)

Subject: Case Closure for Fuel Leak Case No. RO0000464; (Global ID # T0600102238); Chevron #9-1851, 451 Hegenberger Road, Oakland, CA 94612

Dear Ladies and Gentlemen:

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,

Ariu Levi
Director

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

December 12, 2014

Ms. Alexis Coulter
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via electronic mail to acoulter@chevron.com)

Mr. Mark Gomez
City of Oakland
250 Frank Ogawa Plaza,
Suite 5301
Oakland, CA, 9461
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Subject: Case Closure for Fuel Leak Case No. RO0000464; (Global ID # T0600102238); Chevron #9-1851, 451 Hegenberger Road, Oakland, CA 94612

Dear Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

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

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

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

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

Cc w/enc.: Leroy Griffin, Oakland Fire Department 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032; (sent via electronic mail to lgriffin@oaklandnet.com)

Gopakumar Nair, City of Oakland Public Works, 250 Frank H. Ogawa Plaza, Suite 4314, Oakland, CA 94612; (sent via electronic mail to gnair@oaklandnet.com)

Mark Arniola, City of Oakland Public Works, 250 Frank H. Ogawa Plaza, Suite 5301, Oakland, CA 94612; (sent via electronic mail to marniola@oaklandnet.com)

Nathan Lee, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608 (sent via electronic mail to nlee@craworld.com)

Bob Clark-Riddell, Pangea Environmental Services, Inc., 1710 Franklin Street, Suite 200, Oakland, CA 94612 (sent via electronic mail to BRiddell@pangeaenv.com)

Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
eFile, GeoTracker

UST Case Closure Summary Form

Agency Information Date: December 12, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

Case Information

Site Facility Name: Chevron #9-1851		
Site Facility Address: 451 Hegenberger Road, Oakland, CA 94621		
RB LUSTIS Case No: 01-2429	Local Case No.: 541	LOP Case No.: RO0000464
URF Filing Date:	GeoTracker Global ID: T0600102238	
APN: 42-4425-10-12	Current Land Use: Active fueling station	
Responsible Party(s):	Address:	Phone:
Chevron Environmental Management Company c/o Alexis Coulter	6111 Bollinger Canyon Road, Room 3660 San Ramon, CA 94583	(925) 543-2961
City of Oakland c/o Mark Gomez	250 Frank Ogawa Plaza, Suite 5301 Oakland, CA 94612-2034	(510) 238-7314
Simgas LLC	655 Montgomery Street #1900 San Francisco, CA 94111	----
Gurinder Grewal and Navdeep Singh Grewal	349 Brianne Court Pleasanton, CA 94566	----

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
	1,000	Waste Oil	Removed	12/17/1998
	10,000	Diesel /	Removed	9/18/2012

Conceptual Site Model (Attachment 1, 2 pages)

Closure Criteria Met (Attachment 2, 1 page)

LTCP Groundwater Specific Criteria (Attachment 3, 1 page)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

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

Optional Site Maps (Attachment 6, 17 pages)

Analytical Data (Attachment 7, 34 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). Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air, and therefore has not been evaluated for vapor intrusion.

The site also does not meet the direct contact media-specific criteria; however, as a commercial fueling facility, maintenance or construction workers employed at the facility are required by California regulations to be trained in health and safety concerns associated with volatile motor fuels, and thus are expected to be prepared for potential exposures in their standard work routines. Potential exposures to the general public are expected to be transitory and could occur only while temporarily present for the purpose of fueling their vehicles or obtaining related automotive services. As an active fueling station the site is entirely paved except for limited areas around the perimeter of the site, and exposure to site soils is prevented, except in controlled conditions under the current land use. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans.

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

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

RWQCB Notification Notification Date: May 27, 2014

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Mark Detterman	Title: Senior Hazardous Materials Specialist
Signature: Mark Detterman	Date: Dec. 12, 2014
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 12/12/2014

UST Case Closure Summary Form

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

CHEVRON #9-1851 (T0600102238) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

451 HEGENBERGER ROAD
OAKLAND, CA 94621
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT
PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000484
CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2429
CASEWORKER: Chesle McCaulou - SUPERVISOR: Cheryl L. Prowell

CUF Claim #: 15501 - CUF Priority Assigned: D - CUF Amount Paid: $0

GR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY MARK DETTERMAN ON 12/4/2014 3:07:44 PM - HISTORY

THIS SITE HAS UNAPPROVED 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 SCUFIS)

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
15501	D	CHEVRON PRODUCTS COMPANY 6101 BOLLINGER CANYON RD BLD BR1X #6339, SAN RAMON CA 94583	451 HEGENBERGER RD OAKLAND, CA 94621				1	Abdul Karim Yusufzai	Recommended Case Closure	3/24/2014	

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

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
CHEVRON #9-1851 (Global ID: T0600102238) 451 HEGENBERGER ROAD OAKLAND, CA 94621	Open - Eligible for Closure	5/27/2014	2/23/1996	19	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000484 CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2429 CASEWORKER: Chesle McCaulou - SUPERVISOR: Cheryl L. Prowell

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

SITE HISTORY
Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

In October 1995 wells MW-1 to MW-4, and soil bore SB-1 were installed at the site. In December 1998 a used oil UST was removed; free product was observed on groundwater. Soil sampling was conducted under the gasoline dispensers. In October 2000 wells MW-5 to MW-7 were installed. Between 2001 and 2005 eight events of overpurging of site wells occurred in an attempt to remove free phase and elevated concentrations. In March 2012 bores B-1 to B-5 were installed in order to delineate the extent of waste oil contamination and free phase product around destroyed well MW-2. In August 2012 soil bores B-6 to B-17, and B-22 were installed in preparation to delineate the water oil contamination for a remedial excavation. Soil bores B-18 to B-21 were used to pre-profile the soil for offsite disposal. The excavation was completed by November 2012. In September 2012 a 10,000-gallon diesel UST and related equipment were removed from the site. This UST had previously contained methanol.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
AARON COSTA	CHEVRON CORPORATION	6111 BOLLINGER CANYON ROAD RM 3650	SAN RAMON	
GURINDER GREWALL	Gurinder Grewall	349 BRIANNE CT	PLEASANTON	
MARK GOMEZ	CITY OF OAKLAND	250 FRANK OGAWA PLAZA STE #5301	OAKLAND	
SINGH NAVDEEP	Singh Navdeep	349 BRIANNE CT	PLEASANTON	

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
EXCAVATION	11/6/2012	11/26/2012	Soil	910 Tons	

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, MTBE / TBA / Other Fuel Oxygenates, Waste Oil / Motor / Hydraulic / Lubricating	Commercial	GW - Municipal and Domestic Supply	Piping, Tank	2/23/1996	Close and Remove Tank, 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	EBMUD	5/28/2014	11/21/2014	6/6/2014		1/11/2013

GDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
042 442501008	Santa Clara Valley - East Bay Plain (2-9.04)	South Bay - East Bay Cities (20420)

COUNTY	PUBLIC WATER SYSTEM(S)
Alameda	• EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607

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

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
B-1	3/26/2012	OTHER	0.6 UG/L	ND	ND	ND	5 UG/L	9 UG/L
B-2	3/26/2012	OTHER	100 UG/L	6 UG/L	10 UG/L	52 UG/L	24 UG/L	8 UG/L
B-3	3/26/2012	OTHER	0.6 UG/L	ND	ND	ND	16 UG/L	33 UG/L
B-5	3/27/2012	OTHER	ND	ND	ND	ND	6 UG/L	9 UG/L
MW-1	2/28/2013	OTHER	ND	ND	ND	ND	2 UG/L	
MW-2	3/31/2009		ND	ND	ND	ND	46 UG/L	
MW-2-POST	10/13/2005	OTHER	ND	ND	ND	ND	9 UG/L	
MW-2-PRE	10/13/2005	OTHER	ND	ND	ND	ND	14 UG/L	
MW-3	9/13/2012	OTHER	ND	ND	ND	ND	24 UG/L	
MW-4	3/18/2014	OTHER	ND	ND	ND	ND	29 UG/L	
MW-4-POST	10/13/2005	OTHER	ND	ND	ND	ND	100 UG/L	
MW-4-PRE	10/13/2005	OTHER	ND	ND	ND	ND	350 UG/L	
MW-5	3/18/2014	OTHER	ND	ND	ND	ND	4 UG/L	
MW-6	2/28/2013	OTHER	ND	ND	ND	ND	8 UG/L	
MW-7	9/13/2012	OTHER	ND	ND	ND	ND	3 UG/L	
MW-7-POST	10/13/2005	OTHER	ND	ND	ND	ND	32 UG/L	
MW-7-PRE	10/13/2005	OTHER	ND	ND	ND	ND	34 UG/L	
QA	3/23/2011		ND	ND	ND	ND	ND	
QCTB	9/21/2013		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
B-1	3/26/2012		ND	ND	ND	ND	0.001 MG/KG	ND
B-2	3/26/2012		0.021 MG/KG	0.002 MG/KG	0.006 MG/KG	0.041 MG/KG	0.009 MG/KG	ND
B-23	8/5/2013		ND	ND	ND	ND	ND	ND
B-3	3/26/2012		0.002 MG/KG	ND	ND	ND	0.005 MG/KG	ND
B-4	3/27/2012		ND	ND	ND	ND	0.003 MG/KG	ND
B-5	3/27/2012		ND	ND	ND	0.001 MG/KG	0.0009 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	3/18/2014			
MW-2	9/13/2012	4.66	Y	4.66
MW-3	9/13/2012	4.31	N	
MW-4	3/18/2014	4.46	N	
MW-5	3/18/2014	5.03	N	
MW-6	9/21/2013			
MW-7	9/13/2012	6.18	N	

LOGGED IN AS MARKDETT

CONTACT GEOTRACKER HELP

ATTACHMENT 2

LTCP Checklist Go

CHEVRON #9-1851 (T0600102238) - Map THIS SITE — OPEN - ELIGIBLE FOR CLOSURE

451 HEGENBERGER ROAD
OAKLAND , CA 94621
ALAMEDA COUNTY
VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT
PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000164
CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2429
CASEWORKER: Chris McCabe - SUPERVISOR: Cheryl L. Prowell
CUF Claim #: 15501 CUF Priority Assigned: D CUF Amount Paid: $0

THIS PROJECT WAS LAST MODIFIED BY MARK DETTERMAN ON 6/25/2014 9:41:44 AM - HISTORY

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

CLOSURE POLICY

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? Name of Water System: EBMUD		* YES	NO
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
1.2 - The contaminant plume that exceeds water quality objectives is <250 feet in length. There is no free product. The nearest existing water supply well or surface water body is >1,000 feet from the defined plume boundary. The dissolved concentration of benzene is <3,000 µg/L. The dissolved concentration of MTBE is <1,000 µg/L.		* 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
3.3 - The regulatory agency has determined the concentration of petroleum constituents in soil will have no significant risk or adversely affect human health.		* 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 13/14?		* YES	NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS MARKDETT

CONTACT GEOTRACKER HELP

ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: Scenario 2

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	200 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 and Decreasing	**Stable or decreasing**	**Stable or decreasing**	**Stable or decreasing for minimum of 5 Years**	**Stable or decreasing**
Distance to Nearest Water Supply Well	1,500 feet crossgradient	**>250 feet**	**>1,000 feet**	**>1,000 feet**	**>1,000 feet**
Distance to Nearest Surface Water and Direction	1,380 feet downgradient, San Leandro Creek Channel	**>250 feet**	**>1,000 feet**	**>1,000 feet**	**>1,000 feet**
Property Owner Willing to Accept a Land Use Restriction?	Not applicable for groundwater specific criteria.	**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	715	<0.5	No criteria	**3,000**	No criteria	1,000
MTBE	16,100	31	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?	----

Comments: The closest open water body is the unlined San Leandro Creek channel at a distance of approximately 1,500 feet downgradient to the southwest.

Using the water well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) tool indicates no public water supply wells, no Calif. Dept. of Public Health (CDPH) wells, no Dept. Pesticide Regulation (DPR), and no Dept. of Water Resources (DWR) water wells within a 2,000 foot radius.

Using the Alameda County Public Works Agency (ACPWA) resources for water wells indicates the closest water supply well to the subject site is approximately 1,500 feet to the south. Based on the predominant flow of groundwater at the site the well is in a crossgradient direction and is over ¼-mile from the site. It is not expected to be a receptor based on the direction of groundwater flow at the site, the extent, and decreasing size of the plume. No other water supply wells were identified within 1,500 feet of the site.

ATTACHMENT 4

LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: Active fueling station exempt from vapor specific criteria.

Active Fueling Station	Active as of 12/12/2014

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	<5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	3,800 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	< 0.5 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	----	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	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<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: The site is an active service station and has not been evaluated for the potential of vapor intrusion. Please see the Site Management Requirements.

ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures.

Are maximum concentrations less than those in Table 1 below?	No

Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	200	0.63	200	0.63	200
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	310	12	310	12	310
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	---	1.5	---	1.5	1.5
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5

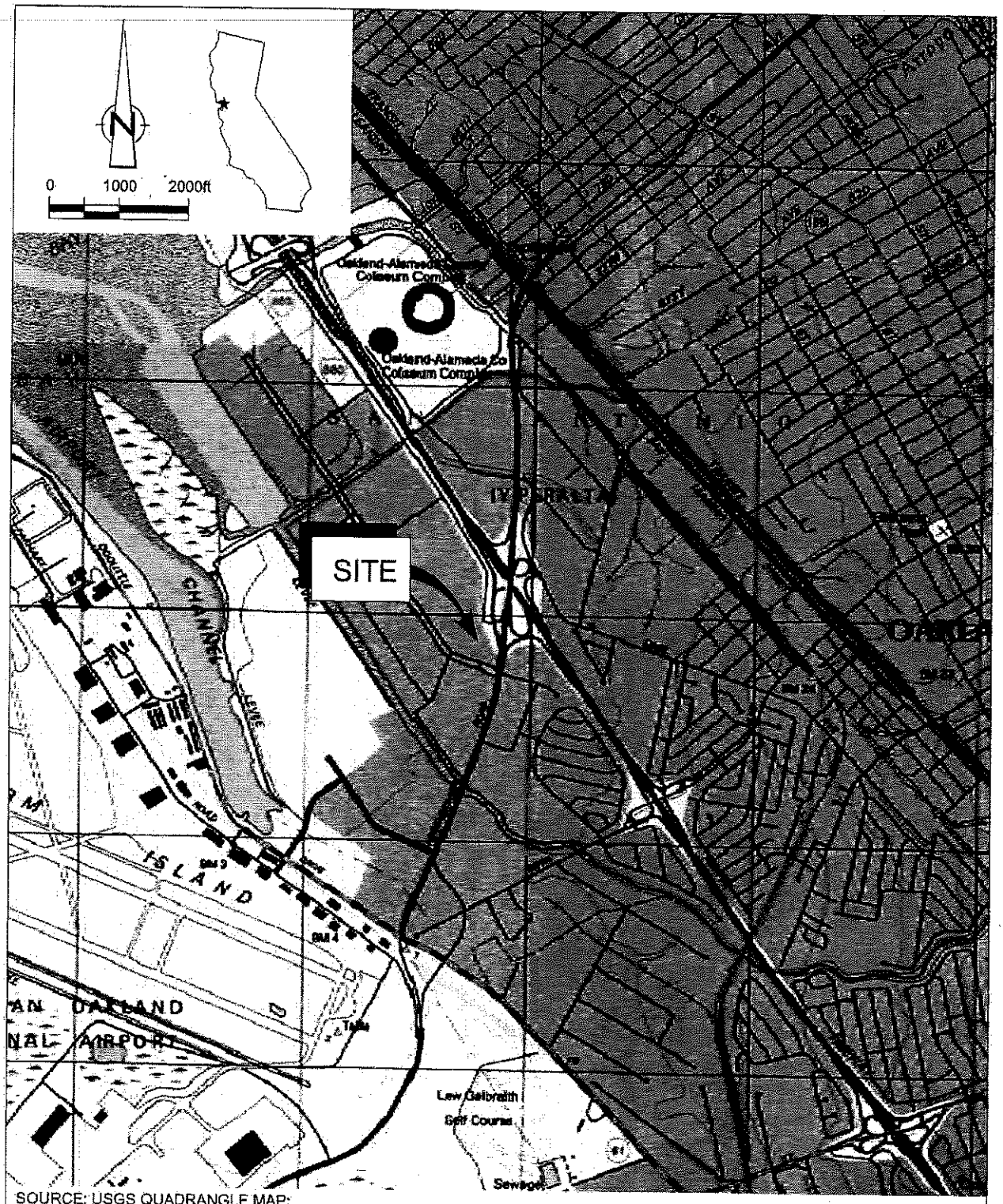
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?	----
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?	Yes

Comments: The maximum concentration of gasoline remaining at the site is reported to be 3,800 milligrams per kilogram (mg/kg) at a depth of 2 feet below grade surface (bgs). The LUFT manual indicates that naphthalene is present at an average of 0.25% and a maximum of 0.36% in fresh gasoline product. This indicates that naphthalene may be present at a concentration up to 13.68 mg/kg in this sample. This is below the Table 1 criteria for a commercial facility. Poly-Aromatic Hydrocarbons (PAHs) were not analyzed for in soil samples. The maximum concentration of motor oil remaining at the site is reported to be 150 mg/kg at a depth of 6 feet bgs. The potential for PAH concentrations to be present above the Table 1 values is considered to be unlikely.

The maximum concentration of benzene and ethylbenzene documented at the site are reported to be 200 and 310 mg/kg. These concentrations are above Table 1 values for all categories. However, the analytical data is older (1998) and has likely degraded in the intervening 16 years. The residual concentrations are located beneath a dispenser and are generally isolated beneath pavement. Additionally, concentrations in groundwater downgradient of the dispenser do no indicate a significant source to be present. Therefore the site is considered to have a low risk to human health. Except for limited areas around the perimeter of the site, the site is entirely paved and exposure to site soils is prevented, except in controlled conditions. Additionally, exposure to contaminated soil and soil vapors is limited by low permeability pavements. As a commercial fueling facility, maintenance or construction workers employed at the facility are required by California regulations to be trained in health and safety concerns associated with volatile motor fuels, and thus are expected to be prepared for potential exposures in their standard work routines. Potential exposures to the general public are expected to be transitory and could occur only while temporarily present for the purpose of fueling their vehicles or obtaining related automotive services.

