

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

June 14, 2006

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Mr. Fidel Casillas
2910 East 16th Street
Oakland, CA 94601

Subject: Fuel Leak Case No. RO0000305, Shell, 2001 Fruitvale Avenue, Oakland, CA

Dear Mr. Brown and Mr. Casillas:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). 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.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual TPH as motor oil remains in soil at concentrations exceeding San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (Water Board 2005) at depths of approximately 10 to 22.5 feet bgs in the area of the former waste oil tank.
- PCE, that appears to be from an off-site source, is present in groundwater at the site at concentrations ranging from 7.6 to 58 ppb.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Mr. Leroy Griffin (w/enc)
City of Oakland Fire Department
250 Frank Ogawa Plaza, Suite 3341
Oakland, CA 94612

Ms. Ana Friel (w/enc)
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

✓ Jerry Wickham (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)



June 14, 2006

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Mr. Fidel Casillas
2910 East 16th Street
Oakland, CA 94601

REMEDIAL ACTION COMPLETION CERTIFICATE

Dear Mr. Brown and Mr. Casillas:

Subject: Fuel Leak Case No. RO0000305, Shell, 2001 Fruitvale Avenue, Oakland, CA

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 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

William W. Pitcher
William Pitcher
Interim Director
Alameda County Environmental Health

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: April 6, 2006

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell/Fidel Casillas		
Site Facility Address: 2001 Fruitvale Avenue, Oakland, CA 94601		
RB Case No.: 01-2427	Local Case No.:	LOP Case No.: RO0000305
URF Filing Date: 02/01/1996	SWEEPS No.: ---	APN: 026-0747-013-00
Responsible Parties	Addresses	Phone Numbers
Denis Brown, Shell Oil Products US	20945 S. Wilmington Avenue, Carson, CA 90810	707-865-0251
Fidel and Dolores Casillas	2910 East 16 th Street, Oakland, CA 94601	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 and 2	1,000 gallons	Fuel	Removed	Prior to 1984; date unknown
3	4,000 gallons	Fuel	Removed	Prior to 1984; date unknown
4	110 gallons	Waste oil		Prior to 1984; date unknown
Piping			Removed	Prior to 1984; date unknown

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No information on condition of tanks when removed.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 15	Lowest Depth: 23	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: No known drinking water wells within 1,700 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Soscal Creek is approximately 525 feet north of site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and City of Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	2 - 1,000 gallon tanks 1 - 4,000 gallon tank 1 - 110 gallon tank	No information available from tank removals	Prior to 1984; date unknown
Piping	Not reported	No information available from tank removals	Prior to 1984; date unknown
Free Product	Not reported	--	--
Soil	Not reported	--	--
Groundwater	Not reported	--	--

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS No information available from tank removals IONS
BEFORE AND AFTER CLEANUP

(Please see Attachments 1 through 5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	830	830	6,100(1)	6,100(1)
TPH (Diesel)	1,500	1,500	28,000(2)	28,000(2)
TPH (Motor Oil)	11,100	11,100	NA	NA
Benzene	0.057	0.057	13	13
Toluene	0.41	0.41	25	25
Ethylbenzene	0.73	0.73	25	25
Xylenes	4.9	4.9	52	52
Heavy Metals	410(3)	410(3)	710(4)	710(4)
MTBE	0.26	0.26	<1(5)	<1(5)
Other (8240/8270)	0.046(6)	0.046(6)	58(7)	58(7)

- (1) Hydrocarbon does not match pattern of laboratory standard for gasoline.
 (2) Grab groundwater sample collected in 1999; results likely biased due to suspended sediment in the sample. The highest concentration of TPH as diesel detected in groundwater samples from monitoring wells is 630 ppb and does not match the pattern of laboratory standard for diesel.
 (3) Total lead; 49 ppm chromium; 82 ppm nickel; and 87 ppm zinc.
 (4) Total lead; 35 pp chromium; 250 ppb nickel; and 170 ppb zinc. Grab groundwater sample collected in 1999; results likely skewed due to suspended sediment in the sample.
 (5) MTBE <1 ppb; DIPE, ETBE, and TAME <4 ppb in groundwater; TBA <10 ppb in groundwater; EDC <0.5 ppb in groundwater.
 (6) Tetrachloroethene (PCE).
 (7) 58 ppb PCE; 5.1 ppb Trichloroethene; 13 ppb cis-1,2-dichloroethene; <0.5 ppb vinyl chloride.

Site History and Description of Corrective Actions:

The site is currently a paved parking lot but was a former Shell service station from prior to 1957 until approximately 1984. No reports are available to indicate when the underground storage tanks (USTs), piping, and dispensers were removed. In January 1996, five soil borings were advanced at the former locations of two UST complexes, two dispenser islands, and a sump formerly containing 2-inch suction fuel lines. The suspected former locations of the USTs, dispensers, and equipment were based on a 1957 Shell Oil Company plan that shows the locations of "existing" and "planned" USTs and dispensers. Chemicals that were unrecognizable or resembled Stoddard solvent were observed in all five of the January 1996 soil borings. However, the chromatogram pattern of gasoline was observed in soil in only one of the borings, SB-4 at a depth of 19 feet below ground surface (bgs). The gasoline appeared to be strongly aged. Stoddard solvent, TPH as gasoline, and unrecognizable compounds were detected in two grab groundwater samples from the soil borings.

On March 31, 1999, three direct-push borings were advanced at the site. Total petroleum hydrocarbons as motor oil were detected in soil at elevated concentrations at depths of 10, 15.5, and 22.5 feet bgs in boring SB-A, located adjacent to the former waste oil tank. Temporary well casings were installed in the borings and groundwater samples were collected. The groundwater gradient appeared to be toward the southeast at approximately 0.001. Underground utilities are less than 10 feet bgs and therefore, are not likely to act as preferential pathways for contaminant migration.

