

**ExxonMobil Environmental Services Company**  
**US Retail Projects – Western Area**  
4096 Piedmont Avenue #194  
Oakland, California 94611  
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**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**

**RECEIVED**

2:41 pm, Mar 18, 2008

Alameda County  
Environmental Health

March 6, 2008

Mr. Steven Plunkett  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

**RE: Former Exxon RAS #70238/2200 East 12<sup>th</sup> Street, Oakland California.**

Dear Mr. Plunkett:

Attached for your review and comment is a copy of the letter report entitled *Recommendation for Remediation System Shut Down*, dated March 6, 2008, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details remedial activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



**JCS**  
Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Recommendation for Remediation System Shut Down, dated March 6, 2008

cc: w/ attachment  
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Robert C. Ehlers, M.S., P.E., The Valero Companies, Environmental Liability Management

w/o attachment  
Ms. Paula Sime, Environmental Resolutions, Inc.



*Southern California  
Northern California  
Pacific Northwest  
Southwest  
Texas  
Montana*

March 6, 2008  
ERI 229311SP.L38

Ms. Jennifer C. Sedlachek  
ExxonMobil Environmental Services Company  
4096 Piedmont Avenue #194  
Oakland, California 94611

**SUBJECT** Recommendation for Remediation System Shut Down  
Former Exxon Service Station 70238  
2200 East 12th Street, Oakland, California

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) evaluated operational data for the dual-phase extraction (DPE) remediation system and groundwater monitoring and sampling data at the subject site and requests authorization from the Alameda County Health Care Services Agency, Environmental Health Services (ACEH) to discontinue operation of the DPE system.

Influent concentrations of dissolved and vapor-phase hydrocarbons have shown consistent decreasing trends and have stabilized at levels near or below laboratory reporting limits. Dissolved hydrocarbon concentrations in groundwater samples collected from the monitoring wells have declined to levels that no longer warrant remediation.

Upon receipt of approval by the ACEH, ERI anticipates shutting down the DPE remediation system during second quarter 2008.

### **DUAL-PHASE EXTRACTION SYSTEM OPERATION SUMMARY**

The DPE system began operation in January 2004, extracting groundwater and soil vapor from four DPE wells (DPE1 through DPE4). Groundwater monitoring well MW9A was retrofitted for use as a DPE well and connected to the DPE system in May 2005.

#### **Vapor-Phase System**

Extracted soil vapor was initially abated using a catalytic oxidizer; however, based on declining influent vapor concentrations, ERI removed the catalytic oxidizer in April 2007 and replaced it with two 400-pound vapor-phase granular activated carbon (GAC) vessels arranged in series for vapor abatement. Treated vapor is discharged to the atmosphere in compliance with a Bay Area Air Quality Management District (BAAQMD) Permit to Operate. On a monthly basis, ERI collects vapor samples at influent (before treatment) and effluent (after treatment) ports to calculate vapor hydrocarbon removal rates. The vapor samples are submitted to Calscience Environmental Laboratories, Inc. (Calscience), of Garden Grove, California, a California state-certified laboratory, under Chain-of-Custody protocol. The samples are analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015B or 18M.

Cumulative operation and performance data for the vapor portion of the DPE system are summarized in Table 1. Influent vapor-phase hydrocarbon concentration trends and cumulative hydrocarbon removal versus time are shown on Graphs 1 and 2.

**Environmental Resolutions, Inc.**

601 North McDowell Blvd., Petaluma, CA 94954-2312 | Tel: 707.766.2000 | Fax: 707.789.0414 | Contractor # A/C10-611383

The estimated mass of vapor-phase hydrocarbons removed by the DPE system since startup is presented in the following table.