ATTACHMENT 6

Edgewater Dr
Edgewater Dr
Edgewater Dr
Edgewater Dr

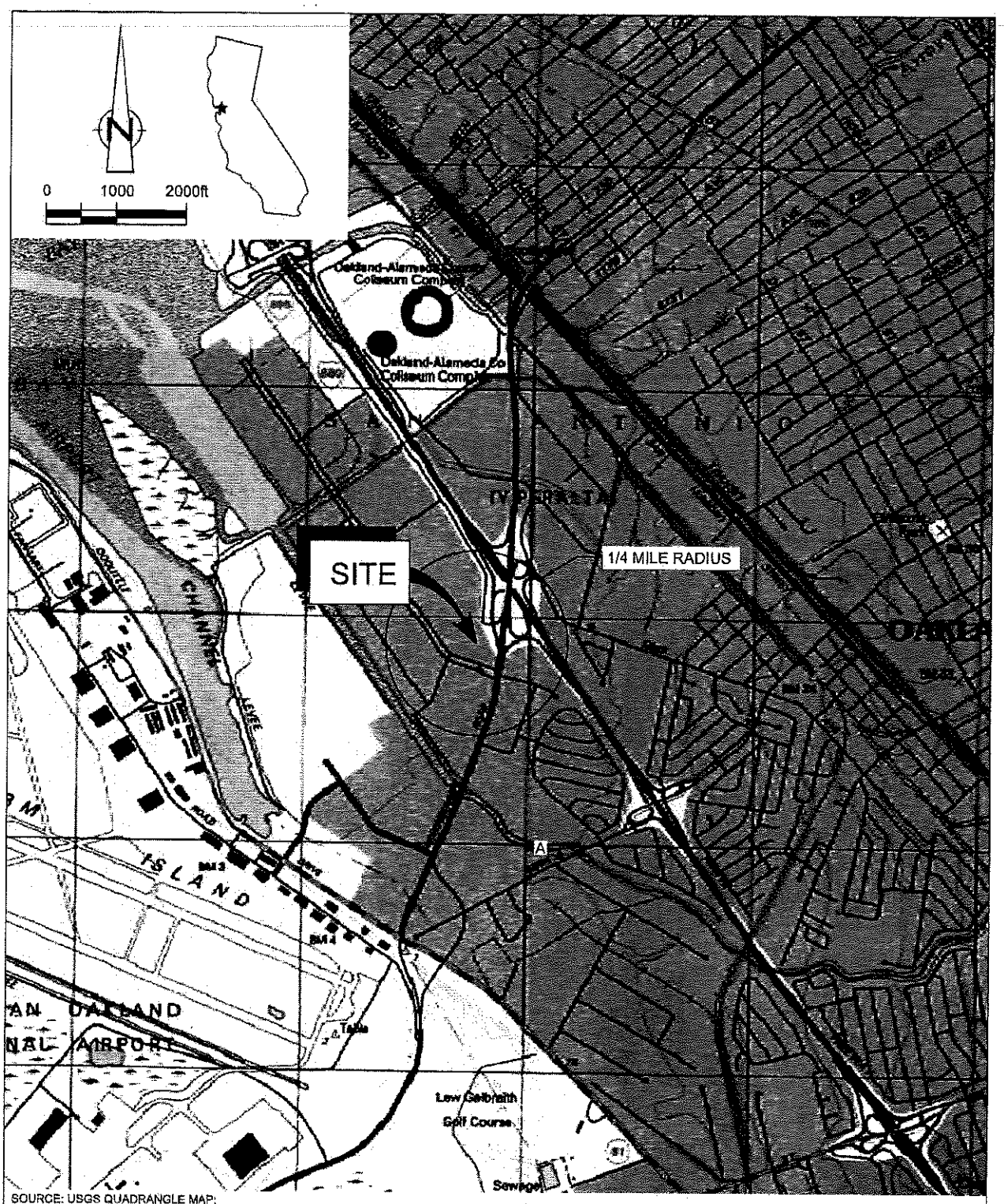


SOURCE: USGS QUADRANGLE MAP;
EAST OAKLAND, CALIFORNIA; DATE: 1997
SAN LEANDRO, CALIFORNIA; DATE: 1993

Figure 1

VICINITY MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-95(021)GN-EM001 JAN 22/2013



SOURCE: USGS QUADRANGLE MAP;
EAST OAKLAND, CALIFORNIA; DATE: 1997
SAN LEANDRO, CALIFORNIA; DATE: 1993

LEGEND

A ▲ IRRIGATION WELL
(191 98TH STREET, OAKLAND, CA.)

Figure 13

SENSITIVE RECEPTOR SURVEY MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA001 APR 5/2013

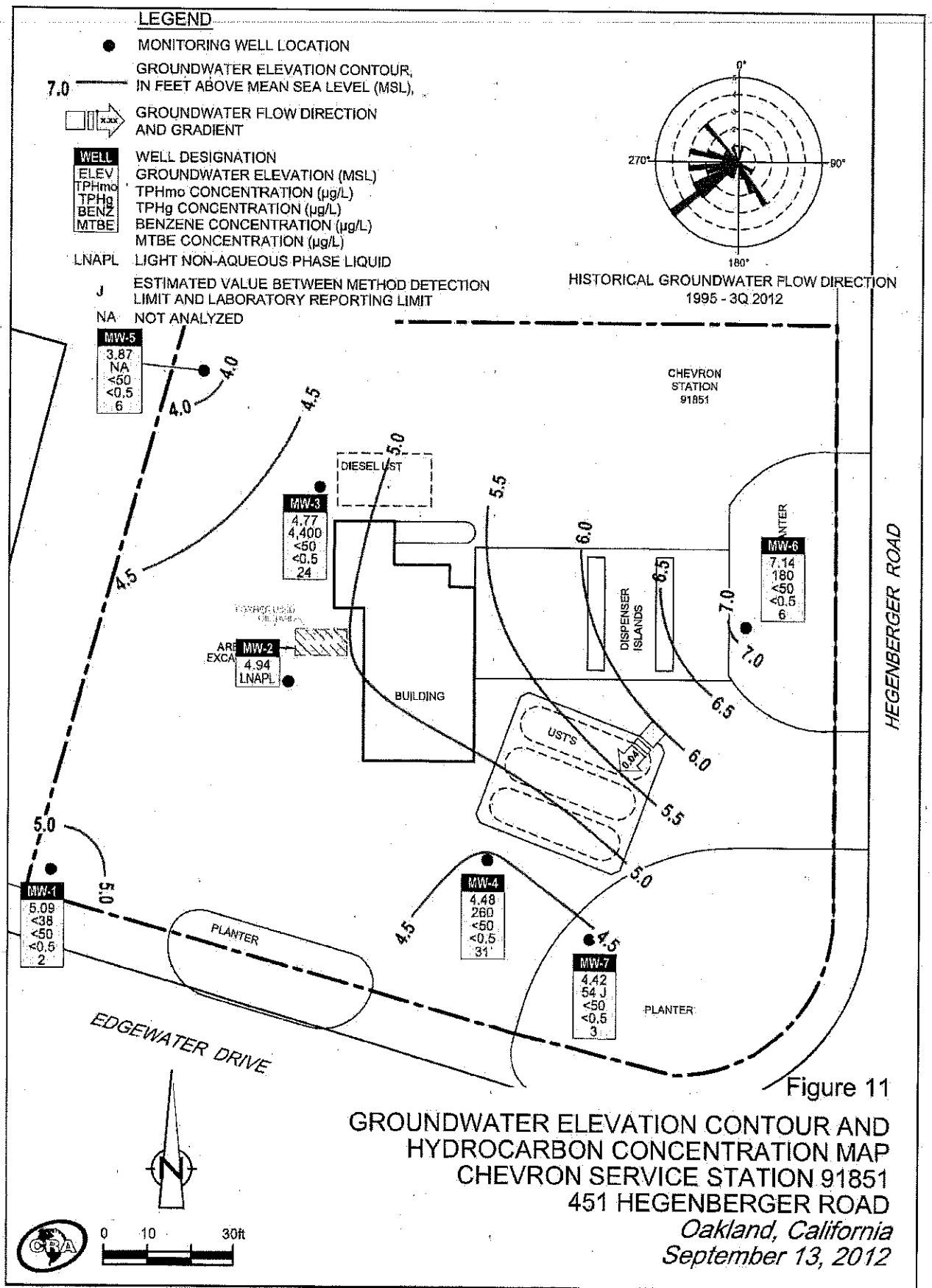


Figure 11

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California
September 13, 2012

311976-2012.6(021)GN-WA003 MAR 25/2013

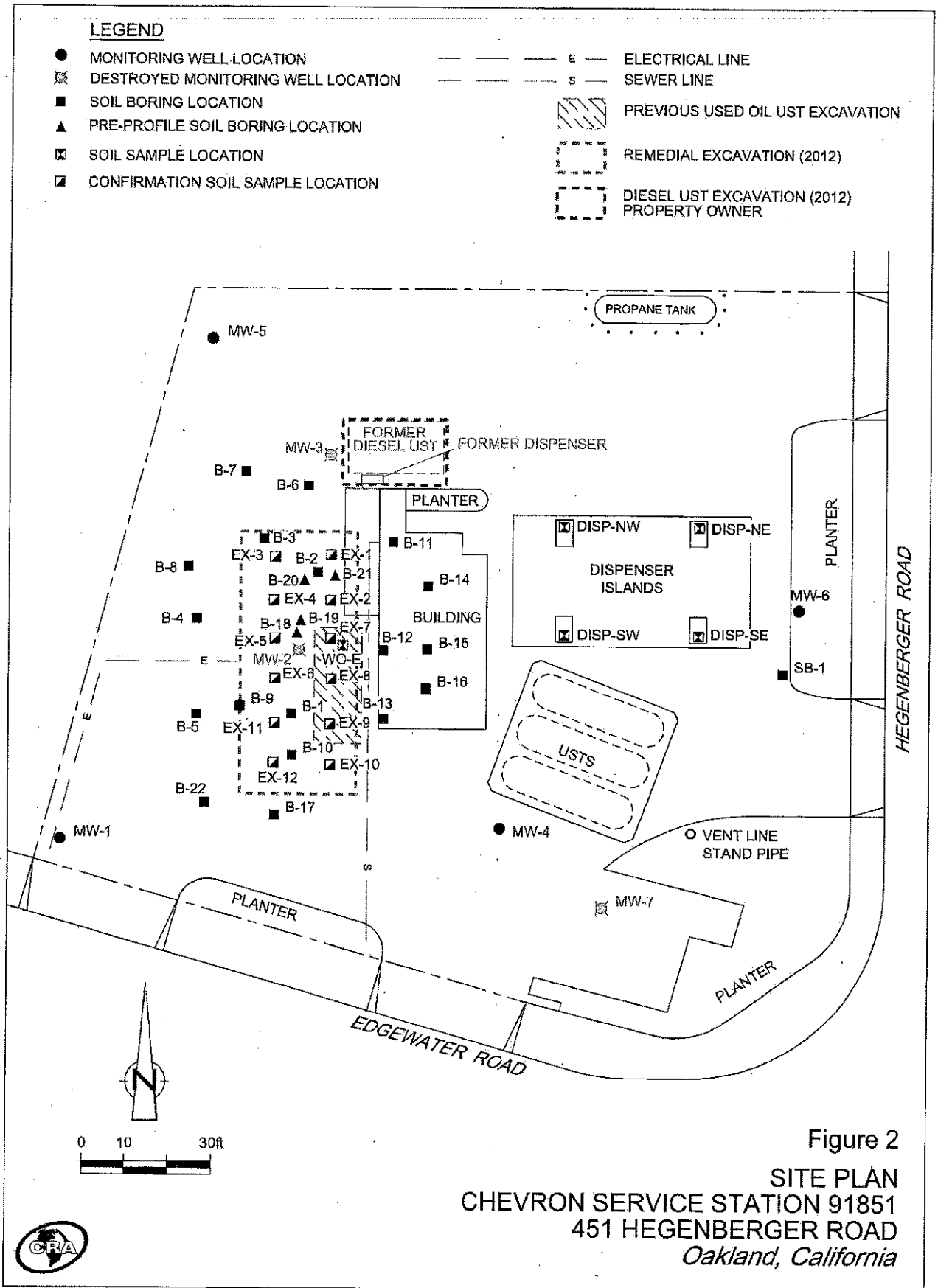


Figure 2

SITE PLAN
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM002 FEB 21/2013

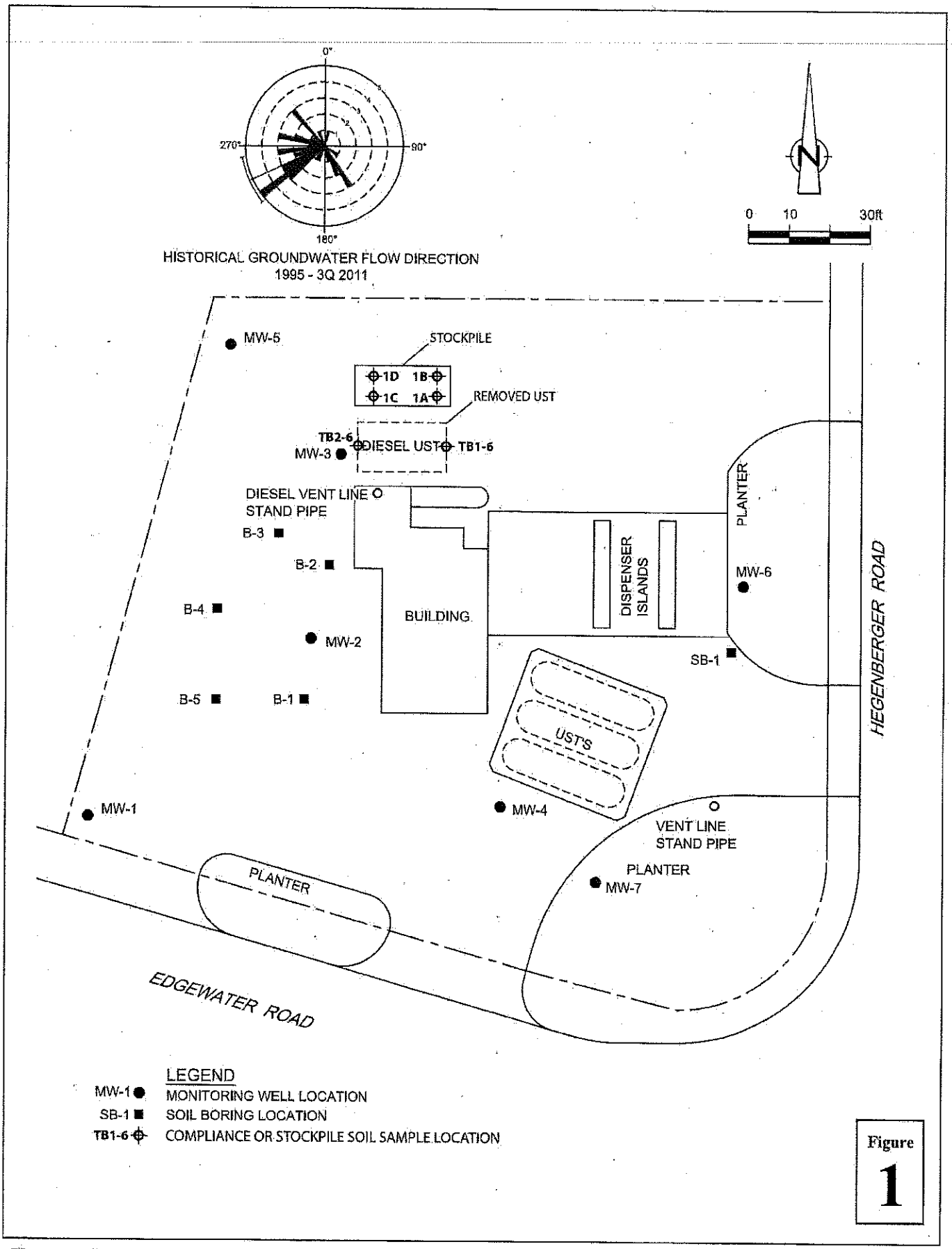


Figure 1

Chevron Service Station
451 Hegenberger Road
Oakland, California

PANGEA

Compliance Sampling Locations

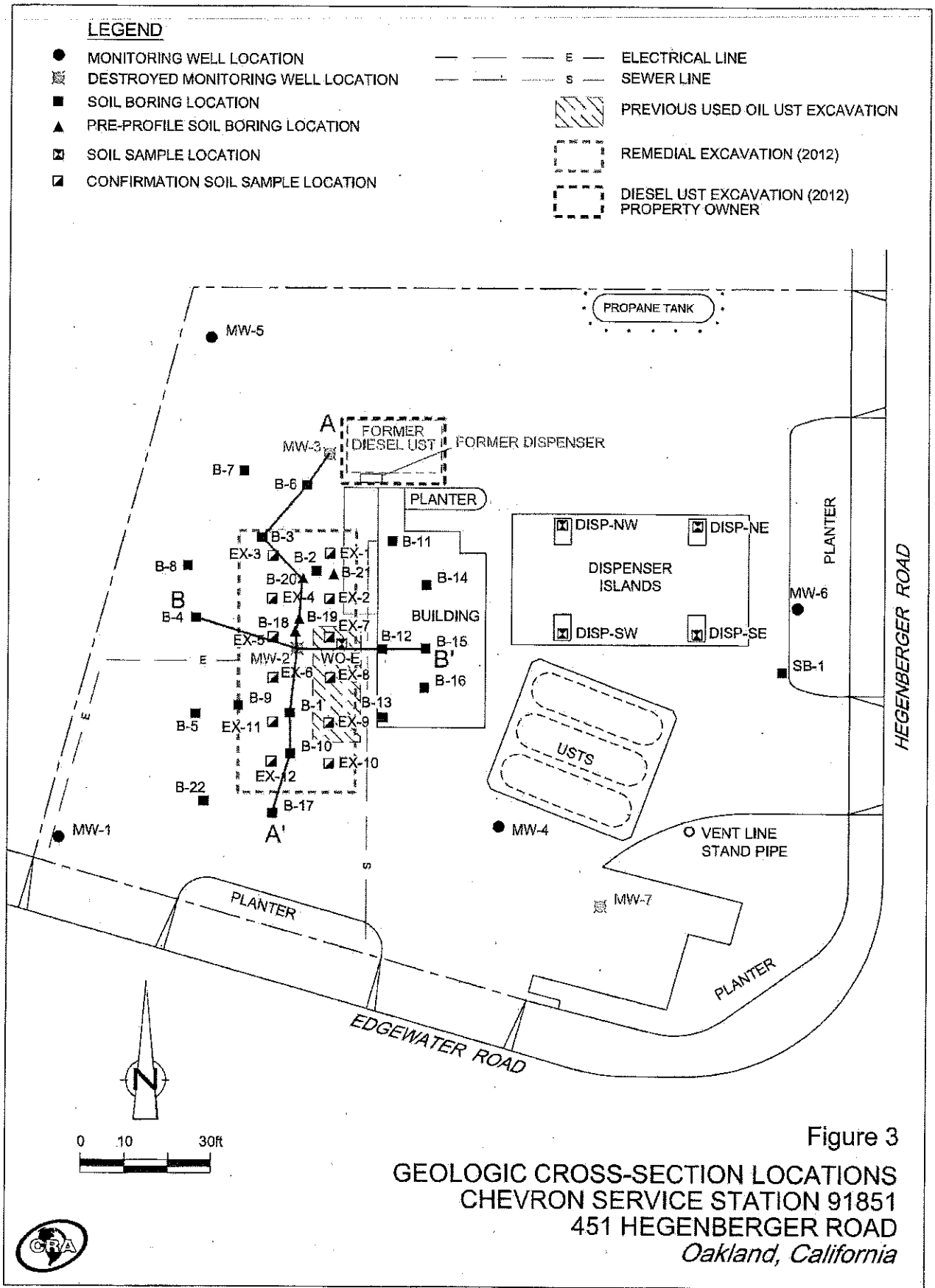
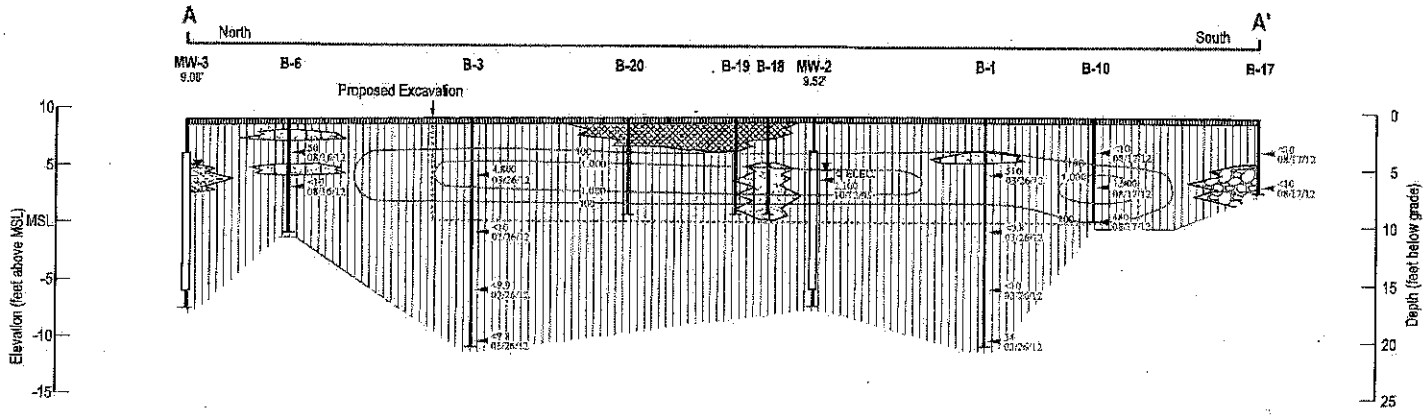
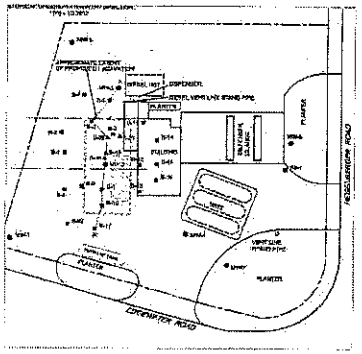


Figure 3

GEOLOGIC CROSS-SECTION LOCATIONS
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM003 FEB 21/2013





EXPLANATION

- ASPH - ASPHALT / CONCRETE
- FILL - GRAVEL, SAND, AND SILT MIXTURE; SP; OR SW
- SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SW - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- SM - SILTY SANDS, SAND-SILT MIXTURES
- SC - CLAYEY SANDS, SAND-CLAY MIXTURES
- ML; CL - INORGANIC SILT, AND CLAY MIXTURES WITH LOW TO MODERATE PLASTICITY
- GW - WELL GRADED GRAVEL WITH SAND

Well ID — Well Designation
Elev. (offset) — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHmo isoconcentration contour, in milligrams per kilogram (mg/kg) (dashed where inferred)
TPHmo DATE — TPHmo concentrations in soil, in milligrams per kilogram (mg/kg)
Depth to groundwater (9/13/12)

NOTE: Depths of sewer and electrical line are approximate.