Three monitoring wells were installed at the site on March 26 and 27, 2003. Groundwater monitoring was conducted from May 2003 to October 2005. The highest concentration of TPH as gasoline detected in groundwater was 6,100 ppb in well MW-3. However, the hydrocarbon did not match the laboratory standard for gasoline. During the October 26, 2005 groundwater monitoring event, benzene, MTBE, and fuel oxygenates were not detected in groundwater samples from the three monitoring wells. The groundwater samples collected on October 26, 2005 were also analyzed for halogenated organic compounds using EPA Method 8260B. Tetrachloroethene (PCE) was detected in each of the three monitoring wells at the site at concentrations ranging from 7.6 to 58 ppb. The PCE appears to be from an off-site source. Trichloroethene, which may be a degradation product of the PCE, was detected at concentrations ranging from 0.62 to 5.1 ppb.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination posing a nuisance for subsurface utility work.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

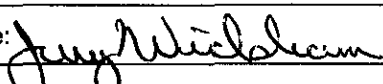
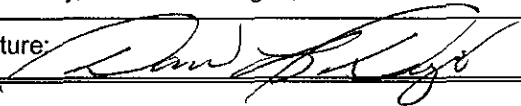
Considerations and/or Variances:

Residual TPH as motor oil remains in soil at concentrations exceeding San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (Water Board 2005) at depths of approximately 10 to 22.5 feet bgs in the area of the former waste oil tank. PCE, that appears to be from an off-site source, is present in groundwater at the site at concentrations ranging from 7.6 to 58 ppb.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: 	Date: 04/06/06
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 04/06/06

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.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 4/6/06
Signature: <i>Cherie McCaulou</i>	Date: 4/13/06

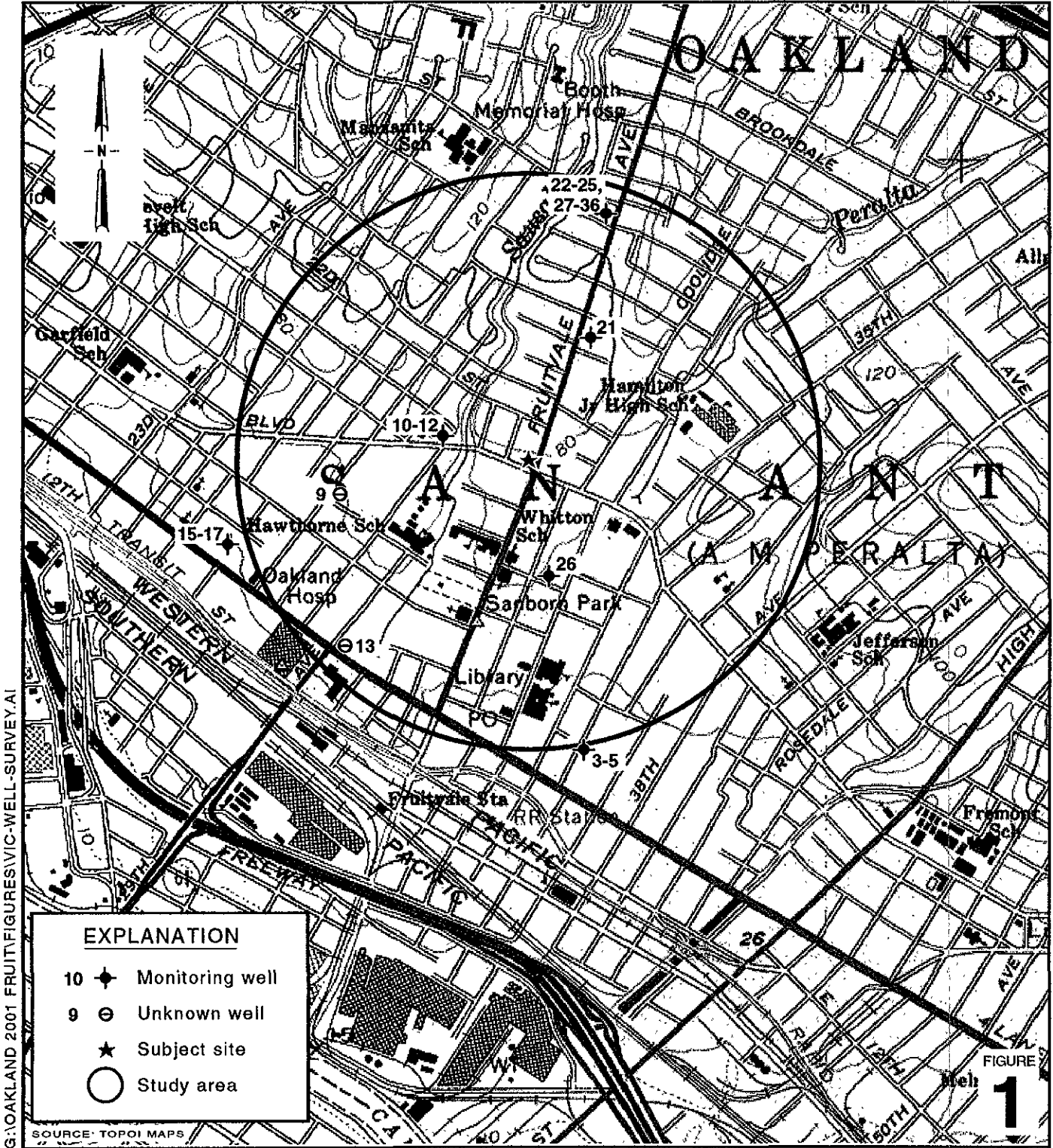
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 04/14/2006	Date of Well Decommissioning Report: 06/07/2006
All Monitoring Wells Decommissioned: Yes <input checked="" type="radio"/> No <input type="radio"/>	Number Decommissioned: 3 Number Retained: 0
Reason Wells Retained: NA	
Additional requirements for submittal of groundwater data from retained wells: None	
ACEH Concurrence - Signature: <i>Jimmy Wickham</i>	Date: 06/13/2006

Attachments:

1. Site Vicinity Map/Area Well Survey Map
2. Groundwater Contour/Chemical Concentration Map (October 26, 2005)
3. Soil Analytical Data
4. Groundwater Analytical Data
5. Boring Logs

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



G:\OAKLAND 2001 FRUITVAVESVIC-WELL-SURVEY.A1

Former Shell Service Station
 2001 Fruitvale Avenue
 Oakland, California
 Incident #97109122











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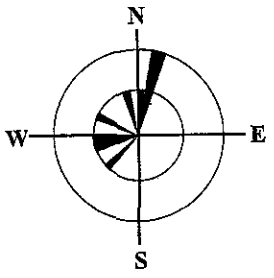
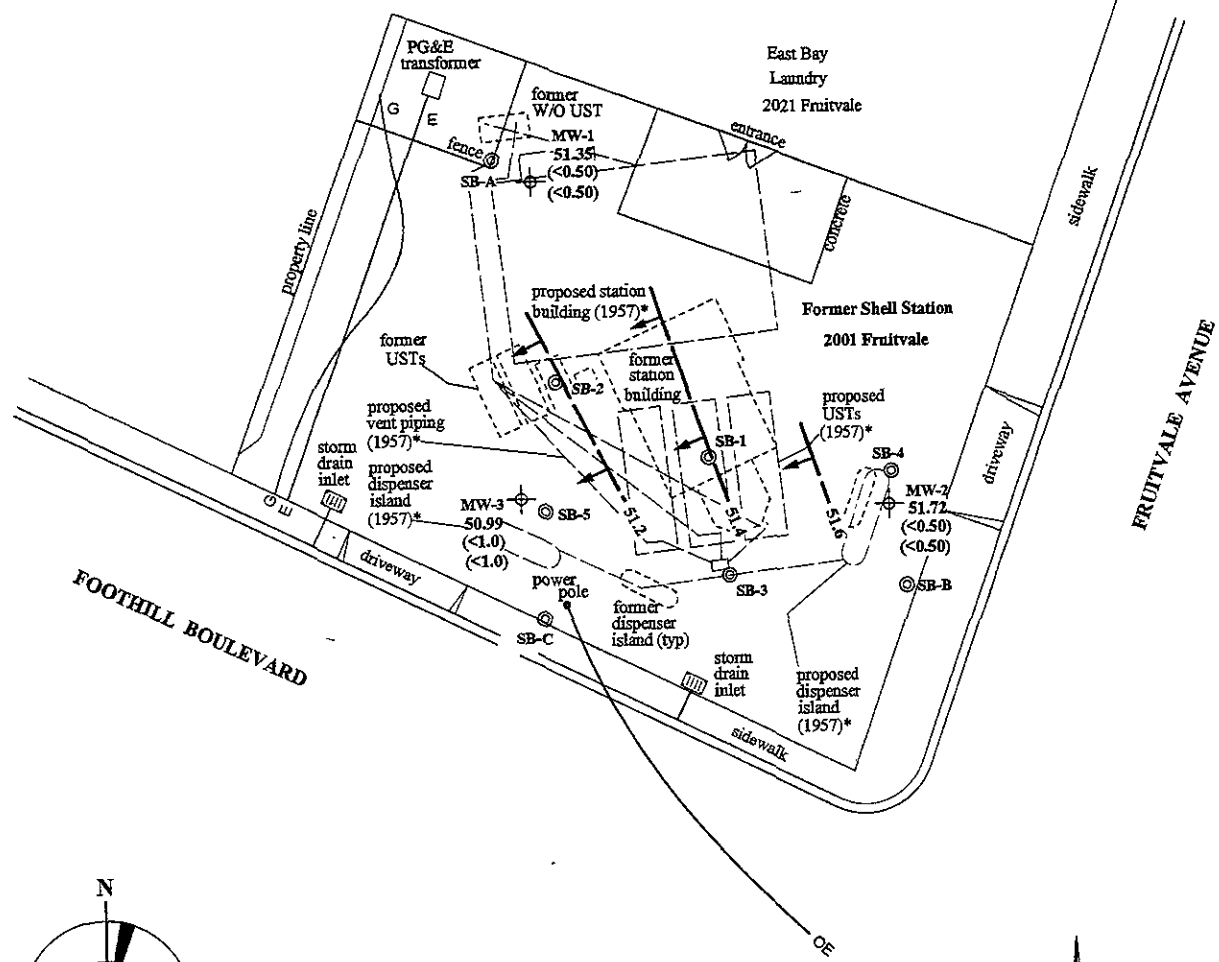
**Site Vicinity/Area Well
 Survey Map**

(1/2 Mile Radius)

ATTACHMENT 1

EXPLANATION

- MW-1  Monitoring well location (Cambria, 03/03)
- SB-A  Soil boring location (Cambria, 03/99)
- SB-1  Soil boring location (AICal, 01/96)
-  Gas line (G)
-  Storm drain line (SD)
-  Electrical line (E)
-  Overhead electrical line (OE)
- * Items marked "proposed" on 1957 site plan; undetermined if ever installed
-  Groundwater elevation contour in feet referenced to mean sea level (ft msl). Arrows indicate approximate groundwater flow direction.
- 53.65 Groundwater elevation in ft msl
- (<0.50) Benzene concentration in parts per billion (ppb)
- (<0.50) MTBE concentration in ppb
- x Not detected at reporting limit x
- Approximate hydraulic gradient = 0.01



Groundwater gradient direction
2Q03 to 4Q05

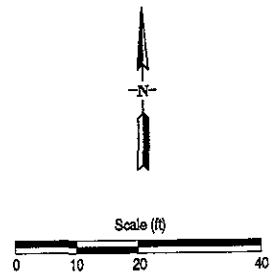


Table 1. Soil Analytical Results for Select Hydrocarbons and Oxygenates- Former Shell Service Station - 2001 Fruitvale Avenue, Oakland, California - Incident # 97109122