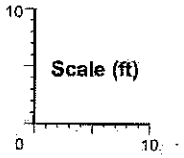
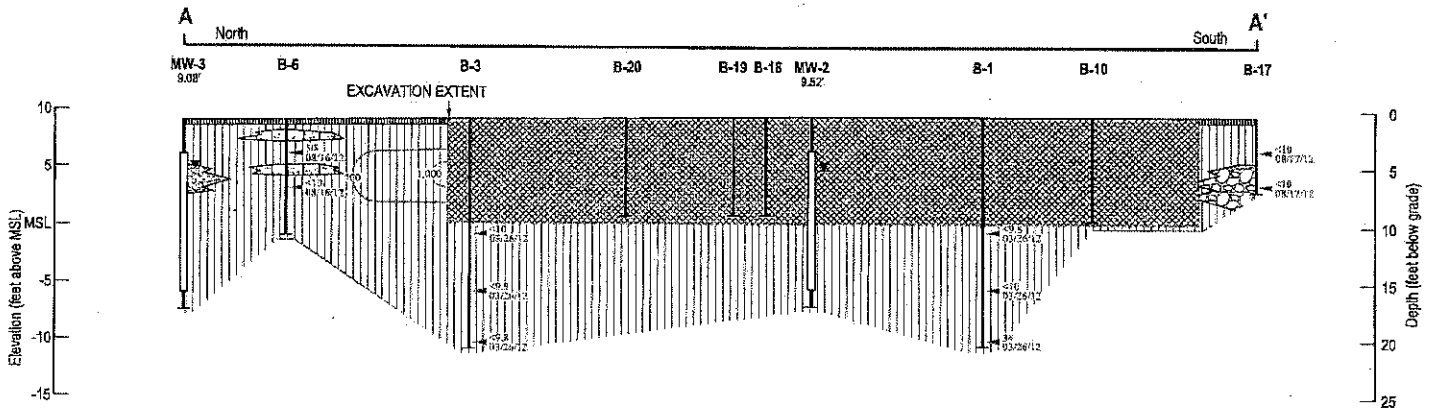
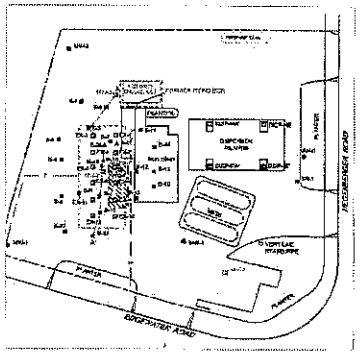


Figure 4A
GEOLOGIC CROSS-SECTION A-A' PRE-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM004 FEB 27/2013





EXPLANATION

- ASPH - ASPHALT / CONCRETE
- FILL - GRAVEL, SAND, AND SILT MIXTURE; SP; OR SW
- SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SW - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- SM - SILTY SANDS, SAND-SILT MIXTURES
- SC - CLAYEY SANDS, SAND-CLAY MIXTURES
- ML; CL - INORGANIC SILT, AND CLAY MIXTURES WITH LOW TO MODERATE PLASTICITY
- GW - WELL GRADED GRAVEL WITH SAND

Well ID — Well Designation
Elev. (offset) — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHmo isoconcentration contour, in milligrams per kilogram (mg/kg) (dashed where inferred)
TPHmo DATE — TPHmo concentrations in soil, in milligrams per kilogram (mg/kg)
Depth to groundwater (9/13/12)

NOTE: Depths of sewer and electrical line are approximate.

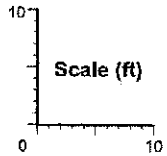
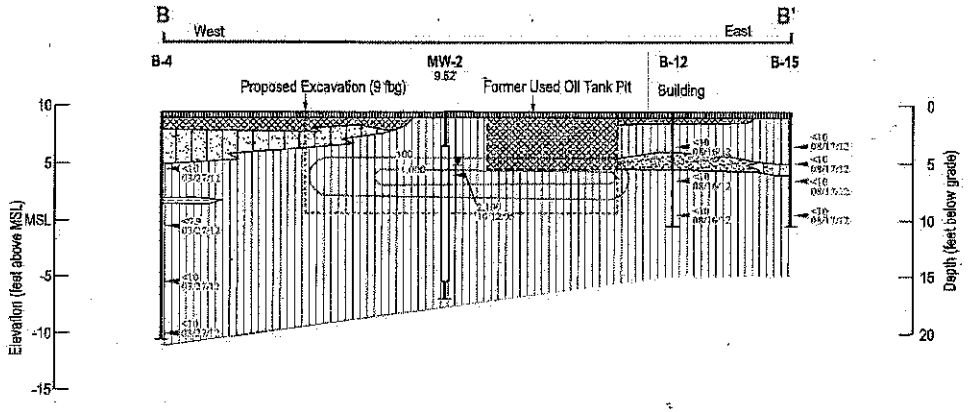
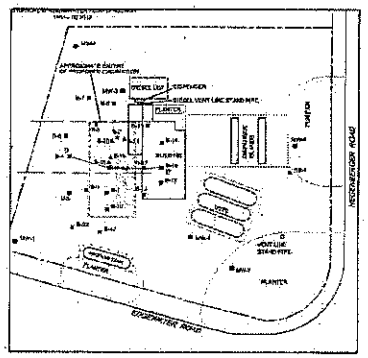


Figure 4B
GEOLOGIC CROSS-SECTION A-A' POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM004 FEB 27/2013





EXPLANATION

- ASPH - ASPHALT / CONCRETE
- FILL - GRAVEL, SAND, AND SILT MIXTURE; SP; SW; OR PEA GRAVEL
- SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SW - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- SM - SILTY SANDS, SAND-SILT MIXTURES
- SC - CLAYEY SANDS, SAND-CLAY MIXTURES
- ML, CL - INORGANIC SILT, AND CLAY MIXTURES WITH LOW TO MODERATE PLASTICITY
- OH - ORGANIC SOIL

NOTE: Depths of sewer and electrical line are approximate.

Well ID — Well Designation
Elev. (offset) — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHmo isoconcentration contour in milligrams per kilogram (mg/kg) (dashed where inferred)
TPHmo DATE — TPHmo concentrations in soil, in milligrams per kilogram (mg/kg)
Depth to groundwater (9/13/12)

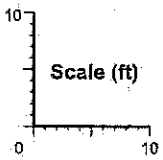
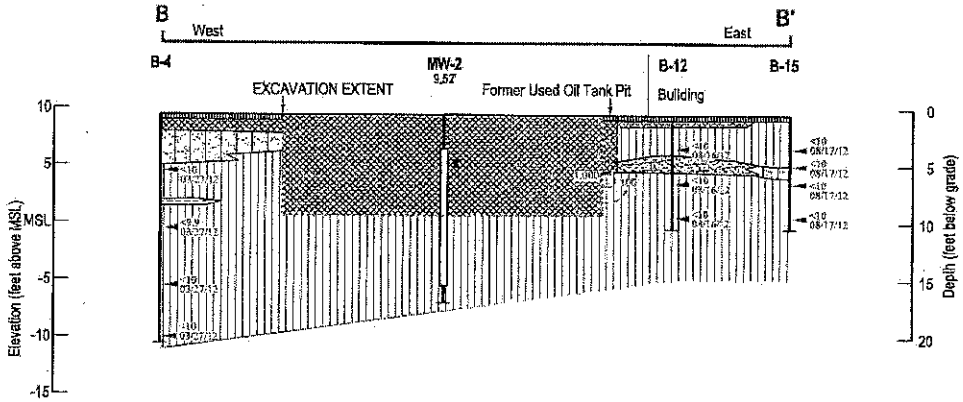
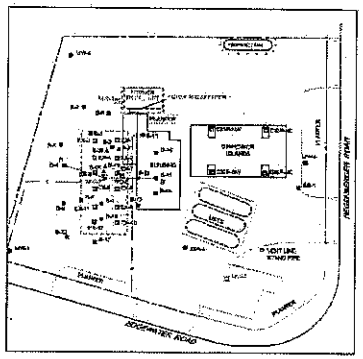


Figure 5A

GEOLOGIC CROSS-SECTION B-B' PRE-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM005 FEB 27/2013





EXPLANATION

- ASPH – ASPHALT / CONCRETE
- FILL – GRAVEL, SAND, AND SILT MIXTURE; SP; SW; OR PEA GRAVEL
- SP – POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SW – WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- SM – SILTY SANDS, SAND-SILT MIXTURES
- SC – CLAYEY SANDS, SAND-CLAY MIXTURES
- ML; CL – INORGANIC SILT, AND CLAY MIXTURES WITH LOW TO MODERATE PLASTICITY
- OH – ORGANIC SOIL

NOTE: Depths of sewer and electrical line are approximate.

Well ID — Well Designation
Elev. (offset) — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHmo isoconcentration contour, in milligrams per kilogram (mg/kg) (dashed where inferred)
TPHmo DATE — TPHmo concentrations in soil, in milligrams per kilogram (mg/kg)
Depth to groundwater (9/13/12)

10
Scale (ft)
0
10

Figure 5B

GEOLOGIC CROSS-SECTION B-B' POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM005 FEB 27/2013

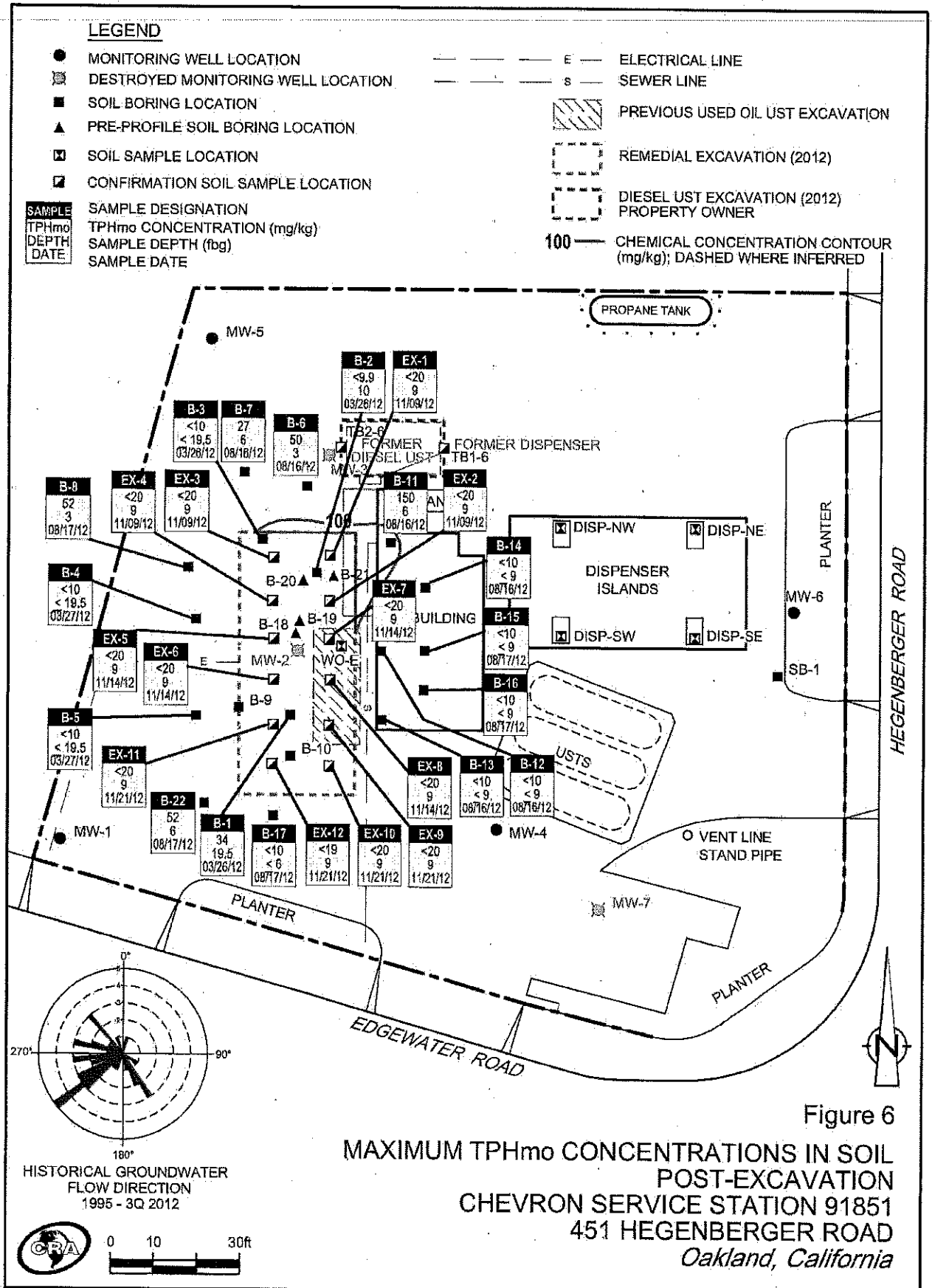


Figure 6

MAXIMUM TPHmo CONCENTRATIONS IN SOIL
POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA004 MAR 25/2013

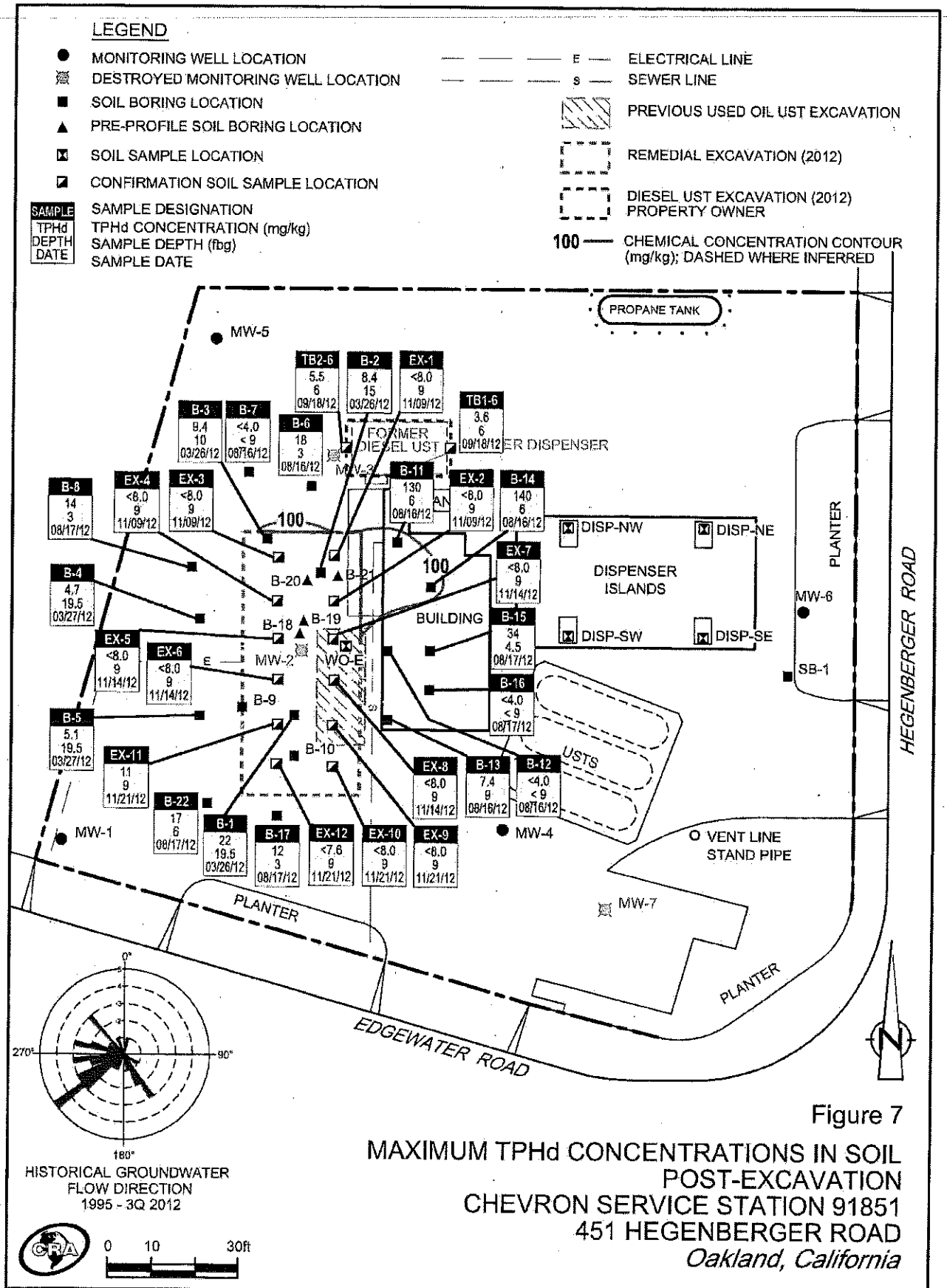


Figure 7

MAXIMUM TPHd CONCENTRATIONS IN SOIL
POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA005 MAR 25/2013