Sample ID	Sample Date	Depth (fbg)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl- benzene	Total Xylenes	ppm						1,2-DCA (EDC)
										MTBE	DIPE	ETBE	TAME	TBA	EDB	
MW-1-5.5	3/26/2003	5.5	<1.0 (<1)	<1.0	<50	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1-9.0	3/26/2003	9.0	<1.0 (<1)	1.1	<50	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1-14.0	3/26/2003	14.0	<1.0 (<1)	1.1	<50	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1-19.0	3/26/2003	19.0	<1.0 (<1)	<1.0	<50	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1-24.0	3/26/2003	24.0	<1.0 (<1)	1.1	<50	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.0050 (<0.005)	<0.01	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-1-29.0	3/26/2003	29.0	280 (310)	590	1,600	<6.2 (<0.5)	<6.2 (<0.5)	<6.2 (<0.5)	<6.2 (<0.5)	<6.2 (<0.5)	<1	<0.5	<0.5	<2.5	<0.5	<0.5
MW-2-5.5	3/27/2003	5.5	<1.0	1.2	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-2-9.0	3/27/2003	9.0	<1.0	1.1	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-2-14.0	3/27/2003	14.0	<1.0	1.5	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-2-19.0	3/27/2003	19.0	<1.0	2.1	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-2-24.0	3/27/2003	24.0	<1.0	2.1	---	<0.0050	<0.0050	0.0086	<0.0050	<0.0050	---	---	---	---	---	---
MW-2-29.0	3/27/2003	29.0	<1.0	1.1	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-3-5.5	3/26/2003	5.5	<1.0	1.3	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-3-9.0	3/26/2003	9.0	<1.0	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-3-14.0	3/26/2003	14.0	<1.0	5.4	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-3-19.0	3/26/2003	19.0	5.3	5.6	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-3-24.0	3/26/2003	24.0	1,600	540	---	<6.2	<6.2	<6.2	<6.2	<6.2	---	---	---	---	---	---
MW-3-29.0	3/26/2003	29.0	1,100	7.4	---	<6.2	<6.2	<6.2	<6.2	<6.2	---	---	---	---	---	---
SBA 10.0'	3/31/1999	10.0	61	1,500	11,100	<0.050	<0.050	<0.050	0.21	<0.25	---	---	---	---	---	---
SBA 15.5'	3/31/1999	15.5	13	1,100	10,100	<0.0050	<0.0050	0.019	0.19	<0.25	---	---	---	---	---	---
SBA 22.5'	3/31/1999	22.5	34	510	6,840	0.057	0.41	0.16	0.45	0.26	---	---	---	---	---	---
SBB 6.0'	3/31/1999	6.0	<1.0	2.4	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---
SBB 16.0'	3/31/1999	16.0	<1.0	1.2	---	<0.0050	<0.0050	<0.0050	<0.0050	0.042	---	---	---	---	---	---
SBB 20.5'	3/31/1999	20.5	<1.0	1.1	---	<0.0050	<0.0050	<0.0050	<0.0050	0.026	---	---	---	---	---	---
SBC 5.5'	3/31/1999	5.5	<1.0	4.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---
SBC 15.5'	3/31/1999	15.5	<1.0	2.1	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---
SBC 20.5'	3/31/1999	20.5	<1.0	2.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---

Table 1. Soil Analytical Results for Select Hydrocarbons and Oxygenates- Former Shell Service Station - 2001 Fruitvale Avenue, Oakland, California - Incident # 97109122

Sample ID	Sample Date	Depth (fbg)	ppm										1,2-DCA (EDC)			
			TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	DIPE	ETBE		TAME	TBA	EDB
SB-1-6.0-6.5	1/3/1996	6.0-6.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-1-11.0-11.5	1/3/1996	11.0-11.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-1-16.0-16.5	1/3/1996	16.0-16.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-1-21.0-21.5	1/3/1996	21.0-21.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-2-6.0-6.5	1/3/1996	6.0-6.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-2-11.0-11.5	1/3/1996	11.0-11.5	<1.0	<1.0	--	<0.005	<0.005	<0.005	0.009	--	--	--	--	--	--	--
SB-2-16.0-16.5	1/3/1996	16.0-16.5	170	62	--	<0.04	<0.04	<0.04	<0.04	--	--	--	--	--	--	--
SB-2-21.0-21.5	1/3/1996	21.0-21.5	830	410	--	<0.02	0.11	0.47	4.9	--	--	--	--	--	--	--
SB-3-6.0-6.5	1/3/1996	6.0-6.5	3.5	--	--	<0.005	<0.005	<0.005	0.010	--	--	--	--	--	--	--
SB-3-11.0-11.5	1/3/1996	11.0-11.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-3-16.0-16.5	1/3/1996	16.0-16.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-3-21.0-21.5	1/3/1996	21.0-21.5	20	--	--	<0.005	0.005	<0.005	0.057	--	--	--	--	--	--	--
SB-4-6.0-6.5	1/3/1996	6.0-6.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-4-11.0-11.5	1/3/1996	11.0-11.5	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-4-16.0-16.5	1/3/1996	16.0-16.5	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-4-19.0-19.5	1/3/1996	19.0-19.5	5.0	14	--	<0.005	<0.005	<0.005	0.014	--	--	--	--	--	--	--
SB-5-6.0-6.5	1/3/1996	6.0-6.5	<1.0	--	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-5-11.0-11.5	1/3/1996	11.0-11.5	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-5-16.0-16.5	1/3/1996	16.0-16.5	<1.0	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--
SB-5-21.0-21.5	1/3/1996	21.0-21.5	300	160	--	<0.02	0.12	0.73	0.95	--	--	--	--	--	--	--

Notes and Abbreviations:

fbg = feet below grade

ppm = parts per million

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M (results in parenthesis analyzed by EPA Method 8260B)

TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015M

TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015M

Benzene, toluene, ethylbenzene and total xylenes analyzed by EPA Method 8021B (results in parenthesis analyzed by EPA Method 8260B)

MTBE = Methyl tert-butyl ether analyzed by EPA Method 8021B (results in parenthesis analyzed by EPA Method 8260B)

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

ETBE = Ethyl tert-butyl ether analyzed by EPA Method 8260B

TAME = Tert-amyl methyl ether analyzed by EPA Method 8260B

TBA = Tert-butanol analyzed by EPA Method 8260B

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B

1,2-DCA (EDC) = 1,2-Dichloroethane analyzed by EPA Method 8260B

<X = Below laboratory detection limit of X

-- = Not analyzed

Table 2. Soil Analytical Results for SVOCs and HVOCs - Former Shell Service Station - 2001 Fruitvale Avenue, Oakland, California - Incident # 97109122

Sample ID	Sample Date	Depth (fbg)	Butyl benzyl phthalate	PCE	Phenol	Remainder of SVOCs	HVOCs
			← ppm →				
MW-1-5.5	3/26/2003	5.5	< 0.17	<0.005	<0.067	ND	ND
MW-1-9.0	3/26/2003	9.0	< 0.17	<0.005	<0.067	ND	ND
MW-1-14.0	3/26/2003	14.0	< 0.17	<0.005	<0.067	ND	ND
MW-1-19.0	3/26/2003	19.0	0.43	<0.005	<0.067	ND	ND
MW-1-24.0	3/26/2003	24.0	< 0.17	<0.005	<0.067	ND	ND
MW-1-29.0	3/26/2003	29.0	< 0.17	<0.005	<0.067	ND	ND
SBA 10.0'	3/31/1999	10.0	<2.5	0.046	3.6	ND	ND
SBA 15.5'	3/31/1999	15.5	<2.5	<0.025	<2.5	ND	ND
SBA 22.5'	3/31/1999	22.5	<0.5	<0.025	<0.5	ND	ND

Notes and Abbreviations:

fbg = feet below grade

ppm = parts per million

SVOCs = Semi-volatile organic compounds by EPA Method 8270C

HVOCs = Halogenated volatile organic compounds by EPA Method 8021B/ 8260B

<X = Below laboratory detection limit of X

ND = Not detected above laboratory reporting limit. Reporting limits vary, see analytical report.