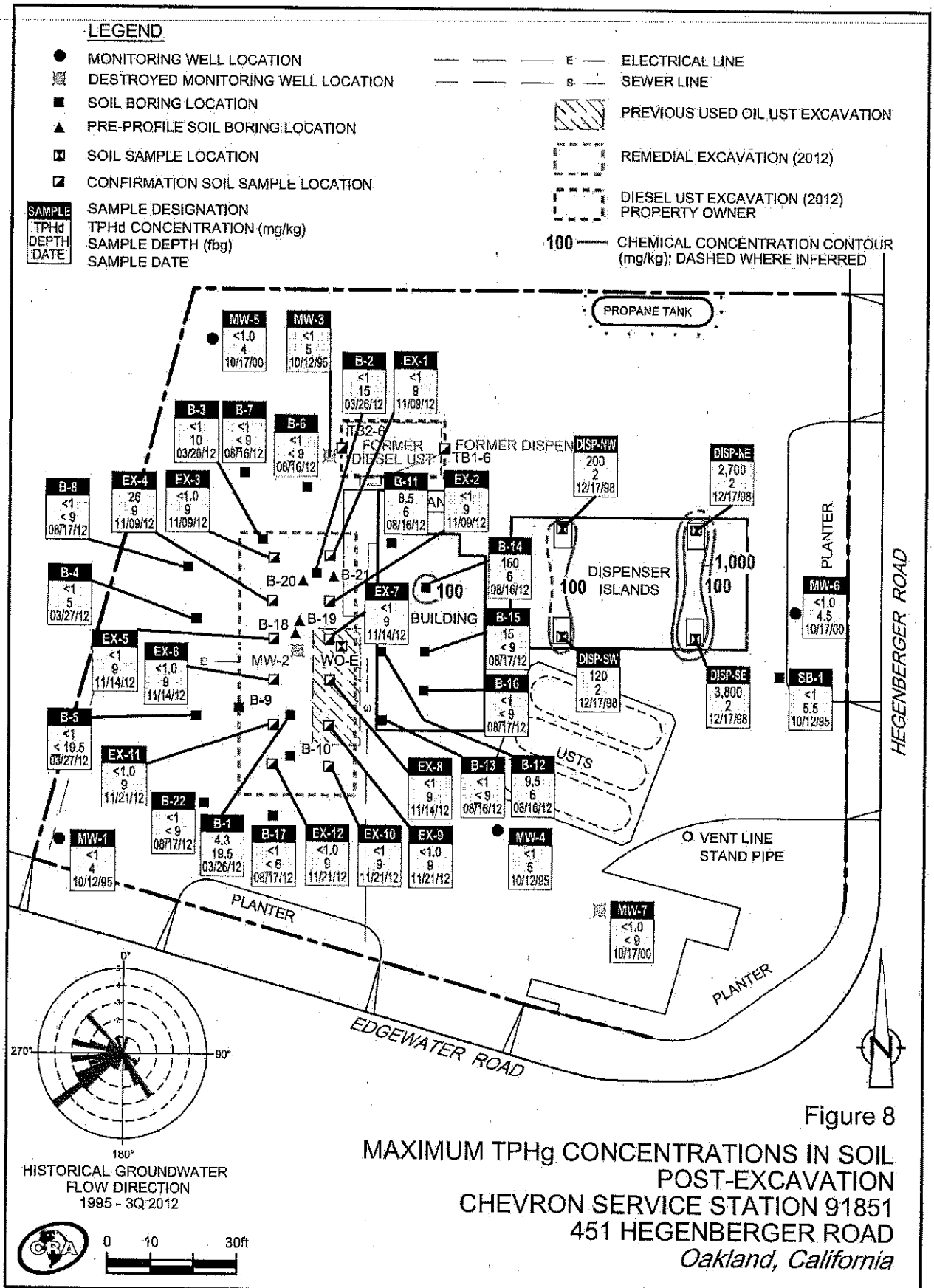


Figure 8

MAXIMUM TPHg CONCENTRATIONS IN SOIL
POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA006 MAR 25/2013

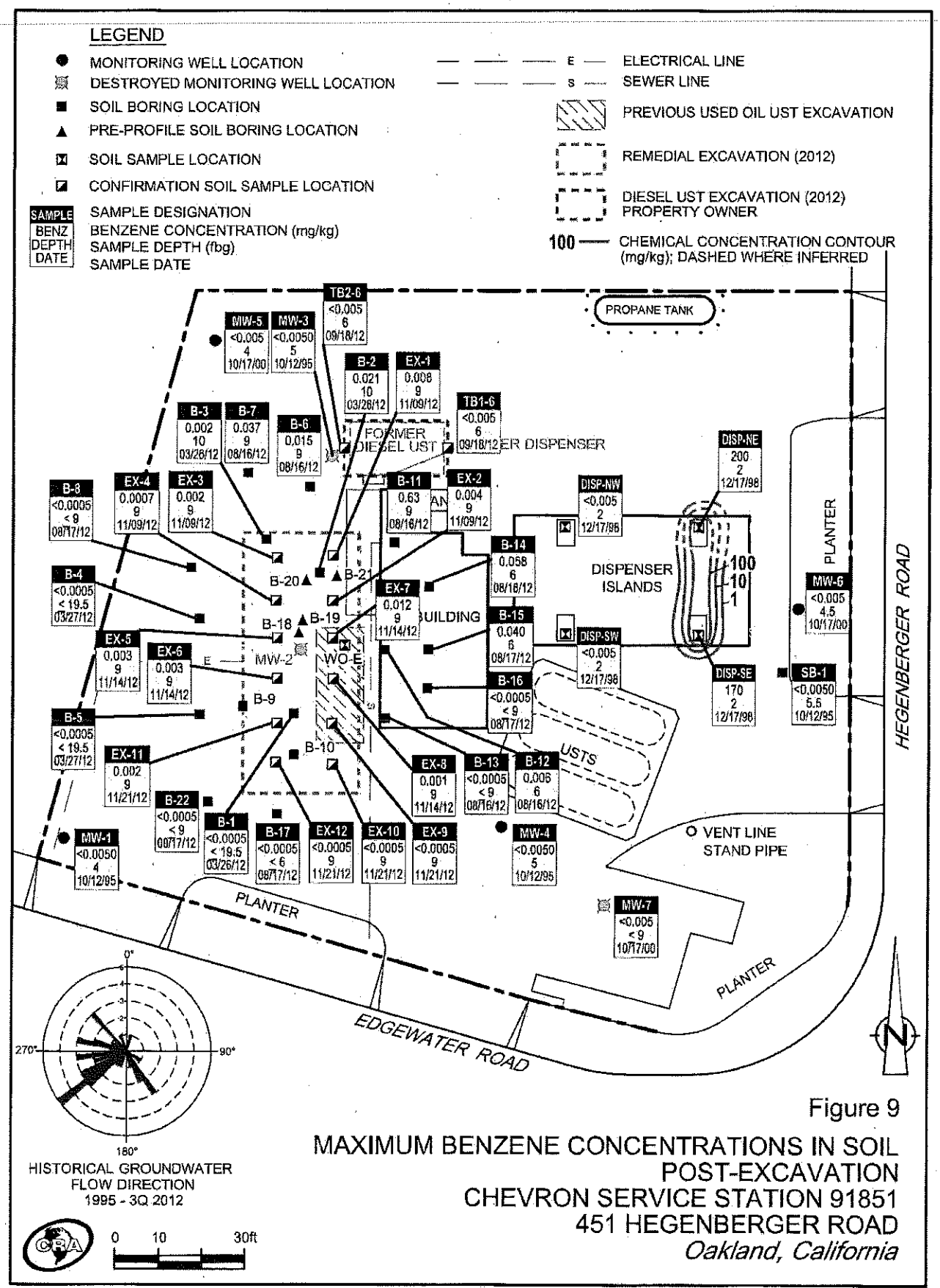


Figure 9

MAXIMUM BENZENE CONCENTRATIONS IN SOIL
POST-EXCAVATION
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA007 MAR 25/2013

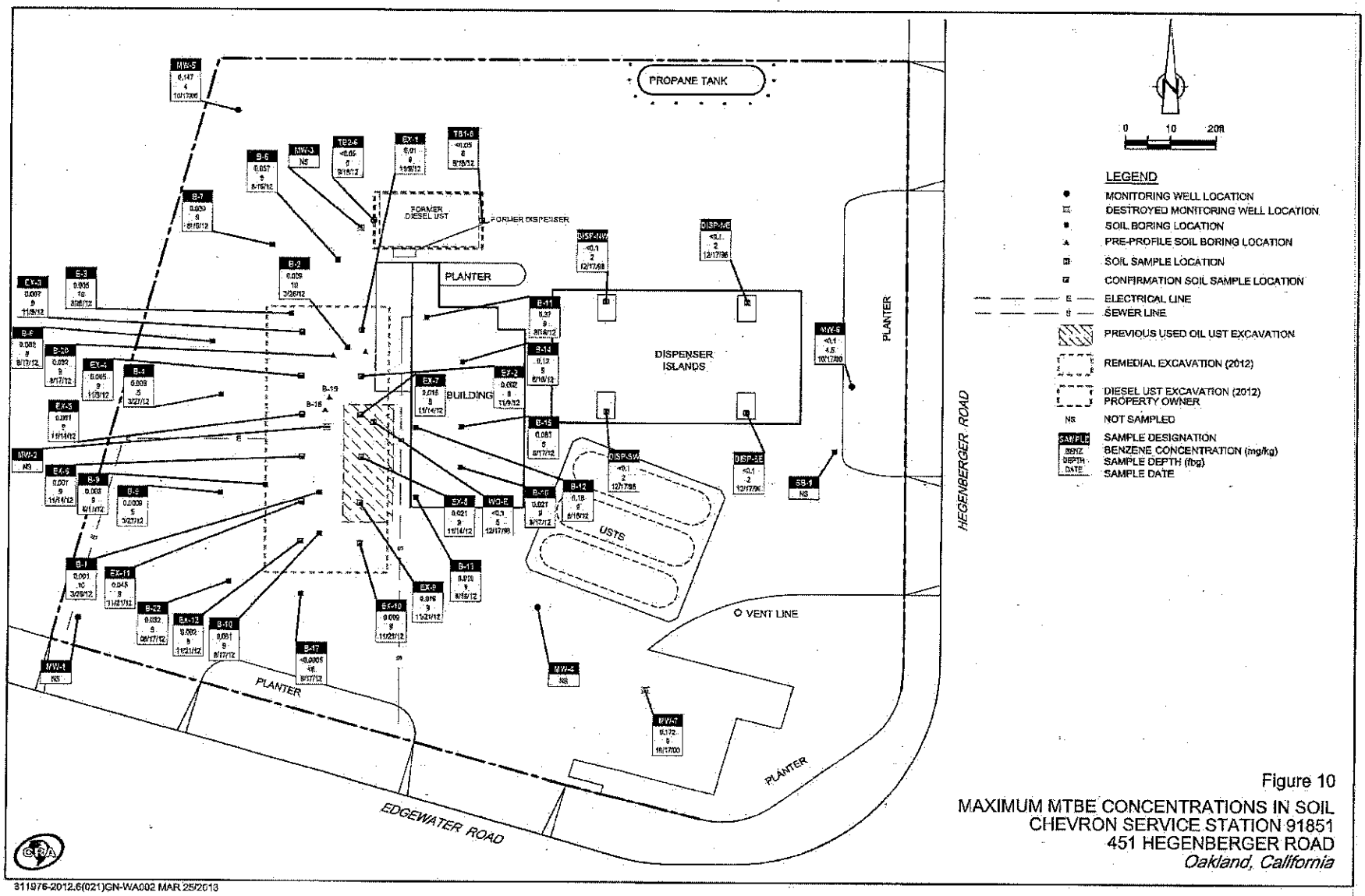


Figure 10
MAXIMUM MTBE CONCENTRATIONS IN SOIL
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012.6(021)GN-WA002 MAR 25/2013

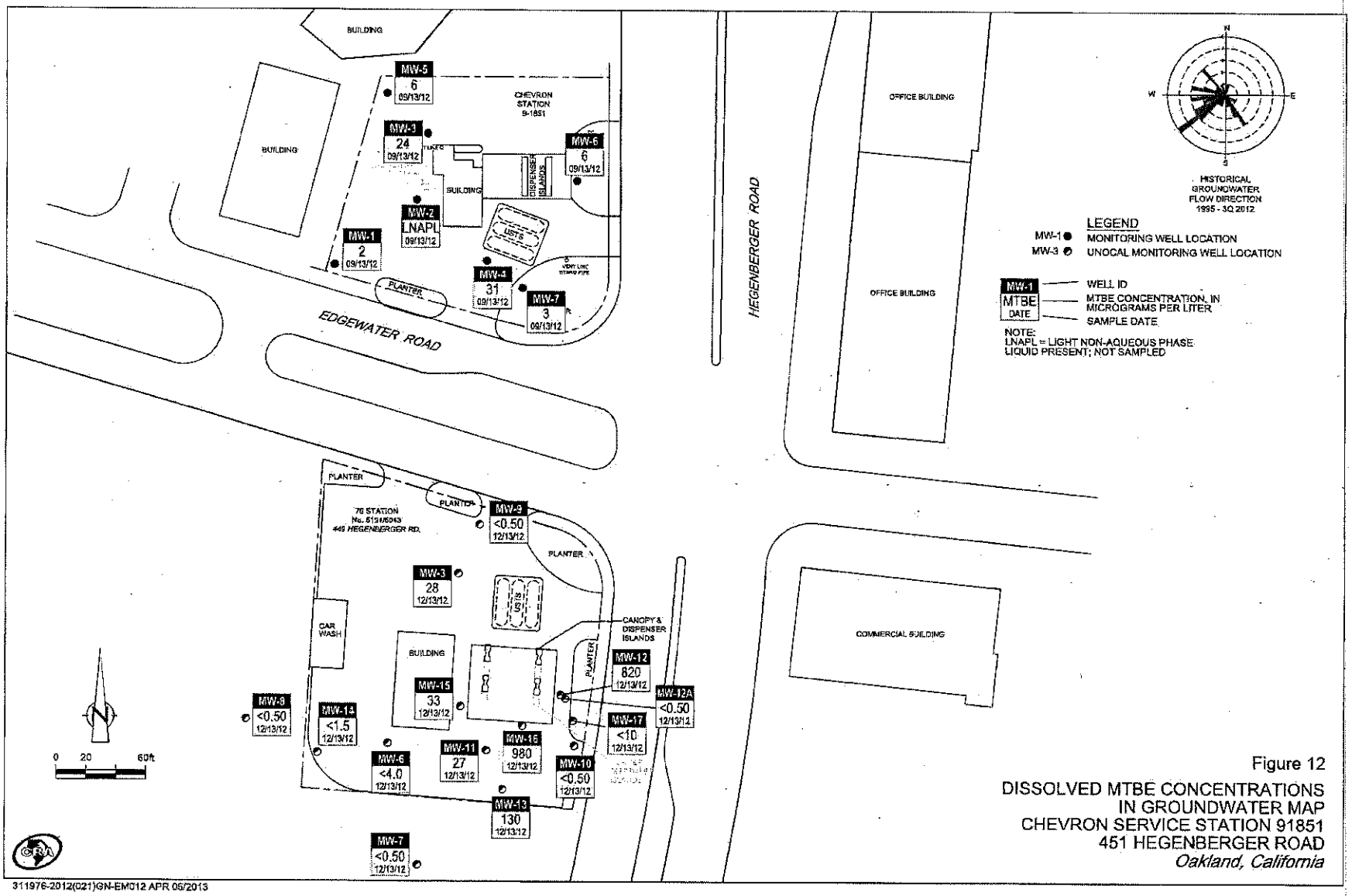


Figure 12

DISSOLVED MTBE CONCENTRATIONS IN GROUNDWATER MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

311976-2012(021)GN-EM012 APR 05/2013

ATTACHMENT 7

TABLE 1

MONITORING WELL CONSTRUCTION DETAIL
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	*Date Installed*	*Consultant*	*Well Casing Diameter (inches)*	*Depth (fbg)*	*Screen Interval (fbg)*	*Top of Casing (msl)*	*Status*	Top of Screen	Screen Length
MW-1	10/12/1995	Gettler-Ryan	2	15.5	3.0-15.0	8.61	Active	3	12
MW-2	10/12/1995	Gettler-Ryan	2	18.5	3.0-15.0	9.52	Destroyed (Sept. 2012)	3	12
MW-3	10/11/1995	Gettler-Ryan	2	16.5	3.0-15.0	9.08	Destroyed (Sept. 2012)	3	12
MW-4	10/11/1995	Gettler-Ryan	2	16.5	3.0-15.0	9.48	Active	3	12
MW-5	10/17/2000	Delta	2	10.0	2.5-10.0	8.77	Active	2.5	7.5
MW-6	10/17/2000	Delta	2	10.0	2.5-10.0	11.45	Active	2.5	7.5
MW-7	10/17/2000	Delta	2	13.0	3-13.0	10.58	Destroyed (Oct. 2012)	3	10

Notes:

fbg = Feet below grade
msl = mean sea level

TABLE 2

SOIL ANALYTICAL DATA - PETROLEUM HYDROCARBONS
and METALS
CHEVRON STATION 91851
451 HEGENBERGER DRIVE
OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo with Silica gel	TPHd	TPHd with Silica gel	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethanol	Naphtha-lene	VOCs	HVOCs	Methanol	MEK	Cd	Cr	Pb	Ni	Zn
								Reported in milligrams per kilogram (mg/kg)																			
Tank Case Closure Policy - Table 1[a] - Commerical/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	8.2	NE	89	NE	NE	NE	NE	NE	NE	NE	45	0.68	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1[a] - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	14	NE	314	NE	NE	NE	NE	NE	NE	NE	219	4.5	NE	NE	NE	NE	NE	NE	NE	NE
2012 CRA Remedial Excavation																											
EX-1	11/9/2012	9	–	<20	–	<8.0	<1	0.008	<0.001	<0.001	<0.001	0.01	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-2	11/9/2012	9	–	<20	–	<8.0	<1	0.004	<0.001	<0.001	<0.001	0.002	–	–	–	–	–	<0.003	–	–	–	–	–	–	–	–	–
EX-3	11/9/2012	9	–	<20	–	<8.0	<1.0	0.002	<0.001	<0.001	<0.001	0.007	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-4	11/9/2012	9	–	<20	–	<8.0	26	0.0007	<0.001	<0.001	<0.001	0.005	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-5	11/14/2012	9	–	<20	–	<8.0	<1	0.003	<0.001	<0.001	<0.001	0.001	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-6	11/14/2012	9	–	<20	–	<8.0	<1.0	0.003	<0.0009	<0.0009	<0.0009	0.001	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-7	11/14/2012	9	–	<20	–	<8.0	<1	0.012	0.002	0.001	0.001	0.018	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-8	11/14/2012	9	–	<20	–	<8.0	<1	0.001	<0.0009	<0.0009	<0.0009	0.021	–	–	–	–	–	<0.007	–	–	–	–	–	–	–	–	–
EX-9	11/21/2012	9	–	<20	–	<8.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.006	–	–	–	–	–	<0.003	–	–	–	–	–	–	–	–	–
EX-10	11/21/2012	9	–	<20	–	<8.0	<1	<0.0005	<0.001	<0.001	<0.001	0.009	–	–	–	–	–	<0.003	–	–	–	–	–	–	–	–	–
EX-11	11/21/2012	9	–	<20	–	11	<1.0	0.002	<0.001	<0.001	<0.001	0.045	–	–	–	–	–	0.019	–	–	–	–	–	–	–	–	–
EX-12	11/21/2012	9	–	<20	–	<7.6	<1.0	<0.005	<0.001	<0.001	<0.001	0.002	–	–	–	–	–	<0.003	–	–	–	–	–	–	–	–	–
2012 CRA Soil Borings																											
B-6	8/16/2012	3	–	50	–	18	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-6	8/16/2012	6	–	<10	–	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-6	8/16/2012	9	–	<10	–	4.2	<1.0	0.015	<0.001	<0.001	<0.001	0.057	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-7	8/16/2012	3.5	–	<10	–	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-7	8/16/2012	6	–	27	–	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	0.0008	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-7	8/16/2012	9	–	<10	–	<4.0	<1	0.037	0.001	<0.001	<0.001	0.030	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-8	8/17/2012	3	–	52	–	14	<1	<0.0005	<0.001	<0.001	<0.001	0.002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-8	8/17/2012	6	–	<10	–	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-8	8/17/2012	9	–	<10	–	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	0.002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
~~B-9~~	~~8/17/2012~~	~~3~~	–	~~<10~~	–	~~<4.0~~	~~<1~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
~~B-9~~	~~8/17/2012~~	~~6~~	–	~~<10~~	–	~~<4.0~~	~~<1~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~0.001~~	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
~~B-9~~	~~8/17/2012~~	~~9~~	–	~~<10~~	–	~~<4.0~~	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~0.003~~	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
~~B-10~~	~~8/17/2012~~	~~3~~	–	~~<10~~	–	~~5.4~~	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
~~B-10~~	~~8/17/2012~~	~~6~~	–	~~1,900~~	–	~~1,100~~	~~54~~	~~<0.0005~~	~~<0.0009~~	~~<0.0009~~	~~0.003~~	~~0.003~~	~~<0.019~~	~~<0.001~~	~~<0.0009~~	~~0.001~~	~~<0.005~~	~~<0.0009~~	See Table 3	–	–	–	~~0.526~~	~~41.5~~	~~35.4~~	~~42.1~~	~~39~~
~~B-10~~	~~8/17/2012~~	~~9~~	–	~~490~~	–	~~340~~	~~3.0~~	~~0.003~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~0.061~~	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-11	8/16/2012	3	–	<10	–	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-11	8/16/2012	6	–	150	–	130	8.5	0.015	<0.001	0.090	0.008	0.0008	<0.020	<0.0009	<0.001	<0.001	<0.098	0.19	See Table 3	–	–	–	0.701	40.6	15.0	42.1	39
B-11	8/16/2012	9	–	11	–	12	3.8	0.63	0.004	0.090	0.017	0.37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-12	8/16/2012	3	–	<10	–	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