PCE = Tetrachlorethene

TABLE 2

**SOIL ANALYTICAL DATA
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, California
SAP Code 117941
Incident #97109122**

Sample	Date	TPPH	TEPH	TRPH	B	T	E	X	MTBE	Primary Soil Type (Unified Soil Class)	Comments
Depth (ft)	Sampled	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		

Abbreviations and Notes:

NA = Not analyzed.

<x = Not detected at method detection limit of x.

TPPH = Total purgeable petroleum hydrocarbons carbon range C6 to C12 by EPA Method 8015 (Modified).

TEPH = Total extractable petroleum hydrocarbons by EPA Method 8015 (Modified).

TRPH = Total recoverable petroleum hydrocarbons by EPA Method 418.1.

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020.

MTBE = Methyl tertiary butyl ether by EPA Method 8020.

Cadmium, chromium, lead, nickel, and zinc by EPA Method 6010A.

HVOCs = Halogenated volatile organics by EPA Method 8010.

SVOCs = Semivolatile organics by EPA Method 8270.

TABLE 2

**SOIL ANALYTICAL DATA
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, California
SAP Code 117941
Incident #97109122**

Sample Depth (ft)	Date Sampled	TPPH (mg/kg)	TEPH (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Primary Soil Type (Unified Soil Class)	Comments
SBA											
10.0	31-Mar-99	61	1500	11100	<0.050	<0.050	<0.050	0.21	<0.25	CL	Chromium-49 ppm, Lead-370 ppm, Nickel-82 ppm, Zinc-87 ppm, HVOCS ND except Tetrachloroethene-0.046 ppm, SVOCs ND except Phenol-3.6 ppm
15.5	31-Mar-99	13	1700	10100	<0.0050	<0.0050	0.019	0.19	<0.025	CL	Chromium-37 ppm, Lead-410 ppm, Nickel-55 ppm, Zinc-70 ppm, HVOCS and SVOCs ND
22.5	31-Mar-99	34	510	6840	0.057	0.41	0.16	0.45	0.26	SP	Chromium-17 ppm, Lead-14 ppm, Nickel-34 ppm, Zinc-29 ppm, HVOCS and SVOCs ND
SBB											
6.0	31-Mar-99	<1.0	2.4	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	SC	
16.0	31-Mar-99	<1.0	1.2	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.042	SC	
20.5	31-Mar-99	<1.0	1.1	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.026	CL	
SBC											
5.5	31-Mar-99	<1.0	4.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	CL	
15.5	31-Mar-99	<1.0	2.1	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	CL	
20.5	31-Mar-99	<1.0	2.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	CL	

CAMBRIA

Table 3. Soil Analytical Results for LUFT 5 Metals - Former Shell Service Station - 2001 Fruitvale Avenue, Oakland, California - Incident # 97109122

Sample ID	Sample Date	Depth (fbg)	Cadmium	Chromium	Lead ppm	Nickel	Zinc
MW-1-5.5	3/26/2003	5.5	2.4	46	7.6	77	50
MW-1-9.0	3/26/2003	9.0	2.1	50	6.8	91	46
MW-1-14.0	3/26/2003	14.0	1.7	38	5.4	58	33
MW-1-19.0	3/26/2003	19.0	1.6	19	5.1	34	54
MW-1-24.0	3/26/2003	24.0	1.7	38	3.2	30	29
MW-1-29.0	3/26/2003	29.0	1.4	23	7.1	33	35
SBA 10.0'	3/31/1999	10.0	<0.50	49	370	82	87
SBA 15.5'	3/31/1999	15.5	<0.50	37	410	55	70
SBA 22.5'	3/31/1999	22.5	<0.50	17	14	34	29
SB-1-21.0-21.5	1/3/1996	21.0-21.5	--	--	8.7	--	--
SB-2-21.0-21.5	1/3/1996	21.0-21.5	--	--	7.9	--	--
SB-3-21.0-21.5	1/3/1996	21.0-21.5	--	--	3.0	--	--
SB-4-19.0-19.5	1/3/1996	19.0-19.5	--	--	8.3	--	--
SB-5-21.0-21.5	1/3/1996	21.0-21.5	--	--	3.2	--	--

Notes and Abbreviations:

fbg = feet below grade
 ppm = parts per million
 LUFT 5 Metals by method 6010B
 -- = Not analyzed

WELL CONCENTRATIONS
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	05/01/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.37	18.82	55.55
MW-1	05/13/2003	260 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	18.99	55.20
MW-1	07/01/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	21.11	53.20
MW-1	11/04/2003	86 a	170 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	23.44	50.93
MW-1	01/22/2004	<50	62 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	18.30	56.07
MW-1	04/01/2004	69 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	18.82	55.55
MW-1	01/13/2005	64 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	15.59	58.78
MW-1	07/08/2005	<50 b	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.37	20.72	53.65
MW-1	08/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.37	21.63	52.74
MW-1	10/26/2005	<50	<50 d	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	74.37	23.02	51.35
MW-2	05/01/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.25	18.48	55.77
MW-2	05/13/2003	190	120 a	<0.50	<0.50	1.3	5.2	<0.50	NA	NA	NA	NA	74.25	18.71	55.54
MW-2	07/01/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.25	20.64	53.61
MW-2	11/04/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.25	23.16	51.09
MW-2	01/22/2004	200	97 a	<0.50	<0.50	6.1	2.4	<0.50	NA	NA	NA	NA	74.25	17.94	56.31
MW-2	04/01/2004	150	100 a	<0.50	<0.50	3.9	1.9	<0.50	NA	NA	NA	NA	74.25	18.64	55.00
MW-2	01/13/2005	1600	570 a	0.71	1.1	54	24	<0.50	NA	NA	NA	NA	74.25	15.25	59.00
MW-2	07/08/2005	<50 b	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	74.25	20.38	53.87
MW-2	08/02/2005	75	<50	<0.50	<0.50	1.4	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	74.25	20.84	53.41
MW-2	10/26/2005	120 c	<50 d	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	74.25	22.53	51.72
MW-3	05/01/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.63	18.00	55.63
MW-3	05/13/2003	6,100 a	160 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	18.12	55.51
MW-3	07/01/2003	210	57 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	20.00	53.63
MW-3	11/04/2003	4,200	630 a	<5.0	<5.0	8.7	10	<5.0	NA	NA	NA	NA	73.63	23.28	50.35

WELL CONCENTRATIONS
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	01/22/2004	350 a	110 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	17.60	56.03
MW-3	04/01/2004	150	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	18.00	55.63
MW-3	01/13/2005	170 a	92 a	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	14.78	58.99
MW-3	07/08/2005	330	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	73.63	19.64	53.99
MW-3	10/26/2005	1,800	340 d,e	<1.0	<1.0	1.6	2.1	<1.0	<4.0	<4.0	<4.0	<10	73.63	22.64	50.99

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B.

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B.

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B.

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Notes:

a = Hydrocarbon does not match pattern of laboratory's standard.

b = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

c = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

d = TEPH with Silica Gel Clean-up

e = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's Diesel standard.

Site surveyed May 29, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

TABLE 3

GROUNDWATER ANALYTICAL DATA
 Former Shell Service Station
 2001 Fruitvale Avenue
 Oakland, California
 SAP Code 117941
 Incident #97109122

Sample	Date Sampled	TPPH (ug/L)	TRPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE by 8020 (ug/L)	MTBE by 8260A (ug/L)	Comments
SBA-W	31-Mar-99	1100	23000	28000	13	<2.5	5.1	52	<12	<2.00	Chromium-35 ppb, Lead-710 ppb, Nickel-250 ppb, Zinc-170 ppb, HVOCS ND except cis-1,2-Dichloroethene-4.1 ppb, Tetrachlorobenzene-15 ppb, Trichlorobenzene-4.7 ppb, SVOCs ND except Bis(2-ethylhexyl)phthalate-35 ppb, Butyl benzyl phthalate-13 ppb, 2-Methylnaphthalene-46 ppb, Naphthalene-68 ppb, Pyrene-14 ppb.
SBB-W	31-Mar-99	5100	NA	3300	8.8	15	25	24	<25	<2.00	
SBC-W	31-Mar-99	2500	NA	890	1.3	25	5.8	19	8.5	<2.00	

Abbreviations:

NA = Not analyzed.

<x = Not detected at method detection limit of x.

TPPH = Total purgeable petroleum hydrocarbons carbon range C6 to C12 by EPA Method 8015 (Modified).

TRPH = Total extractable petroleum hydrocarbons by EPA Method 8015 (Modified).

TEPH = Total recoverable petroleum hydrocarbons by EPA Method 418.1.

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020.

MTBE = Methyl tertiary butyl ether.

Cadmium, chromium, lead, nickel, and zinc by EPA Method 200.7.

HVOCS = Halogenated volatile organics by EPA Method 8010.

SVOCS = Semivolatile organics by EPA Method 8270.

Halogenated Volatile Organic Compounds by 8021B/8260B

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#051026-BA3
97109122

Received: 10/27/2005 13:15

Site: 2001 Fruitvale Ave., Oakland

Project(s)	50910B	Test(s)	8260B
Sample ID	MW-1	Lab ID	2005-10-0560-1
Sampled	10/26/2005 14:18	Extracted	11/2/2005 23:35
Matrix	Water	QC Batch#	2005/11/02-0106

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	11/02/2005 23:35	
Vinyl chloride	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Chloroethane	ND	1.0	ug/L	1.00	11/02/2005 23:35	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	11/02/2005 23:35	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Methylene chloride	ND	5.0	ug/L	1.00	11/02/2005 23:35	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Chloroform	1.1	0.50	ug/L	1.00	11/02/2005 23:35	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Carbon tetrachloride	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Trichloroethene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Bromodichloromethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Tetrachloroethene	58	0.50	ug/L	1.00	11/02/2005 23:35	
Dibromochloromethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Chlorobenzene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Bromoform	ND	2.0	ug/L	1.00	11/02/2005 23:35	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	11/02/2005 23:35	
Chloromethane	ND	1.0	ug/L	1.00	11/02/2005 23:35	

Severn Trent Laboratories, Inc.
STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/09/2005 17:44

Halogenated Volatile Organic Compounds by 8021B/8260B

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#051026-BA3
97109122

Received: 10/27/2005 13:15

Site: 2001 Fruitvale Ave., Oakland

Project(s):	80305	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2005-10-0560-2
Sampled:	10/26/2005 15:00	Extracted:	11/5/2005 10:05
Matrix:	Water	QC Batch#:	2005/11/05-1B.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	11/05/2005 10:05	
Vinyl chloride	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Chloroethane	ND	1.0	ug/L	1.00	11/05/2005 10:05	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	11/05/2005 10:05	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Methylene chloride	ND	5.0	ug/L	1.00	11/05/2005 10:05	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
cis-1,2-Dichloroethene	1.3	0.50	ug/L	1.00	11/05/2005 10:05	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Chloroform	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Carbon tetrachloride	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Trichloroethene	1.0	0.50	ug/L	1.00	11/05/2005 10:05	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Bromodichloromethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Tetrachloroethene	34	0.50	ug/L	1.00	11/05/2005 10:05	
Dibromochloromethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Chlorobenzene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Bromoform	ND	2.0	ug/L	1.00	11/05/2005 10:05	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	11/05/2005 10:05	
Chloromethane	ND	1.0	ug/L	1.00	11/05/2005 10:05	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/09/2005 17:44

Halogenated Volatile Organic Compounds by 8021B/8260B

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#051026-BA3
97109122

Received: 10/27/2005 13:15

Site: 2001 Fruitvale Ave., Oakland

Project(s):	8030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005-10-0560-3
Sampled:	10/26/2005 16:05	Extracted:	11/4/2005 17:43
Matrix:	Water	QC Batch#:	2005/11/04-01-06
Analysis Flag: N/A (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	4.0	ug/L	4.00	11/04/2005 17:43	
Vinyl chloride	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Chloroethane	ND	4.0	ug/L	4.00	11/04/2005 17:43	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	11/04/2005 17:43	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Methylene chloride	ND	20	ug/L	4.00	11/04/2005 17:43	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
cis-1,2-Dichloroethene	13	2.0	ug/L	4.00	11/04/2005 17:43	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Chloroform	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Carbon tetrachloride	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Trichloroethene	5.1	2.0	ug/L	4.00	11/04/2005 17:43	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Bromodichloromethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Tetrachloroethene	7.6	2.0	ug/L	4.00	11/04/2005 17:43	
Dibromochloromethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Chlorobenzene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
Bromoform	ND	8.0	ug/L	4.00	11/04/2005 17:43	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	11/04/2005 17:43	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	11/04/2005 17:43	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