TABLE 2

SOIL ANALYTICAL DATA - PETROLEUM HYDROCARBONS
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Sample ID	Date	Depth (fbg)	TOG	TPHmo with Silica gel	TPHd	TPHd with Silica gel	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethanol	Naphtha-lene	VOCs	HVOCs	Methanol	MEK	Cd	Cr	Pb	Ni	Zn
												Reported in milligrams per kilogram (mg/kg)															
Tank Case Closure Policy - Table 1* - Commerical/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	8.2	NE	89	NE	NE	NE	NE	NE	NE	NE	45	0.68	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1* - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	14	NE	314	NE	NE	NE	NE	NE	NE	NE	219	4.5	NE	NE	NE	NE	NE	NE	NE	NE
B-12	8/16/2012	6	--	<10	--	<4.0	9.5	0.006	<0.001	0.14	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-12	8/16/2012	9	--	<10	--	<4.0	1.0	0.006	0.001	0.018	0.001	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-13	8/16/2012	3	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-13	8/16/2012	6	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-13	8/16/2012	9	--	<10	--	7.4	<1.0	<0.0005	<0.001	<0.001	<0.001	0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-14	8/16/2012	3	--	<10	--	15	5.4	0.001	<0.001	0.18	1.1	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-14	8/16/2012	6	--	<10	--	140	160	0.058	<0.052	12	37	<0.026	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-14	8/16/2012	9	--	<10	--	4.3	100	<0.024	<0.047	2.8	9.9	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-15	8/17/2012	3	--	<10	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-15	8/17/2012	4.5	--	<10	--	34	15	0.020	<0.001	0.083	0.003	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-15	8/17/2012	6	--	<10	--	6.4	15	0.040	<0.001	0.28	0.020	0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-15	8/17/2012	9	--	<10	--	<4.0	3.5	0.008	<0.001	0.083	0.009	0.083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-16	8/17/2012	3	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-16	8/17/2012	6	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-16	8/17/2012	9	--	<10	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-17	8/17/2012	3	--	<10	--	12	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-17	8/17/2012	6	--	<10	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-22	8/17/2012	3	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-22	8/17/2012	6	--	52	--	17	<1	<0.0005	<0.001	<0.001	<0.001	0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-22	8/17/2012	9	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	0.032	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
~~B-1~~	~~3/26/2012~~	~~5~~	--	~~510~~	--	~~300~~	~~<10~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~0.0008~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--
B-1	3/26/2012	10	--	<9.8	--	7.6	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-1	3/26/2012	15	--	<10	--	10	1.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-1	3/26/2012	19.5	--	34	--	22	4.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
~~B-2~~	~~3/26/2012~~	~~5~~	--	~~15,000~~	--	~~9,900~~	~~52~~	~~0.016~~	~~0.002~~	~~0.006~~	~~0.041~~	~~0.002~~	~~<0.019~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--
B-2	3/26/2012	10	--	<9.9	--	5.0	<0.9	0.021	<0.001	<0.001	<0.001	0.009	<0.021	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-2	3/26/2012	15	--	<9.8	--	8.4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-2	3/26/2012	19.5	--	<9.9	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
~~B-3~~	~~3/26/2012~~	~~5~~	--	~~4,800~~	--	~~3,200~~	~~330~~	~~<0.026~~	~~<0.053~~	~~<0.053~~	~~<0.053~~	~~<0.026~~	~~<1.1~~	~~<0.053~~	~~<0.053~~	~~<0.053~~	--	--	--	--	--	--	--	--	--	--	--
B-3	3/26/2012	10	--	<10	--	9.4	<1	0.002	<0.001	<0.001	<0.001	0.005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-3	3/26/2010	15	--	<9.9	--	4.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-3	3/26/2012	19.5	--	<9.8	--	<3.9	<1.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--

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Sample ID	Date	Depth (fbg)	TOG	TPHmo with Silica gel	TPHd	TPHd with Silica gel	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethanol	Naphtha-lene	VOCs	HVOCs	Methanol	MEK	Cd	Cr	Pb	Ni	Zn
			Reported in milligrams per kilogram (mg/kg)																								
Tank Case Closure Policy - Table 1[a] - Commerical/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	8.2	NE	89	NE	NE	NE	NE	NE	NE	NE	45	0.68	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1[a] - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	14	NE	314	NE	NE	NE	NE	NE	NE	NE	219	4.5	NE	NE	NE	NE	NE	NE	NE	NE
B-4	3/27/2012	5	--	<10	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	0.003	<0.021	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-4	3/27/2012	10	--	<9.9	--	4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-4	3/27/2012	15	--	<10	--	4.1	<0.9	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-4	3/27/2012	19.5	--	<10	--	4.7	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-5	3/27/2012	5	--	<9.9	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	0.0009	<0.021	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-5	3/27/2012	10	--	<10	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0005	<0.019	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-5	3/27/2012	15	--	<10	--	4.1	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
B-5	3/27/2012	19.5	--	<10	--	5.1	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--
2001 Delta Monitoring Well Installation and Groundwater Sampling Results - Revised																											
MW-5-4	10/17/2000	4	--	--	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	0.147	<10.0	<0.1	<0.1	<0.1	<150	--	--	--	--	--	--	--	--	--	--
MW-6-4.5	10/17/2000	4.5	--	--	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.1	<10.0	<0.1	<0.1	<0.1	<150	--	--	--	--	--	--	--	--	--	--
MW-7-6.0	10/17/2000	6	--	--	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.1	<10.0	<0.1	<0.1	<0.1	<150	--	--	--	--	--	--	--	--	--	--
MW-7-9.0	10/17/2000	9	--	--	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	0.172	<10.0	<0.1	<0.1	<0.1	<150	--	--	--	--	--	--	--	--	--	--
1998 Geo-Logic Report of Soil Sampling below Waste Oil Tank and Fuel Dispensers																											
~~WO-E~~	~~12/17/1998~~	~~5~~	~~240[a]~~	--	~~<0.1[**]~~	--	~~<0.1~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.1[***]~~	--	--	--	--	--	--	--	~~<0.5~~	--	--	~~0.89~~	~~1.2~~	~~3~~	~~14~~	~~39~~
Disp NW	12/17/1998	2	--	--	--	--	200	<0.005	<0.005	27	14	<0.1[***]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disp NE	12/17/1998	2	--	--	--	--	2,700	200	64	310	290	<0.1[***]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disp SW	12/17/1998	2	--	--	--	--	120	<0.005	27	41	33	<0.1[***]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disp SE	12/17/1998	2	--	--	--	--	3,800	170	93	240	270	<0.1[***]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995 Gettler-Ryan Preliminary Investigation																											
SB1-5.5	10/12/1995	5.5	--	--	--	--	<1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW1-4	10/12/1995	4	--	--	--	--	<1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
~~MW2-5.5~~	~~10/12/1995~~	~~5.5~~	~~2,100~~	--	~~77~~	--	~~8.4~~	~~<0.005~~	~~<0.0050~~	~~0.0097~~	~~0.025~~	--	--	--	--	--	--	--	--	~~9.2[b]~~	--	--	--	--	--	--	--
MW3-5	10/12/1995	5	--	--	--	--	<1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	ND	--	<1.0	<0.20	--	--	--	--	--
MW4-5	10/12/1995	5	--	--	--	--	<1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Total oil and grease (TOG) by EPA Standard Method 5520E&F unless otherwise noted
Total petroleum hydrocarbons as diesel (TPHd) and gasoline (TPHg) by EPA Method 8015M unless otherwise noted
Benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8020 prior to year 2000, by EPA Method 8260 after year 1998
Methyl tertiary butyl ether (MTBE) by EPA Method 8260 unless otherwise noted
Tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tert-amyl methyl ether (TAME) and ethanol by EPA Method 8260
Volatile organic compounds (VOCs) by EPA Method 8240 unless otherwise noted
Halogenated volatile organic compounds (HVOCs) by EPA Method 8010 unless otherwise noted
Methanol by EPA Method 8015

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Sample ID	Date	Depth (fbg)	TOG	TPHmo with Silica gel	TPHd	TPHd with Silica gel	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethanol	Naphtha-lene	VOCs	HVOCs	Methanol	MEK	Cd	Cr	Pb	Ni	Zn
			Reported in milligrams per kilogram (mg/kg)																								
Tank Case Closure Policy - Table 1[a] - Commerical/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	8.2	NE	89	NE	NE	NE	NE	NE	NE	NE	45	0.68	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1[a] - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	14	NE	314	NE	NE	NE	NE	NE	NE	NE	219	4.5	NE	NE	NE	NE	NE	NE	NE	NE

Methyl ethyl ketone (MEK) by EPA Method 8015
Cadmium (Cd), chromium (Cr), lead (Pb), nickel (Ni), zinc (Zn) by EPA 7000 Series Methods
fbg = Feet below grade
— = Not analyzed
<x = Not detected above laboratory method detection limit x
~~Strike through~~ = Soil removed during the Chevron remedial excavation activities in 2012
* = TOG analyzed by EPA Method 8020
** = TPHd analyzed by EPA Method 8020
*** = MTBE analyzed by EPA Method 8020
ND = No constituents detected above various detection limits
a = Table 1 - Concentration of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health, Low-Threat Underground Storage Tank Case Closure Policy, California State Water Resource Control Board, August 17, 2012
b = 9.2 mg/kg chloroform, no other analyzed HVOCs detected
NE = Not Evaluated

TABLE 3

SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CHEVRON STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Sample ID	Date	Depth (ftg)	Acetone	Ethyl methyl ether	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	t-Butyl alcohol	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethyl Vinyl Ether	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 - Commerical/Industrial (0 to 5 fbg)*			NE	NE	8.2	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 - Utility Worker (0 to 10 fbg)*			NE	NE	14	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
B-10	08/17/12	6	0.015	0.001	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.004	<0.015	0.018	0.063	0.008	<0.0009	<0.0009	<0.0009	<0.002	<0.002	<0.0009	<0.002	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
B-11	08/16/12	6	<0.007	<0.001	0.015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.020	0.078	0.053	0.015	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 3

SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CHEVRON STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	1,3-Dichloropropane	2,2-Dichloropropane	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethanol	Ethyl tertiary butyl ether	Ethylbenzene	Freon 113	Hexachlorobutadiene	2-Hexanone	di-Isopropyl ether	Isopropylbenzene	p-Isopropyltoluene	Methyl Tertiarly Butyl Ether	4-Methyl-2-pentanone	Methylene Chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	m+p-Xylene	o-Xylene
Low-Threat Underground Storage Tank Case Closure Policy - Table 1[a] - Commercial/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	NE	NE	89	NE	NE	NE	NE	NE	NE	NE	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1[a] - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	NE	NE	314	NE	NE	NE	NE	NE	NE	NE	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
B-10	08/17/12	6	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.098~~	~~<0.0009~~	~~<0.0009~~	~~<0.002~~	~~<0.002~~	~~<0.002~~	~~<0.0009~~	~~0.039~~	~~<0.0009~~	0.003	~~<0.002~~	~~<0.002~~	~~<0.0009~~	0.062	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.002~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~<0.0009~~	~~0.002~~	0.001
B-11	08/16/12	6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.098	<0.001	0.090	<0.002	<0.002	<0.003	<0.001	<0.001	<0.001	0.0008	<0.003	<0.002	0.19	0.39	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.002	0.001	<0.001	0.006	<0.001

Notes:

All analytes were analyzed by EPA Method 8260 Full Scan.

<x = Not detected above method detection limit

Concentrations are in milligrams per kilogram

~~Strike-through~~ = Soil removed during the Chevron remedial excavation activities in 2012

NE = Not Evaluated

a = Table 1 - Concentration of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health, Low-Threat Underground Storage Tank Case Closure Policy, California State Water Resource Control Board, August 17, 2012

TABLE 4

SOIL ANALYTICAL DATA - SEMI-VOLATILE ORGANIC COMPOUNDS
CHEVRON STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	4-Bromophenyl-phenylether	Butylbenzylphthalate	Di-n-butylphthalate	Carbazole	4-Chloro-3-methylphenol	4-Chloroaniline	Bis (2-Chloro-3-methylphenol)	Bis (2-Chloroethyl) ether	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl-phenylether	2,2'-oxybis (1-Chloropropane)	Chrysene	Dibenz (a,h) anthracene	Dibenzofuran	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	3,3'-Dichlorophenol	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethylphthalate
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 - Commercial/Industrial (0 to 5 fbg)*			NE	NE	NE	0.68	0.68	0.68	NE	0.68	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.68	0.68	NE	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 - Utility Worker (0 to 10 fbg)*			NE	NE	NE	4.5	4.5	4.5	NE	4.5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	4.5	4.5	NE	NE	NE	NE	NE	NE	NE	NE	NE
B-10	08/17/12	6	~~0.045~~	~~0.058~~	~~0.19~~	~~0.70~~	~~0.32~~	~~0.31~~	~~0.65~~	~~0.098~~	~~<0.083~~	~~<0.33~~	~~<0.33~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	0.53	~~<0.017~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.083~~	~~<0.50~~	~~<0.083~~	~~<0.33~~	~~<0.083~~	~~<0.33~~
B-11	08/16/12	6	<0.003	0.015	0.031	0.015	0.012	0.013	0.033	0.003	<0.017	<0.067	<0.067	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	0.013	<0.003	<0.017	<0.017	<0.017	<0.017	<0.10	<0.017	<0.067	<0.017	<0.067

TABLE 4

SOIL ANALYTICAL DATA - SEMI-VOLATILE ORGANIC COMPOUNDS
CHEVRON STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	4,5-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd) pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Di-n-octylphthalate	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	1,2,4-Trichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 [a] - Commerical/Industrial (0 to 5 fbg)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Low-Threat Underground Storage Tank Case Closure Policy - Table 1 [a] - Utility Worker (0 to 10 fbg)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
B-10	08/17/12	6	~~<0.083~~	~~<1.6~~	~~<0.33~~	~~<0.083~~	~~2.6~~	~~0.51~~	~~0.17~~	~~<0.017~~	~~<0.083~~	~~<0.83~~	~~<0.17~~	~~0.14~~	~~<0.083~~	~~<0.017~~	~~<0.083~~	~~<0.083~~	~~0.077~~	~~<0.083~~	~~<0.33~~	~~<0.33~~	~~<0.083~~	~~<0.083~~	~~<0.83~~	~~<0.082~~	~~0.24~~	~~<0.33~~	~~<0.17~~	~~<0.017~~	~~<0.083~~	~~0.96~~	~~<0.083~~	~~<0.083~~	~~<0.083~~
B-11	08/16/12	6	<0.17	<0.30	<0.067	<0.017	0.073	0.026	0.039	<0.003	<0.017	<0.17	<0.033	0.009	<0.017	1.8	<0.017	<0.017	1.5	<0.017	<0.067	<0.067	<0.017	<0.017	<0.17	<0.017	<0.017	<0.067	<0.033	0.069	<0.017	0.041	<0.017	<0.017	<0.017

Notes:

All analytes were analyzed by EPA Method 8260 Full Scan.

<x = Not detected above method detection limit

Concentrations are in milligrams per kilogram

~~Strike through~~ = Soil removed during the Chevron remedial excavation activities in 2012

NE = Not Evaluated

a = Table 1 - Concentration of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversley Affecting Human Health, Low-Threat Underground Storage Tank Case Closure Policy, California State Water Resource Control Board, August 17, 2012

Pangea

Table 1. Soil Analytical Data - 451 Hegenberger Road, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Other VOCs
			← mg/kg →						
UST Compliance Samples									
TB1-6	9/18/2012	6.0	3.6	<0.005	<0.005	<0.005	<0.005	<0.05	ND
TB2-6	9/18/2012	6.0	5.5	<0.005	<0.005	<0.005	<0.005	<0.05	TBA (0.25)
Stockpile Samples									
1A,B,C,D	9/18/2012	--	4.9	<0.005	<0.005	<0.005	<0.005	<0.05	ND

Notes, Abbreviations and Methods:

mg/kg = Milligrams per kilogram, approximately equivalent to parts per million (ppm).

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015Cm.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8021B.

MTBE = Methyl tertiary-butyl ether by EPA Method 8021B.

Other VOCs = Other volatile organic compounds (VOCs) detected by EPA method 8206B.

TBA = tertiary butyl alcohol by EPA Method 8260B.

-- = Not available or not analyzed.

< n = Chemical not present at a concentration in excess of detection limit shown.

ND = Not detected above reporting limit/method detection limit.

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Pangea Environmental Svcs., Inc.	Client Project ID: #1465.001; Grewel-451 Hegenberger	Date Sampled: 09/18/12
		Date Received: 09/18/12
1710 Franklin Street, Ste. 200	Client Contact: Tina De La Fuente	Date Extracted: 09/18/12
Oakland, CA 94612	Client P.O.:	Date Analyzed: 09/19/12

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1209438

Lab ID	1209438-002A
Client ID	TB1-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)			
%SS1:	102	%SS2:	107
%SS3:	112		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Pangea Environmental Svcs., Inc.	Client Project ID: #1465.001; Grewel-451 Hegenberger	Date Sampled: 09/18/12
1710 Franklin Street, Ste. 200		Date Received: 09/18/12
	Client Contact: Tina De La Fuente	Date Extracted: 09/18/12
Oakland, CA 94612	Client P.O.:	Date Analyzed: 09/19/12

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1209438

Lab ID	1209438-003A
Client ID	TB2-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	0.25	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	102	%SS2:	108
%SS3:	116		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Pangea Environmental Svcs., Inc.	Client Project ID: #1465.001; Grewel - 451 Hegenberger	Date Sampled: 09/18/12
1710 Franklin Street, Ste. 200		Date Received: 09/18/12
	Client Contact: Tina De La Fuente	Date Extracted: 09/18/12
Oakland, CA 94612	Client P.O.:	Date Analyzed: 09/20/12

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1209445

Lab ID	1209445-001A
Client ID	1A, B, C, D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND<0.010	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)			
%SS1:	114	%SS2:	122
%SS3:	119		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

TABLE 5

GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 91851
451 HEGENBERGER DRIVE, OAKLAND, CALIFORNIA

	TPHmo	TPHd With Silica Gel	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Other VOCs
Final Groundwater Screening Levels - Current or Potential Drinking Water Resource (ug/L) Table F-1a	*100*	*100*	*100*	*1*	*40*	*30*	*20*	*5*	*12*	*NE*	*NE*	*NE*	*NE*
Sample ID	*Date*	*Reported in micrograms per liter (µg/L)*											
TB*	9/18/2012	--	960	--	<10	<10	<10	<10	15	1,800	<10	<10	<10	ND
B-1-W	3/26/2012	1,900,000	2,300,00	2,300	0.6	<0.5	<0.5	<0.5	5	3	<0.5	<0.5	1	--
B-2-W	3/26/2012	650,000	460,000	1,800	100	8	10	52	24	6	<0.5	<0.5	9	--
B-3-W	3/26/2012	190,000	140,000	850	0.6	<0.5	<0.5	<0.5	18	33	<0.5	<0.5	2	--
B-5-W	3/27/2012	<200	<160	<50	<0.5	<0.5	<0.5	<0.5	6	2	<0.5	<0.5	<0.5	--

Notes:

Total petroleum hydrocarbons as motor oil (TPHmo), diesel (TPHd) and gasoline (TPHg) by EPA Method 8015B Modified

Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8260B

Methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary-amyl methyl ether by EPA Method 8260B

Other volatile organic compounds (Other VOCs) by EPA Method 8260B.

* = Sample collected by property owner's consultant, Pangea

-- = Not analyzed

<x = Not detected above stated laboratory method detection limit x

ND = Not detected above stated laboratory method detection limit

Bold = Exceeded ESL

Grab-groundwater samples were collected during a 1998 preferential pathway study. Petroleum hydrocarbon constituents were not detected in any of the samples according to a the 2001 Delta Monitoring Well Installation and Groundwater Sampling Results - Revised Report. The analyticals for these samples are not currently available.

Pangea

Table 2. Groundwater Analytical Data - 451 Hegenberger Road, Oakland, California

Sample ID	Sample Depth (ft)	Date Sampled	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	TAME	DIPE	ETBE	Other VOCs
			←					ug/L					→
TB	14	9/18/2012	960	<10	<10	<10	<10	15	1,800	<10	<10	<10	ND

Abbreviations and Notes:

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8021B.
MTBE = Methyl tert-butyl ether by EPA Method 8260B.
TBA = tertiary butyl alcohol by EPA Method 8260B.
DIPE = diisopropyl ether by EPA Method 8260B.
ETBE = ethyl tert-butyl ether by EPA Method 8260B.
TAME = tert-amyl methyl ether by EPA Method 8260B.
Other VOCs = Other volatile organic compounds (VOCs) detected by EPA method 8206B.
ug/L = Micrograms per Liter
<n = Below detection limit of n ug/L
-- = Not analyzed
bgs = below grade surface
ND = Not detected above reporting limit/method detection limit

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Pangea Environmental Svcs., Inc.	Client Project ID: #1465.001; Grewel-451 Hegenberger	Date Sampled: 09/18/12
1710 Franklin Street, Ste. 200		Date Received: 09/18/12
	Client Contact: Tina De La Fuente	Date Extracted: 09/23/12
Oakland, CA 94612	Client P.O.:	Date Analyzed: 09/23/12

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1209438

Lab ID	1209438-001A
Client ID	TB
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<200	20	10	tert-Amyl methyl ether (TAME)	ND<10	20	0.5
Benzene	ND<10	20	0.5	Bromobenzene	ND<10	20	0.5
Bromochloromethane	ND<10	20	0.5	Bromodichloromethane	ND<10	20	0.5
Bromoform	ND<10	20	0.5	Bromomethane	ND<10	20	0.5
2-Butanone (MEK)	ND<40	20	2.0	t-Butyl alcohol (TBA)	1800	20	2.0
n-Butyl benzene	ND<10	20	0.5	sec-Butyl benzene	ND<10	20	0.5
tert-Butyl benzene	ND<10	20	0.5	Carbon Disulfide	ND<10	20	0.5
Carbon Tetrachloride	ND<10	20	0.5	Chlorobenzene	ND<10	20	0.5
Chloroethane	ND<10	20	0.5	Chloroform	ND<10	20	0.5
Chloromethane	ND<10	20	0.5	2-Chlorotoluene	ND<10	20	0.5
4-Chlorotoluene	ND<10	20	0.5	Dibromochloromethane	ND<10	20	0.5
1,2-Dibromo-3-chloropropane	ND<4.0	20	0.2	1,2-Dibromoethane (EDB)	ND<10	20	0.5
Dibromomethane	ND<10	20	0.5	1,2-Dichlorobenzene	ND<10	20	0.5
1,3-Dichlorobenzene	ND<10	20	0.5	1,4-Dichlorobenzene	ND<10	20	0.5
Dichlorodifluoromethane	ND<10	20	0.5	1,1-Dichloroethane	ND<10	20	0.5
1,2-Dichloroethane (1,2-DCA)	ND<10	20	0.5	1,1-Dichloroethene	ND<10	20	0.5
cis-1,2-Dichloroethene	ND<10	20	0.5	trans-1,2-Dichloroethene	ND<10	20	0.5
1,2-Dichloropropane	ND<10	20	0.5	1,3-Dichloropropane	ND<10	20	0.5
2,2-Dichloropropane	ND<10	20	0.5	1,1-Dichloropropene	ND<10	20	0.5
cis-1,3-Dichloropropene	ND<10	20	0.5	trans-1,3-Dichloropropene	ND<10	20	0.5
Diisopropyl ether (DIPE)	ND<10	20	0.5	Ethylbenzene	ND<10	20	0.5
Ethyl tert-butyl ether (ETBE)	ND<10	20	0.5	Freon 113	ND<200	20	10
Hexachlorobutadiene	ND<10	20	0.5	Hexachloroethane	ND<10	20	0.5
2-Hexanone	ND<10	20	0.5	Isopropylbenzene	ND<10	20	0.5
4-Isopropyl toluene	ND<10	20	0.5	Methyl-t-butyl ether (MTBE)	15	20	0.5
Methylene chloride	ND<10	20	0.5	4-Methyl-2-pentanone (MIBK)	ND<10	20	0.5
Naphthalene	ND<10	20	0.5	n-Propyl benzene	ND<10	20	0.5
Styrene	ND<10	20	0.5	1,1,1,2-Tetrachloroethane	ND<10	20	0.5
1,1,2,2-Tetrachloroethane	ND<10	20	0.5	Tetrachloroethene	ND<10	20	0.5
Toluene	ND<10	20	0.5	1,2,3-Trichlorobenzene	ND<10	20	0.5
1,2,4-Trichlorobenzene	ND<10	20	0.5	1,1,1-Trichloroethane	ND<10	20	0.5
1,1,2-Trichloroethane	ND<10	20	0.5	Trichloroethene	ND<10	20	0.5
Trichlorofluoromethane	ND<10	20	0.5	1,2,3-Trichloropropane	ND<10	20	0.5
1,2,4-Trimethylbenzene	ND<10	20	0.5	1,3,5-Trimethylbenzene	ND<10	20	0.5
Vinyl Chloride	ND<10	20	0.5	Xylenes, Total	ND<10	20	0.5

Surrogate Recoveries (%)

%SS1:	102	%SS2:	101
%SS3:	107		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	10/17/1995	2.61	4.12	-1.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-1	03/29/1996	2.61	3.33	-0.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	9.5	-	-	-	-	-	-
MW-1	06/26/1996	2.61	3.84	-1.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	46	-	-	-	-	-	-
MW-1	09/25/1996	2.61	4.02	-1.41	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	940	-	-	-	-	-	-
MW-1	12/17/1996	2.61	3.57	-0.96	0.00	0.00	-	-	-	-	<50	0.9	<0.5	<0.5	<0.5	260	-	-	-	-	-	-
MW-1	03/20/1997	2.61	4.15	-1.54	0.00	0.00	-	-	-	-	<50	<2.0	<2.0	<2.0	<2.0	76	-	-	-	-	-	-
MW-1	06/20/1997	2.61	4.33	-1.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	64	-	-	-	-	-	-
MW-1	09/09/1997	2.61	4.35	-1.74	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	110	-	-	-	-	-	-
MW-1	12/12/1997	2.61	3.00	-0.39	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	27	-	-	-	-	-	-
MW-1	02/19/1998	2.61	1.83	0.78	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	14	-	-	-	-	-	-
MW-1	06/23/1998	2.61	3.34	-0.73	0.00	0.00	-	-	-	-	210	<0.5	<0.5	<0.5	<0.5	3,400	-	<50,000	<10,000	<200	<200	<200
MW-1	08/31/1998	2.61	3.49	-0.88	0.00	0.00	-	-	-	-	1,400	630	<5.0	<5.0	<5.0	16,000	-	-	-	-	-	-
MW-1	12/29/1998	2.61	3.83	-1.22	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	1,090	-	-	-	-	-	-
MW-1	03/11/1999	2.61	3.04	-0.43	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	33.9	-	-	-	-	-	-
MW-1	06/24/1999	2.61	3.38	-0.77	0.00	0.00	-	-	-	-	<500	65.7	<5.0	<5.0	<5.0	1,160	-	<10,000	<2,000	<20	<20	258
MW-1	09/29/1999	2.61	3.62	-1.01	0.00	0.00	-	-	-	-	81.7	<0.5	<0.5	<0.5	<0.5	1,130	-	-	-	-	-	-
MW-1	12/08/1999	2.61	4.07	-1.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	233	-	-	-	-	-	-
MW-1	03/01/2000	2.61	1.95	0.66	0.00	0.00	-	-	-	-	100	<0.5	<0.5	<0.5	<0.5	37.9	-	-	-	-	-	-
MW-1	06/19/2000	2.61	3.41	-0.80	0.00	0.00	-	-	-	-	<50	3.8	<0.50	<0.50	<0.50	88	91[2]	<500	<100	<2.0	<2.0	11
MW-1	09/30/2000	2.61	3.84	-1.23	0.00	0.00	-	-	-	-	<130	<1.3	<1.3	<1.3	<1.3	460	530[2]	-	-	-	-	-
MW-1	10/05/2000	2.61	3.93	-1.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/08/2000	8.61	4.20	4.41	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	58.7	-	-	-	-	-	-
MW-1	03/03/2001[11]	8.61	2.31	6.30	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	8.9	-	-	-	-	-	-
MW-1	06/19/2001	8.61	3.34	5.27	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	51	-	-	-	-	-	-
MW-1	09/05/2001	8.61	3.77	4.84	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	180	-	-	-	-	-	-
MW-1	12/10/2001	8.61	2.47	6.14	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	21	-	-	-	-	-	-
MW-1	03/04/2002	8.61	3.13	5.48	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	47	-	-	-	-	-	-
MW-1	06/03/2002	8.61	5.71	2.90	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	31	-	-	-	-	-	-
MW-1	09/14/2002	8.61	3.75	4.86	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	140	-	-	-	-	-	-
MW-1	12/13/2002	8.61	3.29	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	03/14/2003	8.61	3.07	5.54	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	35	-	-	-	-	-	-
MW-1	06/09/2003[15]	8.61	3.52	5.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	69	-	-	-	-	-
MW-1	09/03/2003[15]	8.61	4.12	4.49	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	12/01/2003[15]	8.61	3.27	5.34	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	100	<50	-	-	-	-
MW-1	03/01/2004[15]	8.61	2.06	6.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	26	<50	-	-	-	-
MW-1	06/02/2004[15]	8.61	3.30	5.31	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	93	<50	-	-	-	-
MW-1	09/03/2004[15]	8.61	4.14	4.47	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	140	<50	-	-	-	-
MW-1	12/20/2004[15]	8.61	3.62	4.99	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	37	<50	-	-	-	-
MW-1	03/12/2005[15]	8.61	3.04	5.57	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-1	06/28/2005[15]	8.61	3.28	5.33	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	93	<50	-	-	-	-
MW-1	09/01/2005[15]	8.61	3.58	5.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	59	<50	-	-	-	-
MW-1	12/01/2005[15]	8.61	3.05	5.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	62	<50	-	-	-	-
MW-1	03/04/2006[15]	8.61	3.31	5.30	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	88	<50	-	-	-	-
MW-1	06/01/2006[15]	8.61	3.44	5.17	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	36	<50	-	-	-	-
MW-1	09/01/2006[15]	8.61	2.99	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-1	12/15/2006[15]	8.61	2.91	5.70	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-1	03/15/2007[15]	8.61	3.43	5.18	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-1	06/15/2007[15]	8.61	3.67	4.94	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-1	09/06/2007[15]	8.61	3.42	5.19	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	12/07/2007[15]	8.61	3.31	5.30	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-1	03/07/2008[15]	8.61	3.45	5.16	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-1	06/24/2008[15]	8.61	3.76	4.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	09/11/2008[15]	8.61	4.50	4.11	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	-	-	-	-	-
MW-1	12/19/2008[15]	8.61	3.73	4.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-1	06/01/2009	8.61	4.77	3.84	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	09/30/2009	8.61	4.81	3.80	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	12/10/2009	8.61	3.95	4.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-1	12/11/2009	8.61	3.81	4.80	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/08/2010	8.61	2.90	5.71	0.00	0.00	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-1	06/06/2010	8.61	3.40	5.21	0.00	0.00	280	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	09/02/2010	8.61	4.02	4.59	0.00	0.00	320	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	12/09/2010	8.61	3.23	5.38	0.00	0.00	320	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	03/23/2011	8.61	2.33	6.28	0.00	0.00	1,100	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	06/24/2011	8.61	3.06	5.55	0.00	0.00	-	85 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	09/30/2011	8.61	3.75	4.86	0.00	0.00	-	<39	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1 J	<50	<5	<0.5	<0.5	<0.5
MW-1	03/16/2012	8.61	3.32	5.29	0.00	0.00	-	<41	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	09/13/2012	8.61	3.52	5.09	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	02/28/2013	8.61	3.45	5.16	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	09/21/2013[24]	8.61	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	**03/18/2014[24]**	**8.61**	-	-	**0.00**	**0.00**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	10/17/1995[3]	3.51	5.33	-1.82	0.00	0.00	-	-	1,600[4]	-	170	3.5	<0.5	1.0	6.1	-	-	-	-	-	-	-
MW-2	03/29/1996	3.51	3.95	-0.44	0.00	0.00	-	-	3,000[4]	-	89	11 / 4.7	<0.5	0.64	2.5 / 0.74	21	-	-	-	-	-	-
MW-2	06/26/1996	3.51	4.60	-1.09	0.00	0.00	-	-	2,000[4]	-	80	8.7 / 11	<0.5	1.2	<2.0 / 1.3	31	-	-	-	-	-	-
MW-2	09/25/1996	3.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1996	3.51	3.92	-0.41	0.00	0.00	-	-	2,400[4]	-	110	<0.5 / 10	<0.5	0.75	<2.0 / 2.1	27	-	-	-	-	-	-
MW-2	03/20/1997	3.51	4.83	-1.32	0.00	0.00	-	-	3,400[4]	-	140	8.2	<2.0	<2.0	<2.0	58	-	-	-	-	-	-
MW-2	06/20/1997	3.51	5.04	-1.53	0.00	0.00	-	-	1,600[4]	-	62	7.7 / 7.2	<0.5	<0.5	<0.5 / <2.0	38	-	-	-	-	-	-
MW-2	09/09/1997	3.51	4.98	-1.47	0.00	0.00	-	-	82[4]	-	190	9.4 / 11	<0.5	<0.5	<2.0 / 0.86	48	-	-	-	-	-	-
MW-2	12/12/1997	3.51	3.91	-0.40	0.00	0.00	-	-	8,500[4]	-	180	<2.0 / 1.8	<0.5	<0.5	<2.0 / 3.2	34	-	-	-	-	-	-
MW-2	02/19/1998	3.51	2.96	0.55	0.00	0.00	-	-	3,800[4]	-	<100	<3.3 / 1.8	<1.0	<1.0	<3.3 / <1.0	230	-	-	-	-	-	-
MW-2	06/23/1998	3.51	4.05	-0.54	0.00	0.00	-	-	-	-	60	<0.5	<0.5	<0.5	<0.5	55	-	<500	<100	<2.0	<2.0	<2.0
MW-2	08/31/1998	3.51	4.31	-0.80	0.00	0.00	-	-	-	-	61	2.2	<0.5	<0.5	1.1	53	-	-	-	-	-	-
MW-2	12/29/1998	3.51	4.63	-1.12	0.00	0.00	-	-	-	-	54	1.3	<0.5	<0.5	0.752	38.1	-	-	-	-	-	-
MW-2	03/11/1999	3.51	3.52	-0.01	0.00	0.00	-	-	-	-	648	2.9	<2.0	<2.0	<2.0	73.2	-	-	-	-	-	-
MW-2	06/24/1999	3.51	4.00	-0.49	0.00	0.00	-	-	-	-	264	0.58	<0.5	1.01	<0.5	44.1	-	<1,000	<200	<2.0	<2.0	<2.0
MW-2	09/29/1999	3.51	4.44	-0.93	0.00	0.00	-	-	-	-	54.3	0.66	<0.5	<0.5	<0.5	35.7	-	-	-	-	-	-
MW-2	12/08/1999	3.51	4.89	-1.38	0.00	0.00	-	-	-	-	<50	1.27	<0.5	<0.5	<0.5	56.9	-	-	-	-	-	-
MW-2	03/01/2000	3.51	3.03	0.48	0.00	0.00	-	-	-	-	68	1.57	<0.5	<0.5	<0.5	110	-	-	-	-	-	-
MW-2	06/19/2000	3.51	4.17	-0.66	0.00	0.00	-	-	-	-	58.00[1]	1.5	<0.50	<0.50	<0.50	90	59[2]	<500	<100	<2.0	<2.0	4.0