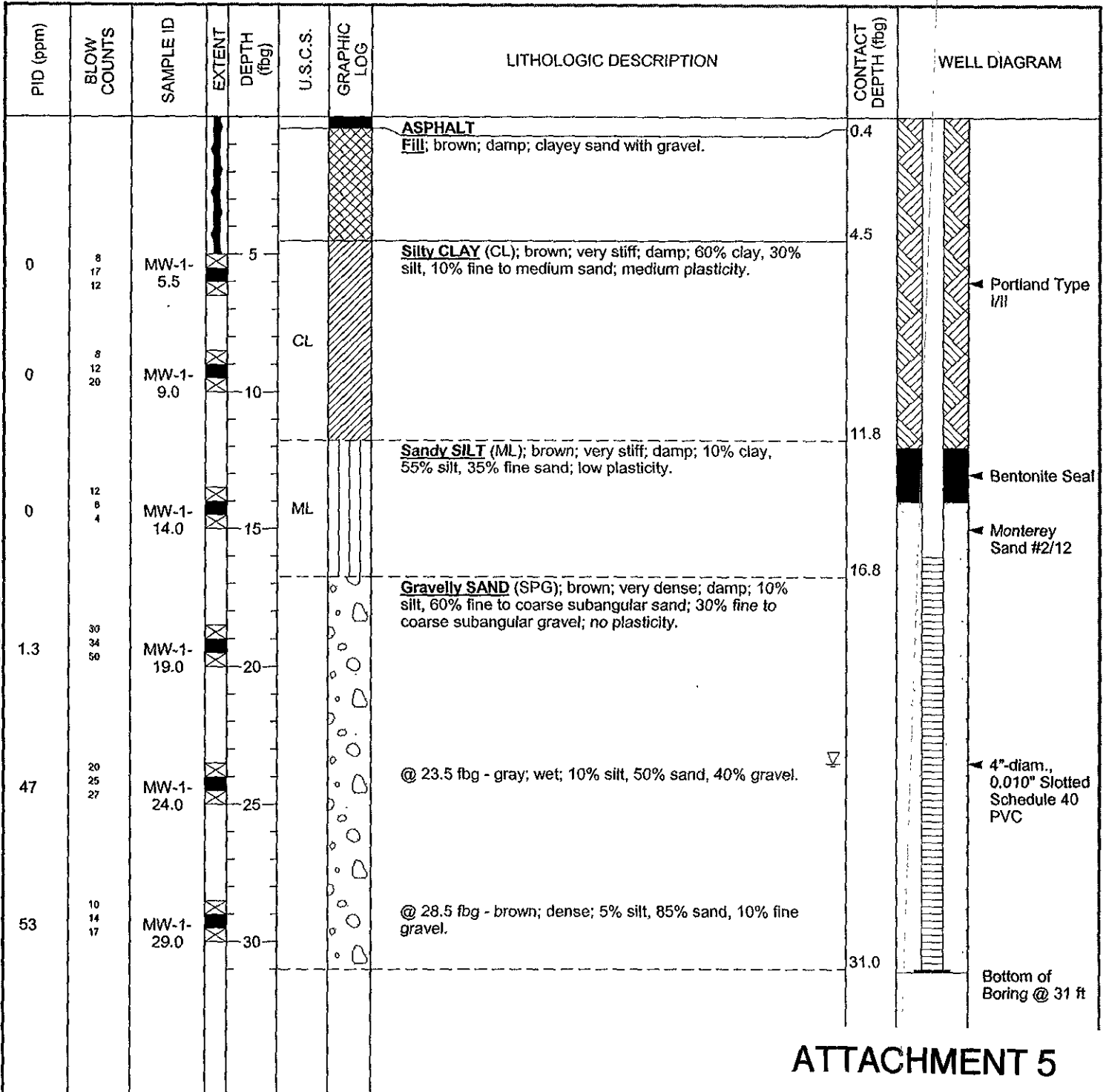
11/09/2005 17:44



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite 300
 Emeryville, CA 94608
 Telephone: (510) 420-0700
 Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-1
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	26-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	26-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVAL	16 to 31 ft bgs
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	23.5 ft (26-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'.		