TABLE 1

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	09/30/2000	3.51	4.66	-1.15	0.00	0.00	-	-	-	-	<50	<0.50	0.82	<0.50	1.1	48	50[2]	-	-	-	-	-
MW-2	10/05/2000[8,9]	3.51	4.71	-1.20	0.00	0.00	-	-	4,000[7]	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/08/2000	9.52	4.97	4.55	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	61.8	-	-	-	-	-	-
MW-2	03/03/2001[11]	9.52	3.27	6.25	0.00	0.00	-	-	-	-	310[12]	0.60	<0.50	<0.50	1.3	97	-	-	-	-	-	-
MW-2	06/19/2001	9.52	4.05	5.47	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	30	-	-	-	-	-	-
MW-2	09/05/2001	9.52	4.54	4.98	0.00	0.00	-	-	-	-	<50	<0.50	1.2	<0.50	<1.5	46	-	-	-	-	-	-
MW-2	12/10/2001	9.52	3.45	6.07	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	22	-	-	-	-	-	-
MW-2	03/04/2002	9.52	3.94	5.58	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	61	-	-	-	-	-	-
MW-2	06/03/2002	9.52	4.08	5.44	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	71	-	-	-	-	-	-
MW-2	09/14/2002	9.52	4.65	4.87	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	77	-	-	-	-	-	-
MW-2	12/13/2002	9.52	4.31	5.21	0.00	0.00	-	-	-	-	53	<0.50	<0.50	<0.50	<1.5	44	-	-	-	-	-	-
MW-2	03/14/2003	9.52	3.91	5.61	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	55	-	-	-	-	-	-
MW-2	06/09/2003[13]	9.52	4.33	5.19	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	67	-	-	-	-	-
MW-2	09/03/2003[13]	9.52	4.93	4.59	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.9	<50	-	-	-	-
MW-2	12/01/2003[13]	9.52	4.15	5.37	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	72	<50	-	-	-	-
MW-2	03/01/2004[13]	9.52	3.12	6.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-2	06/02/2004[13]	9.52	4.21	5.31	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	46	<50	-	-	-	-
MW-2	09/03/2004[13]	9.52	4.14	5.38	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	69	<50	-	-	-	-
MW-2	12/20/2004	9.52	4.60	4.96**	0.05	0.01[14]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/12/2005[13]	9.52	3.90	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	57	<50	-	-	-	-
MW-2	06/28/2005[13]	9.52	4.06	5.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-2	09/01/2005	9.52	4.52	5.03**	0.04	1.10[14]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2005[13]	9.52	4.01	5.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-2	03/04/2006[13]	9.52	4.27	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-2	06/01/2006[13]	9.52	4.40	5.12	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-2	09/01/2006[13]	9.52	3.90	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	31	<50	-	-	-	-
MW-2	12/15/2006[13]	9.52	3.88	5.64	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-2	03/15/2007[13]	9.52	4.27	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-2	06/15/2007[16]	9.52	4.49	5.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/06/2007[13]	9.52	4.32	5.20	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	43	<50	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
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							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	12/07/2007[13]	9.52	4.46	5.06	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	28	<50	-	-	-	-
MW-2	03/07/2008[13]	9.52	4.38	5.15**	0.01	0.01	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-2	06/24/2008	9.52	5.16	4.88**	0.65	0.73[14]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/11/2008	9.52	5.50	4.30**	0.35	0.13[14]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/19/2008	9.52	4.80	4.75**	0.04	0.50[18]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/01/2009	9.52	4.90	4.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/30/2009	9.52	4.82	4.70**	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/10/2009	9.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/11/2009	9.52	4.89	4.63**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/08/2010	9.52	3.82	5.74**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/06/2010	9.52	4.52	5.06**	0.07	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/02/2010[22]	9.52	4.89	4.67**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/09/2010[22]	9.52	3.74	5.82**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/23/2011[22]	9.52	3.38	8.81**	0.04	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/24/2011[22]	9.52	4.08	5.48**	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/30/2011[22]	9.52	4.76	4.81**	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/16/2012[22]	9.52	4.64	4.96**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/13/2012[22]	9.52	4.66	4.94**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/28/2013[27]	Monitoring well destroyed																				
MW-3	10/17/1995[5]	3.08	4.42	-1.34	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-3	03/29/1996	3.08	3.00	0.08	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	26	-	-	-	-	-	-
MW-3	06/26/1996	3.08	3.60	-0.52	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	47	-	-	-	-	-	-
MW-3	09/25/1996	3.08	4.14	-1.06	0.00	0.00	-	-	-	-	<125	<1.2	<1.2	<1.2	<1.2	570	-	-	-	-	-	-
MW-3	12/17/1996	3.08	3.20	-0.12	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	680	-	-	-	-	-	-
MW-3	03/20/1997	3.08	3.30	-0.22	0.00	0.00	-	-	-	-	<50	<5.7	<5.7	<5.7	<5.7	430	-	-	-	-	-	-
MW-3	06/20/1997	3.08	3.86	-0.78	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	1,400	-	-	-	-	-	-
MW-3	09/09/1997	3.08	4.19	-1.11	0.00	0.00	-	-	-	-	76[9]	22	<0.5	<0.5	<0.5	920	-	-	-	-	-	-
MW-3	12/12/1997	3.08	2.96	0.12	0.00	0.00	-	-	-	-	52	15	<0.5	<0.5	<0.5	710	-	-	-	-	-	-
MW-3	02/19/1998	3.08	2.22	0.86	0.00	0.00	-	-	-	-	<50	6.6	<0.5	<0.5	<0.5	380	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	06/23/1998	3.08	3.25	-0.17	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	390	-	<5,000	<1,000	<20	<20	26
MW-3	08/31/1998	3.08	3.86	-0.78	0.00	0.00	-	-	-	-	<50	19	<0.5	<0.5	<0.5	830	-	-	-	-	-	-
MW-3	12/29/1998	3.08	3.53	-0.45	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	416	-	-	-	-	-	-
MW-3	03/11/1999	3.08	3.35	-0.27	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	262	-	-	-	-	-	-
MW-3	06/24/1999	3.08	3.61	-0.53	0.00	0.00	-	-	-	-	<50	12.8	<0.5	<0.5	<0.5	620	-	<6,670	<1,330	<13.3	<13.3	<13.3
MW-3	09/29/1999	3.08	3.95	-0.87	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	2,840	-	-	-	-	-	-
MW-3	12/08/1999	3.08	3.54	-0.46	0.00	0.00	-	-	-	-	73.4	<0.5	<0.5	<0.5	<0.5	1,620	-	-	-	-	-	-
MW-3	03/01/2000	3.08	2.43	0.65	0.00	0.00	-	-	-	-	<200	<2.0	<2.0	<2.0	<2.0	1,880	-	-	-	-	-	-
MW-3	06/19/2000	3.08	3.38	-0.30	0.00	0.00	-	-	-	-	<250	20	<2.5	<2.5	<2.5	1,200	920[2]	570	<100	<2.0	<2.0	65
MW-3	09/30/2000	3.08	4.00	-0.92	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	730	2,100[2]	-	-	-	-	-
MW-3	10/05/2000	3.08	4.02	-0.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/08/2000	9.08	3.70	5.38	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	1,620	-	-	-	-	-	-
MW-3	03/03/2001[11]	9.08	2.24	6.84	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	1,000	-	-	-	-	-	-
MW-3	06/19/2001	9.08	3.71	5.37	0.00	0.00	-	-	-	-	<120	4.8	<1.2	<1.2	<1.2	510	-	-	-	-	-	-
MW-3	09/05/2001	9.08	4.04	5.04	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	1,400	-	-	-	-	-	-
MW-3	12/10/2001	9.08	2.54	6.54	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	1,000	-	-	-	-	-	-
MW-3	03/04/2002	9.08	2.84	6.24	0.00	0.00	-	-	-	-	120	<0.50	<0.50	<0.50	<1.5	720	-	-	-	-	-	-
MW-3	06/03/2002	9.08	3.28	5.80	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	710	-	-	-	-	-	-
MW-3	09/14/2002	9.08	4.15	4.93	0.00	0.00	-	-	-	-	590	<20	<1.0	<1.0	<3.0	2,600	-	-	-	-	-	-
MW-3	12/13/2002	9.08	3.85	5.23	0.00	0.00	-	-	-	-	430	<0.50	<0.50	<0.50	<1.5	2,000	-	-	-	-	-	-
MW-3	03/14/2003	9.08	2.99	6.09	0.00	0.00	-	-	-	-	310	<0.50	<0.50	<0.50	<1.5	1,600	-	-	-	-	-	-
MW-3	06/09/2003[12]	9.08	3.34	5.74	0.00	0.00	-	-	-	-	330	<0.5	<0.5	<0.5	<0.5	-	1,800	-	-	-	-	-
MW-3	09/03/2003[12]	9.08	3.97	5.11	0.00	0.00	-	-	-	-	720	<3	<3	<3	<3	-	4,100	<250	-	-	-	-
MW-3	12/01/2003[13]	9.08	3.76	5.32	0.00	0.00	-	-	-	-	520	<1	<1	<1	<1	-	2,400	<130	-	-	-	-
MW-3	03/01/2004[13]	9.08	2.11	6.97	0.00	0.00	-	-	-	-	140	<0.5	<0.5	<0.5	<0.5	-	850	<50	-	-	-	-
MW-3	06/02/2004[13]	9.08	3.65	5.43	0.00	0.00	-	-	-	-	220	<0.5	<0.5	<0.5	<0.5	-	1,500	<50	-	-	-	-
MW-3	09/03/2004[13]	9.08	5.01	4.07	0.00	0.00	-	-	-	-	300	<1	<1	<1	<1	-	1,800	<100	-	-	-	-
MW-3	12/20/2004[13]	9.08	4.85	4.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	86	<50	-	-	-	-
MW-3	03/12/2005[13]	9.08	4.39	4.69	0.00	0.00	-	-	-	-	<50	0.6	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-3	06/28/2005[13]	9.08	4.56	4.52	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	09/01/2005[13]	9.08	4.67	4.41	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	47	<50	-	-	-	-
MW-3	12/01/2005[13]	9.08	4.43	4.65	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-3	03/04/2006[13]	9.08	4.32	4.76	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	36	<50	-	-	-	-
MW-3	06/01/2006[13]	9.08	4.52	4.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	09/01/2006[13]	9.08	4.66	4.42	0.00	0.00	-	-	-	-	75	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	12/15/2006[13]	9.08	4.07	5.01	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-3	03/15/2007[13]	9.08	4.26	4.82	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	24	<50	-	-	-	-
MW-3	06/15/2007[13]	9.08	4.62	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-3	09/06/2007[13]	9.08	4.70	4.38	0.00	0.00	-	-	-	-	<60	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-3	12/07/2007[13]	9.08	4.60	4.48	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-3	03/07/2008[13]	9.08	4.31	4.77	0.00	0.00	-	-	-	-	51	<0.5	<0.5	<0.5	<0.5	-	20	<50	-	-	-	-
MW-3	06/24/2008[14]	9.08	4.68	4.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	21	<50	-	-	-	-
MW-3	09/11/2008[15]	9.08	5.02	4.06	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	12/19/2008[13]	9.08	4.67	4.41	0.00	0.00	-	-	-	-	59	<0.5	<0.5	<0.5	0.9	-	21	<50	-	-	-	-
MW-3	06/01/2009	9.08	4.48	4.60	0.00	0.00	-	-	-	-	60 J	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-3	09/30/2009	9.08	3.98	5.10	0.00	0.00	-	-	-	-	72 J	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-3	12/10/2009	9.08	4.95	4.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/11/2009	9.08	4.60	4.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/08/2010	9.08	3.70	5.38	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	32	<50	-	-	-	-
MW-3	06/06/2010	9.08	4.37	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/02/2010	9.08	4.82	4.26	0.00	0.00	240	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-3	12/09/2010[23]	9.08	3.82	5.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/23/2011	9.08	3.25	5.83	0.00	0.00	4,600	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-3	06/24/2011	9.08	4.37	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/30/2011	9.08	5.07	4.01	0.00	0.00	-	<40	-	<50	<50	<5	<5	<5	<5	-	21 J	<500	2,200	<5	<5	<5
MW-3	03/16/2012	9.08	3.99	5.09	0.00	0.00	-	53 J	-	89 J	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-3	09/13/2012	9.08	4.31	4.77	0.00	0.00	-	4,400	-	2,000	<50	<0.5	<0.5	<0.5	<0.5	-	24	<50	-	-	-	-
MW-3	02/28/2013[27]						Monitoring well destroyed															
MW-4	10/17/1995	3.48	5.08	-1.60	0.00	0.00	-	-	-	-	<125	<1.2	<1.2	<1.2	<1.2	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
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							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	03/29/1996	3.48	4.61	-1.13	0.00	0.00	-	-	-	-	<1,000	<10	<10	<10	<10	6,700	-	-	-	-	-	-
MW-4	06/26/1996	3.48	4.30	-0.82	0.00	0.00	-	-	-	-	<2,000	<20	<20	<20	<20	7,200	-	-	-	-	-	-
MW-4	09/25/1996	3.48	5.33	-1.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
MW-4	12/17/1996	3.48	2.81	0.67	0.00	0.00	-	-	-	-	<2,000	120	<20	<20	<20	11,000	-	-	-	-	-	-
MW-4	03/20/1997	3.48	4.50	-1.02	0.00	0.00	-	-	-	-	250[4]	<2.0	<2.0	<2.0	<2.0	10,000	8,600[6]	-	-	-	-	-
MW-4	06/20/1997	3.48	5.68	-2.20	0.00	0.00	-	-	-	-	<2,500	<25	<25	<25	<25	9,300	-	-	-	-	-	-
MW-4	09/09/1997	3.48	5.50	-2.02	0.00	0.00	-	-	-	-	460[4]	<0.5	<0.5	<0.5	<0.5	6,600	-	-	-	-	-	-
MW-4	12/12/1997	3.48	5.03	-1.55	0.00	0.00	-	-	-	-	430[4]	120	<2.5	<2.5	<2.5	7,800	-	-	-	-	-	-
MW-4	02/19/1998	3.48	3.35	0.13	0.00	0.00	-	-	-	-	510[4]	130	<0.5	<0.5	<0.5	6,600	-	-	-	-	-	-
MW-4	06/23/1998	3.48	4.98	-1.50	0.00	0.00	-	-	-	-	550[4]	<0.5	<0.5	<0.5	<0.5	6,800	-	<50,000	<10,000	<200	<200	860
MW-4	08/31/1998	3.48	5.42	-1.94	0.00	0.00	-	-	-	-	<500	450	<5.0	<5.0	<5.0	14,000	-	-	-	-	-	-
MW-4	12/29/1998	3.48	5.06	-1.58	0.00	0.00	-	-	-	-	<5,000	<50	<50	<50	<50	16,100	-	-	-	-	-	-
MW-4	03/11/1999	3.48	3.78	-0.30	0.00	0.00	-	-	-	-	979	<5.0	<5.0	<5.0	<5.0	15,100	-	-	-	-	-	-
MW-4	06/24/1999	3.48	4.31	-0.83	0.00	0.00	-	-	-	-	<2,500	715	<25	<25	<25	12,400	-	<125,000	<25,000	<250	<250	2,600
MW-4	09/29/1999	3.48	5.58	-2.10	0.00	0.00	-	-	-	-	1,380	<5.0	<5.0	<5.0	<5.0	11,700	-	-	-	-	-	-
MW-4	12/08/1999	3.48	5.33	-1.85	0.00	0.00	-	-	-	-	318	<0.5	<0.5	<0.5	<0.5	11,100	-	-	-	-	-	-
MW-4	03/01/2000	3.48	5.20	-1.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	9,940	-	-	-	-	-	-
MW-4	06/19/2000	3.48	5.36	-1.88	0.00	0.00	-	-	-	-	<1,000	220	<10	<10	<10	7,300	9,500[2]	<25,000	<5,000	<100	<100	1,100
MW-4	09/30/2000	3.48	3.77	-0.29	0.00	0.00	-	-	-	-	740[1]	<2.5	<2.5	<2.5	<2.5	6,000	7,800[2]	-	-	-	-	-
MW-4	10/05/2000	3.48	3.86	-0.38	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/08/2000	9.48	4.45	5.03	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	6,230	-	-	-	-	-	-
MW-4	03/03/2001[11]	9.48	3.83	5.65	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	3,600	-	-	-	-	-	-
MW-4	06/19/2001	9.48	3.37	6.11	0.00	0.00	-	-	-	-	<500	140	<5.0	<5.0	<5.0	2,500	-	-	-	-	-	-
MW-4	09/05/2001	9.48	3.96	5.52	0.00	0.00	-	-	-	-	400	<0.50	<0.50	<0.50	<1.5	2,800	-	-	-	-	-	-
MW-4	12/10/2001	9.48	5.05	4.43	0.00	0.00	-	-	-	-	700	<0.50	<0.50	<0.50	<1.5	3,400	-	-	-	-	-	-
MW-4	03/04/2002	9.48	3.67	5.81	0.00	0.00	-	-	-	-	660	<0.50	<0.50	<0.50	<1.5	2,900	-	-	-	-	-	-
MW-4	06/03/2002	9.48	5.24	4.24	0.00	0.00	-	-	-	-	610	<0.50	<0.50	<0.50	<1.5	3,000	-	-	-	-	-	-
MW-4	09/14/2002	9.48	5.22	4.26	0.00	0.00	-	-	-	-	490	<10	<1.0	<1.0	<3.0	2,400	-	-	-	-	-	-
MW-4	12/13/2002	9.48	4.67	4.81	0.00	0.00	-	-	-	-	440	<0.50	<0.50	<0.50	<1.5	2,200	-	-	-	-	-	-
MW-4	03/14/2003	9.48	4.64	4.84	0.00	0.00	-	-	-	-	490	<0.50	<0.50	<0.50	<1.5	2,600	-	-	-	-	-	-

TABLE 1

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06/09/2003[13]	9.48	5.03	4.45	0.00	0.00	-	-	-	-	340	<0.5	<0.5	<0.5	<0.5	-	1,700	-	-	-	-	-
MW-4	09/03/2003[13]	9.48	5.65	3.83	0.00	0.00	-	-	-	-	320	<1	<1	<1	<1	-	1,600	<130	-	-	-	-
MW-4	12/01/2003[13]	9.48	4.97	4.51	0.00	0.00	-	-	-	-	350	<1	<1	<1	<1	-	1,700	<100	-	-	-	-
MW-4	03/01/2004[13]	9.48	4.68	4.80	0.00	0.00	-	-	-	-	240	<0.5	<0.5	<0.5	<0.5	-	1,200	<50	-	-	-	-
MW-4	06/02/2004[13]	9.48	4.93	4.55	0.00	0.00	-	-	-	-	240	<0.5	<0.5	<0.5	<0.5	-	1,600	<50	-	-	-	-
MW-4	09/03/2004[13]	9.48	4.99	4.49	0.00	0.00	-	-	-	-	270	<1	<1	<1	<1	-	1,500	<100	-	-	-	-
MW-4	12/20/2004[13]	9.48	4.18	5.30	0.00	0.00	-	-	-	-	230	<3	<3	<3	<3	-	1,900	<250	-	-	-	-
MW-4	03/12/2005[13]	9.48	5.32	4.16	0.00	0.00	-	-	-	-	180	<1	<1	<1	<1	-	1,200	<100	-	-	-	-
MW-4	06/28/2005[13]	9.48	5.26	4.22	0.00	0.00	-	-	-	-	180	<0.5	<0.5	<0.5	<0.5	-	920	<50	-	-	-	-
MW-4	09/01/2005[13]	9.48	4.91	4.57	0.00	0.00	-	-	-	-	250	<1	<1	<1	<1	-	1,500	<100	-	-	-	-
MW-4	12/01/2005[13]	9.48	4.88	4.60	0.00	0.00	-	-	-	-	61	<0.5	<0.5	<0.5	<0.5	-	260	<50	-	-	-	-
MW-4	03/04/2006[13]	9.48	5.02	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	80	<50	-	-	-	-
MW-4	06/01/2006[13]	9.48	4.23	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	51	<50	-	-	-	-
MW-4	09/01/2006[13]	9.48	5.36	4.12	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-4	12/15/2006[13]	9.48	4.94	4.54	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-4	03/15/2007[13]	9.48	5.02	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-4	06/15/2007[13]	9.48	5.00	4.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-4	09/06/2007[13]	9.48	4.97	4.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-4	12/07/2007[13]	9.48	4.51	4.97	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	03/07/2008[13]	9.48	4.85	4.63	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	06/24/2008[13]	9.48	3.73	5.75	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	09/11/2008[13]	9.48	5.71	3.77	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	34	<50	-	-	-	-
MW-4	12/19/2008[13]	9.48	4.89	4.59	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	33	<50	-	-	-	-
MW-4	06/01/2009	9.48	4.45	5.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-4	09/30/2009	9.48	4.37	5.11	0.00	0.00	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-4	12/10/2009	9.48	9.04	0.44	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	33	<50	-	-	-	-
MW-4	03/08/2010	9.48	4.93	4.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	30	<50	-	-	-	-
MW-4	06/06/2010	9.48	4.60	4.88	0.00	0.00	400	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	21	<50	-	-	-	-
MW-4	09/02/2010	9.48	5.00	4.48	0.00	0.00	500	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-4	12/09/2010	9.48	4.91	4.57	0.00	0.00	370	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	48	<50	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	03/23/2011	9.48	5.12	4.36	0.00	0.00	500	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-4	06/24/2011	9.48	5.33	4.15	0.00	0.00	-	94 J	-	90 J	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-4	09/30/2011	9.48	5.31	4.17	0.00	0.00	-	<39	-	<50	<50	<5	<5	<5	<5	-	13 J	<500	680 J	<5	<5	<5
MW-4	03/16/2012	9.48	4.45	5.03	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-4	09/13/2012	9.48	5.00	4.48	0.00	0.00	-	260	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	31	<50	-	-	-	-
MW-4	02/28/2013	9.48	5.30	4.18	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	09/21/2013	9.48	4.52	4.96	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	28	<50	-	-	-	-
MW-4	03/18/2014	9.48	4.46	5.02	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-5	10/23/2000[10]	8.77	4.59	4.18	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	4.34	-	<1,000	<100	<2.00	<2.00	<2.00
MW-5	12/08/2000	8.77	3.43	5.34	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	11.0	-	-	-	-	-	-
MW-5	03/03/2001[11]	8.77	2.40	6.37	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	24	-	-	-	-	-	-
MW-5	06/19/2001	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/05/2001	8.77	3.75	5.02	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	31	-	-	-	-	-	-
MW-5	12/10/2001	8.77	2.79	5.98	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	45	-	-	-	-	-	-
MW-5	03/04/2002	8.77	2.52	6.25	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	29	-	-	-	-	-	-
MW-5	06/03/2002	8.77	3.20	5.57	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	40	-	-	-	-	-	-
MW-5	09/14/2002	8.77	3.85	4.92	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	92	-	-	-	-	-	-
MW-5	12/13/2002	8.77	3.45	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	32	-	-	-	-	-	-
MW-5	03/14/2003	8.77	2.95	5.82	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	71	-	-	-	-	-	-
MW-5	06/09/2003[12]	8.77	3.19	5.58	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	79	-	-	-	-	-
MW-5	09/03/2003[13]	8.77	3.79	4.98	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-5	12/01/2003[13]	8.77	3.34	5.43	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	52	<50	-	-	-	-
MW-5	03/01/2004[13]	8.77	2.48	6.29	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	120	<50	-	-	-	-
MW-5	06/02/2004[13]	8.77	3.11	5.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-5	09/03/2004[13]	8.77	5.11	3.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	80	<50	-	-	-	-
MW-5	12/20/2004[13]	8.77	5.10	3.67	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	62	<50	-	-	-	-
MW-5	03/12/2005[13]	8.77	4.71	4.06	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	58	<50	-	-	-	-
MW-5	06/28/2005[13]	8.77	4.93	3.84	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	64	<50	-	-	-	-
MW-5	09/01/2005[13]	8.77	4.92	3.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	61	<50	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
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Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	12/01/2005[13]	8.77	4.81	3.96	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	50	<50	-	-	-	-
MW-5	03/04/2006[13]	8.77	4.78	3.99	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	49	<50	-	-	-	-
MW-5	06/01/2006[13]	8.77	4.89	3.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	38	<50	-	-	-	-
MW-5	09/01/2006[13]	8.77	4.94	3.83	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	32	<50	-	-	-	-
MW-5	12/15/2006[13]	8.77	4.68	4.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	26	<50	-	-	-	-
MW-5	03/15/2007[13]	8.77	4.88	3.89	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-5	06/15/2007[13]	8.77	4.87	3.90	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-5	09/06/2007[13]	8.77	4.77	4.00	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-5	12/07/2007[13]	8.77	4.99	3.78	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-5	03/07/2008[13]	8.77	4.89	3.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	06/24/2008[13]	8.77	5.12	3.65	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	09/11/2008[13]	8.77	5.21	3.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	12/19/2008[13]	8.77	4.98	3.79	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-5	06/01/2009	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/30/2009	8.77	3.45	5.32	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-5	12/10/2009	8.77	4.76	4.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/06/2010	8.77	4.93	3.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/02/2010	8.77	5.30	3.47	0.00	0.00	190	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	12	<50	-	-	-	-
MW-5	12/09/2010[23,24]	8.77	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/23/2011	8.77	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/24/2011	8.77	4.88	3.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/30/2011	8.77	5.22	3.55	0.00	0.00	-	43 J	-	<50	<50	<5	<5	<5	<5	-	8 J	<500	<50	<5	<5	<5
MW-5	03/16/2012	8.77	4.73	4.04	0.00	0.00	-	-	-	58 J	<50	<0.5	<0.5	<0.5	<0.5	-	5	<50	-	-	-	-
MW-5	09/13/2012	8.77	4.90	3.87	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-5	02/28/2013	8.77	5.08	3.69	0.00	0.00	-	<43	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-5	09/21/2013	8.77	5.44	3.33	0.00	0.00	-	2,100	-	11,000	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-5	**03/18/2014**	**8.77**	**5.03**	**3.74**	**0.00**	**0.00**	-	**550**	-	**330**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	-	**4**	**<50**	-	-	-	-
MW-6	10/23/2000[10]	11.45	7.15	4.30	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	5.96	-	<1,000	<100	<2.00	<2.00	<2.00
MW-6	12/08/2000	11.45	6.84	4.61	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	8.80	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	UNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	03/03/2001[11]	11.45	6.13	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	9.0	-	-	-	-	-	-
MW-6	06/19/2001	11.45	5.80	5.65	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
MW-6	09/05/2001	11.45	5.16	6.29	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	12/10/2001	11.45	4.81	6.64	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	03/04/2002	11.45	4.16	7.29	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	06/03/2002	11.45	5.71	5.74	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	09/14/2002	11.45	6.65	4.80	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	12/13/2002	11.45	6.39	5.06	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	03/14/2003	11.45	6.47	4.98	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	06/09/2003[12]	11.45	6.78	4.67	0.00	0.00	-	-	-	-	<50	<0.5	0.7	<0.5	<0.5	-	1	-	-	-	-	-
MW-6	09/03/2003[13]	11.45	7.08	4.37	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.8	<50	-	-	-	-
MW-6	12/01/2003[13]	11.45	3.57	7.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/01/2004[13]	11.45	3.18	8.27	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-6	06/02/2004[13]	11.45	3.50	7.95	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/03/2004[13]	11.45	2.17	9.28	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-
MW-6	12/20/2004[13]	11.45	6.03	5.42	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-
MW-6	03/12/2005[13]	11.45	5.05	6.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/28/2005[13]	11.45	2.36	9.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/01/2005[13]	11.45	2.87	8.58	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/01/2005[13]	11.45	2.90	8.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/04/2006[13]	11.45	3.71	7.74	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/01/2006[13]	11.45	2.57	8.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/01/2006[13]	11.45	2.36	9.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/15/2006[13]	11.45	3.16	8.29	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/15/2007[13]	11.45	2.42	9.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/15/2007[13]	11.45	3.32	8.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/06/2007[13]	11.45	5.41	6.04	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-
MW-6	12/07/2007[13]	11.45	5.94	5.51	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	03/07/2008[13]	11.45	6.22	5.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/24/2008[13]	11.45	2.48	8.97	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	09/11/2008[13]	11.45	2.57	8.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/19/2008[13]	11.45	3.67	7.78	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	06/01/2009	11.45	5.32	6.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.9 J	<50	-	-	-	-
MW-6	09/30/2009	11.45	5.32	6.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-6	12/10/2009	11.45	2.54	8.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/08/2010	11.45	3.30	8.15	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-6	06/06/2010	11.45	2.42	9.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/02/2010	11.45	3.03	8.42	0.00	0.00	110 J	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	12/09/2010[23]	11.45	2.34	9.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/23/2011	11.45	2.62	8.83	0.00	0.00	180	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-6	06/24/2011	11.45	5.11	6.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/30/2011	11.45	3.86	7.59	0.00	0.00	-	51 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	4 J	<50	<5	<0.5	<0.5	0.6 J
MW-6	03/16/2012[26]	11.45	3.69	7.76	0.00	0.00	-	190/66 J	-	78 J/<50	<50/<50	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	-	3/<0.5	<50/<50	-	-	-	-
MW-6	09/13/2012	11.45	4.31	7.14	0.00	0.00	-	180	-	180	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-6	02/28/2013	11.45	4.25	7.20	0.00	0.00	-	70 J	-	110 J	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-6	09/21/2013[28,29]	11.45	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/18/2014[27]	11.45	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	10/23/2000[10]	10.58	6.25	4.33	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	1,210	-	<6,670	<667	13.3	13.3	199
MW-7	12/08/2000	10.58	7.23	3.35	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	338	-	-	-	-	-	-
MW-7	03/03/2001[11]	10.58	6.27	4.31	0.00	0.00	-	-	-	-	72[12]	<0.50	<0.50	<0.50	<0.50	460	-	-	-	-	-	-
MW-7	06/19/2001	10.58	5.82	4.76	0.00	0.00	-	-	-	-	110[1]	18	<0.50	<0.50	<0.50	440	-	-	-	-	-	-
MW-7	09/05/2001	10.58	6.54	4.04	0.00	0.00	-	-	-	-	180	<0.50	<0.50	<0.50	<1.5	640	-	-	-	-	-	-
MW-7	12/10/2001	10.58	5.54	5.04	0.00	0.00	-	-	-	-	110	<0.50	<0.50	<0.50	<1.5	390	-	-	-	-	-	-
MW-7	03/04/2002	10.58	6.90	3.68	0.00	0.00	-	-	-	-	220	1.1	<0.50	3.0	<1.5	460	-	-	-	-	-	-
MW-7	06/03/2002	10.58	5.64	4.94	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	350	-	-	-	-	-	-
MW-7	09/14/2002	10.58	7.03	3.55	0.00	0.00	-	-	-	-	120	<2.0	<0.50	<0.50	<1.5	340	-	-	-	-	-	-
MW-7	12/13/2002	10.58	5.59	4.99	0.00	0.00	-	-	-	-	57	<0.50	<0.50	<0.50	<1.5	150	-	-	-	-	-	-
MW-7	03/14/2003	10.58	5.98	4.60	0.00	0.00	-	-	-	-	77	<0.50	<0.50	<0.50	<1.5	240	-	-	-	-	-	-
MW-7	06/09/2003[13]	10.58	6.26	4.32	0.00	0.00	-	-	-	-	79	<0.5	<0.5	<0.5	<0.5	-	210	-	-	-	-	-

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451 HEGENBERGER ROAD
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Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	09/03/2003[13]	10.58	6.86	3.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.8	<50	-	-	-	-
MW-7	12/01/2003[13]	10.58	5.47	5.11	0.00	0.00	-	-	-	-	58	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-7	03/01/2004[13]	10.58	5.98	4.60	0.00	0.00	-	-	-	-	71	<0.5	<0.5	<0.5	<0.5	-	180	<50	-	-	-	-
MW-7	06/02/2004[13]	10.58	4.81	5.77	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	87	<50	-	-	-	-
MW-7	09/03/2004[13]	10.58	6.42	4.16	0.00	0.00	-	-	-	-	55	<0.5	<0.5	<0.5	<0.5	-	140	<50	-	-	-	-
MW-7	12/20/2004[13]	10.58	6.22	4.36	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-7	03/12/2005[13]	10.58	5.79	4.79	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-7	06/28/2005[13]	10.58	4.62	5.96	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	30	<50	-	-	-	-
MW-7	09/01/2005[13]	10.58	4.78	5.80	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	70	<50	-	-	-	-
MW-7	12/01/2005[13]	10.58	4.01	6.57	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-7	03/04/2006[13]	10.58	5.89	4.69	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	49	<50	-	-	-	-
MW-7	06/01/2006[13]	10.58	5.10	5.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-7	09/01/2006[13]	10.58	5.31	5.27	0.00	0.00	-	-	-	-	<50	0.5	5	<0.5	5	-	17	<50	-	-	-	-
MW-7	12/15/2006[13]	10.58	5.89	4.69	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	20	<50	-	-	-	-
MW-7	03/15/2007[13]	10.58	5.67	4.91	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-7	06/15/2007[13]	10.58	5.05	5.53	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	12	<50	-	-	-	-
MW-7	09/06/2007[13]	10.58	5.42	5.16	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-7	12/07/2007[13]	10.58	5.38	5.20	0.00	0.00	-	-	-	-	<250[17]	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-7	03/07/2008[13]	10.58	5.54	5.04	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-7	06/24/2008[13]	10.58	6.10	4.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-7	09/11/2008[13]	10.58	6.86	3.72	0.00	0.00	-	-	-	-	99	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-7	12/19/2008[13]	10.58	6.54	4.04	0.00	0.00	-	-	-	-	<50	<0.5	0.7	<0.5	1	-	9	<50	-	-	-	-
MW-7	06/01/2009	10.58	4.10	6.48	0.00	0.00	-	-	-	-	70 J	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-7	09/30/2009	10.58	3.11	7.47	0.00	0.00	-	-	-	-	110	<0.5	<0.5	<0.5	<0.5	-	11	<50	-	-	-	-
MW-7	12/10/2009	10.58	6.93	3.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/08/2010	10.58	5.70	4.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-7	06/06/2010	10.58	5.56	5.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/02/2010	10.58	5.87	4.71	0.00	0.00	390	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-7	12/09/2010[23]	10.58	5.44	5.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/23/2011	10.58	4.64	5.94	0.00	0.00	480	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	06/24/2011	10.58	5.70	4.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/30/2011	10.58	6.60	3.98	0.00	0.00	-	48 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	81	<0.5	<0.5	0.7 J
MW-7	03/16/2012	10.58	5.93	4.65	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	5	<50	-	-	-	-
MW-7	09/13/2012	10.58	6.16	4.42	0.00	0.00	-	54 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-7	02/28/2013[27]										Monitoring well destroyed											
QA	12/10/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	03/04/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	06/03/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	09/14/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	12/13/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	03/14/2003	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	06/09/2003[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/03/2003[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/01/2003[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/01/2004[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/02/2004[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/03/2004[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/20/2004[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/12/2005[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/28/2005[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/01/2005[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	315[13]	<0.5	215[13]	-	<0.5	-	-	-	-	-
QA	12/01/2005[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/04/2006[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/01/2006[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/01/2006[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/15/2006[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/15/2007[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/15/2007[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/06/2007[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	12/07/2007[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/07/2008[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/24/2008[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/11/2008[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/19/2008[13]	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/01/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/30/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/10/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/08/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/06/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/02/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/09/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/23/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/24/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/30/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/16/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/13/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	02/28/2013	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
QA	09/21/2013	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/18/2014	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/29/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	06/26/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	09/25/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/17/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	03/20/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	06/20/1997	-	-	-	-	-	-	-	-	-	<50	<2.0	<2.0	<2.0	<2.0	-	-	-	-	-	-	-
Trip Blank	09/09/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/12/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	02/19/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-

TABLE 1

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CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	06/23/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	08/31/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/29/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-
Trip Blank	03/11/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	06/24/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	09/29/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/08/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	03/01/2000	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	06/19/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	09/30/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	10/05/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	12/08/2000	-	-	-	-	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-
Trip Blank	03/03/2001[11]	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	06/19/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-

Abbreviations and Notes:

TOC = Top of casing.
DTW = Depth to water.
GWE = Groundwater Elevation.
LNAPLT = Light non-aqueous phase liquid thickness.
TPH-DRO = Total petroleum hydrocarbons - diesel range organics.
TPH-GRO = Total petroleum hydrocarbons - gasoline range organics.
VOCS = Volatile Organic Compounds
BTEX = Benzene, toluene, ethylbenzene, xylenes.
MTBE = Methyl tertiary butyl ether.
TBA = Tertiary butyl alcohol.
DIPE = Di-isopropyl ether.
ETBE = Ethyl tertiary butyl ether.
TAME = Tert amyl methyl ether.
Ft = Feet.
Ft-amsl = Feet above mean sea level.
Gal = Gallons.
µg/L = Micrograms per liter.
- = Not analyzed/not applicable.

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

							HYDROCARBONS					PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

<x = Not detected above laboratory method detection limit x.
J = Estimated value.

* TOC elevations were surveyed on November 15, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was the letter "O" in Oakland on an inlet in the westerly curb of Oakport Road, 150' southerly of the end of curve. (Benchmark Elevation = 7.82 feet, msl).

** GWE was corrected for the presence of LNAPL; correction factor: [(TOC - DTW) + (LNAPLT x 0.80)].

1 Laboratory report indicates gasoline C6-C12.
2 MTBE by EPA Method 8260.
3 Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.
4 Chromatogram pattern indicates an unidentified hydrocarbon.
5 Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.
6 Confirmation run.
7 Laboratory report indicates unidentified hydrocarbons >C16.
8 Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less then the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024 ppm.
9 Laboratory report indicates that Semi-Volatile Organic Compounds
10 Data was provided by Delta Environmental Consultants, Inc.
11 Laboratory report indicates sample was analyzed outside the EPA recommended holding time.
12 Laboratory report indicates unidentified hydrocarbons C6-C12.
13 BTEX and MTBE by EPA Method 8260.
14 LNAPL + Water removed.
15 Analytical result confirmed.
16 Probe did not detect LNAPL but was covered with product; LNAPL was confirmed with bailer.
17 Laboratory report indicates due to excessive foaming of the sample, normal reporting limits were not attained.
18 Water plus 15 milliliters of product removed from well.
19 The vial submitted for volatile analysis did not have a pH<2 at the time of analysis, pH = 7.
20 Due to excessive foaming of the sample, normal reporting limits were not attained.
21 Laboratory report indicates the result reported for xylene (total) is possibly the result of carryover from the sample injected prior to this sample. Since only one vial was submitted, a repeat analysis without headspace could not be performed to confirm the results.
22 Not sampled due to presence of LNAPL.
23 Sampled semi-annually.
24 Inaccessible - Well covered.
25 Monitoring and sampling occurred on 06/10/2010; however, the sample collection date was incorrectly written on the COC.
26 Pre-purge / post purge samples.
27 Monitoring well destroyed.
28 Dry.
29 Well damaged.

UST Case Closure Summary Form

Additional Information:

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Additionally, 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 shallow soil are not likely to exceed the LTCP media-specific criteria. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2.

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

RWQCB Notification

Notification Date: September 9, 2014

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist or Senior Hazardous Materials Specialist
Signature:	Date:
Approved by: Dilan Roe, P.E.	Title: LOP and SCP Program Manager
Signature:	Date:

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.