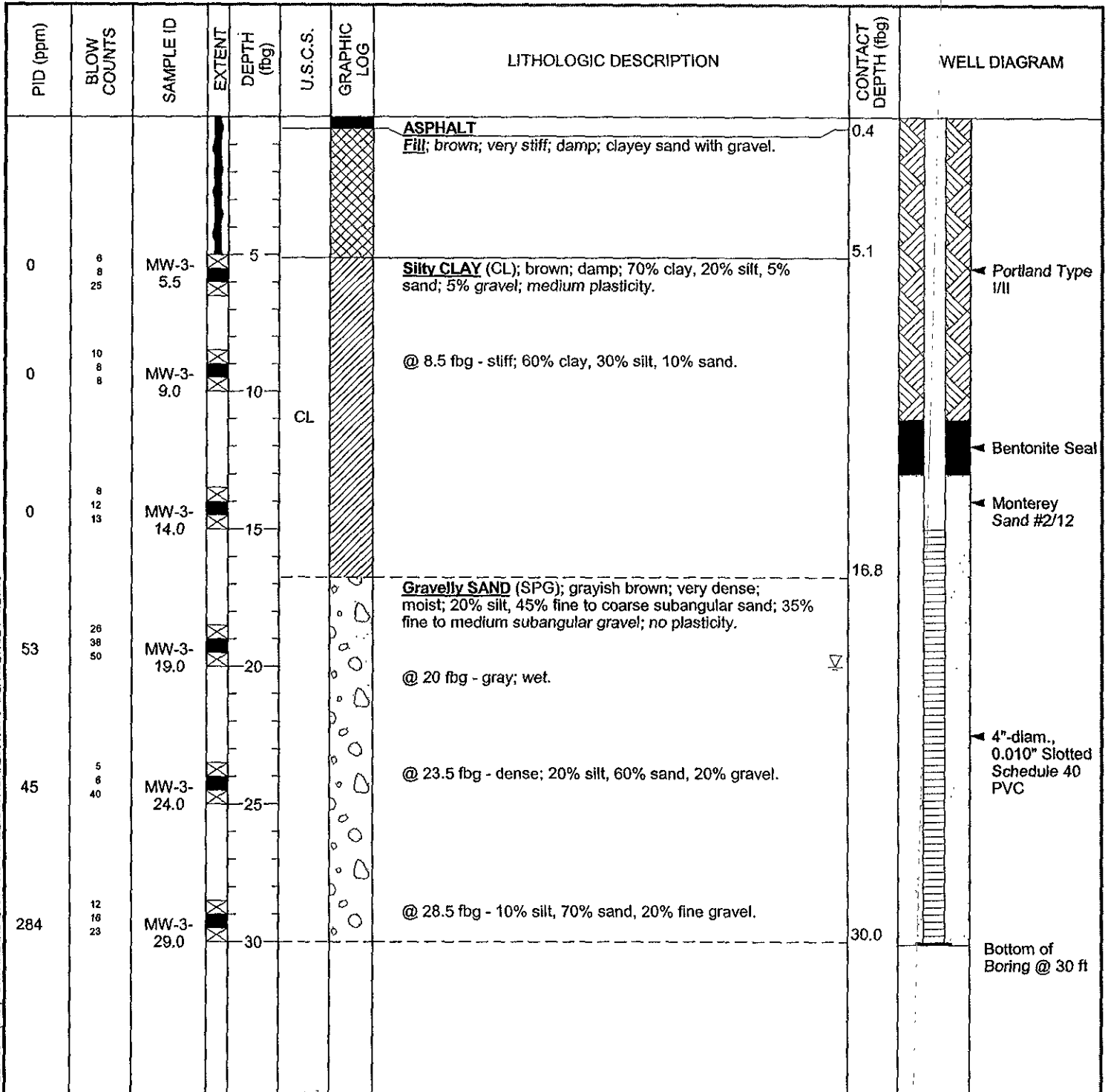


WELL LOG (PID) G:\OAKLAND 2001 FRUITVALE\GINTOAK2001.GPJ DEFAULT.GDT 5/20/03

ATTACHMENT 5



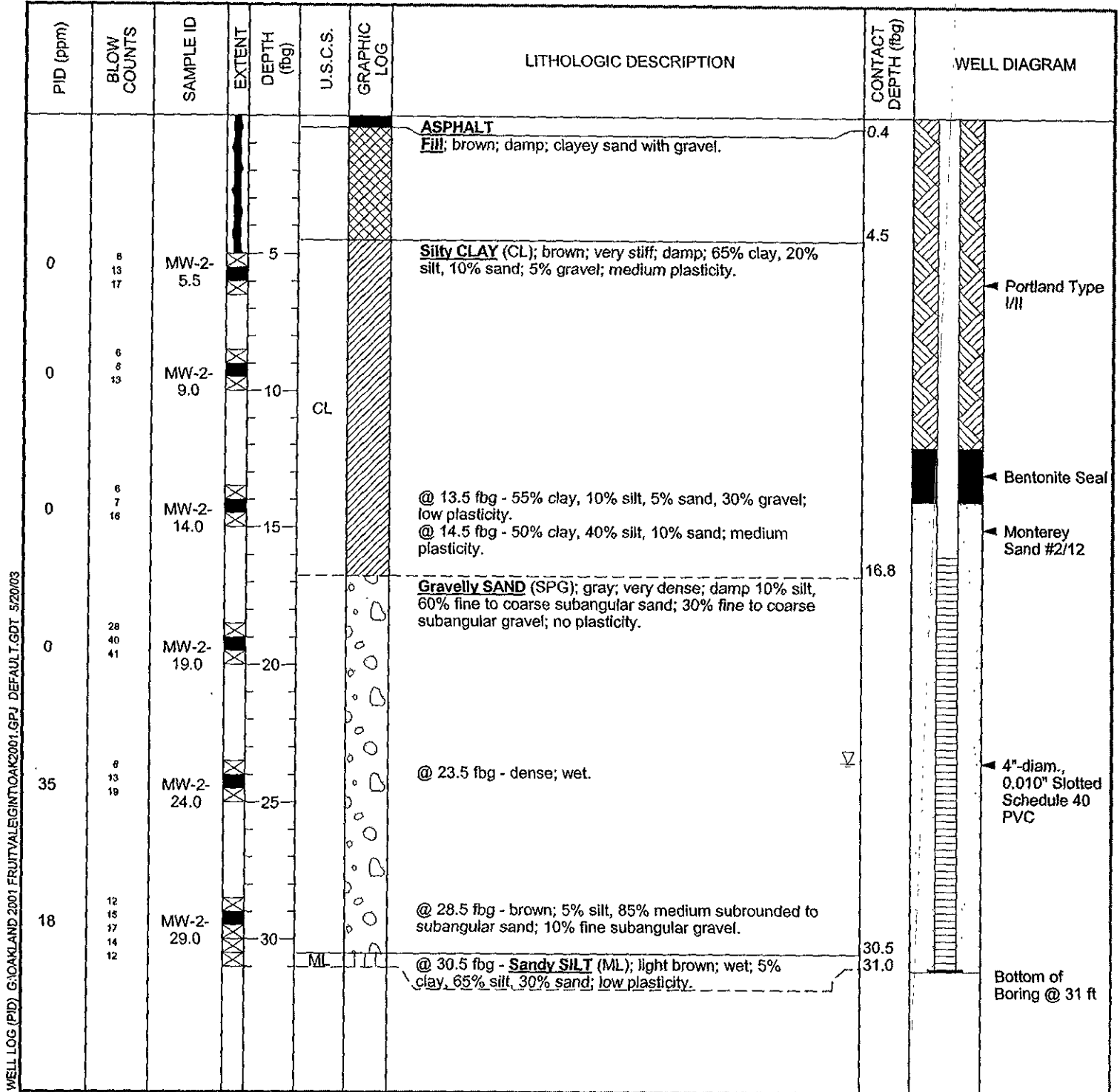
CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-3
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	26-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	26-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem-auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVAL	15 to 30 ft bgs
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	20.0 ft (26-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'.		



WELL LOG (PID): C:\OAKLAND\2001 FRUITVALE\GINTOAK2001.GPJ DEFAULT.GDT 5/20/03



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-2
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	27-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	27-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVAL	16 to 31 ft bgs
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	23.5 ft (27-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'		



WELL LOG (PID) C:\OAKLAND 2001 FRUITVALE\GINT\OAK2001.GPJ DEFAULT.GDT 5/20/03