Period	Mass of TPHg Removed (Pounds)	Mass of MTBE Removed (Pounds)	Mass of Benzene Removed (Pounds)
Through 01/18/08:	<1,302.91	<49.985	<11.600

### Liquid-Phase System

Groundwater extracted by the DPE system is processed through two sediment filters and three 1,000-pound liquid-phase GAC vessels prior to discharge to the sanitary sewer in compliance with an East Bay Municipal Utility District (EBMUD) discharge permit. On a monthly basis, ERI collects water samples at influent, intermediate, and effluent sample ports. Groundwater samples are submitted to Calscience, under Chain-of-Custody protocol, for analysis of TPHg using EPA Method 8015B; and BTEX and methyl tertiary butyl ether (MTBE) using EPA Method 8021B.

Cumulative operation and performance data for the groundwater portion of the DPE system are summarized in Table 2. Influent liquid-phase hydrocarbon concentration trends and cumulative hydrocarbon removal versus time are shown on Graphs 3 and 4.

The estimated mass of dissolved-phase hydrocarbons and volume of groundwater removed by the DPE system since startup is presented in the following table.

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
Through 01/18/08:	889,700	<1.922	<0.0159	<1.1322

### **GROUNDWATER MONITORING DATA**

Dissolved MTBE concentrations have declined over time from a maximum concentration of 150,000 micrograms per liter ( $\mu\text{g/L}$ ) in well MW9C in 1998 to the current maximum concentration of 230  $\mu\text{g/L}$  in well MW9C (November 2007). Dissolved TPHg has declined over time from a maximum concentration of 70,400  $\mu\text{g/L}$  in well MW9C in 2002 to the current maximum concentration of 170  $\mu\text{g/L}$  in well MW9C (November 2007). Dissolved benzene concentrations have declined over time from a maximum concentration of 2,000  $\mu\text{g/L}$  in well MW9B in 1999 to non-detectable levels (November 2007).

Cumulative groundwater monitoring and sampling data are summarized in Tables 3A and 3B. Hydrographs for the monitoring wells are provided as Graphs 5 through 12. Select analytical results of groundwater samples collected during the fourth quarter 2007 monitoring and sampling event are shown on Plate 1. A groundwater elevation map is included as Plate 2.

### **DISCUSSION**

Petroleum hydrocarbon concentrations in on-site and off-site groundwater monitoring wells have decreased by up to three orders of magnitude since startup of the remediation system. Dissolved-phase benzene concentrations have been reduced to levels below reporting limits in the monitoring wells. Dissolved-phase TPHg concentrations have been reduced to a current maximum concentration of 170  $\mu\text{g/L}$  in well MW9C. Dissolved-phase MTBE concentrations have been reduced to a current maximum concentration of 230  $\mu\text{g/L}$  in MW9C.

The DPE system has removed a maximum of approximately 1,303 pounds of TPHg, 50 pounds of MTBE, and 12 pounds of benzene from soil beneath the site. Influent vapor-phase TPHg, benzene, and MTBE concentrations reached asymptotic levels near or below laboratory reporting limits in January 2006, indicating vapor remediation is no longer warranted.

Influent dissolved-phase TPHg and benzene concentrations have been below laboratory reporting limits since August 2006. Influent dissolved MTBE concentrations have been below 40 µg/L since August 2006 and below 20 µg/L since February 2007. These influent concentrations and the current dissolved hydrocarbon concentrations in the groundwater monitoring wells indicate groundwater remediation is no longer warranted.

## CONCLUSIONS AND RECOMMENDATIONS

Based on this evaluation of site data, ERI concludes that:

- The DPE system has effectively reduced concentrations of TPHg, benzene, and MTBE in the soil and groundwater underlying the site. Mass removal and influent vapor and dissolved-phase hydrocarbon concentrations have reached asymptotic levels.
- Quarterly groundwater monitoring and sampling data indicate current concentrations of dissolved hydrocarbons in groundwater beneath the site do not warrant further remediation.

ERI recommends discontinuing operation of the DPE system at the subject site.

## DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Steven Plunkett  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

Mr. Chuck Headlee  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612

Mr. Robert C. Ehlers, M.S., P.E.  
The Valero Companies  
Environmental Liability Management  
685 West Third Street  
Hanford, California 93230

**LIMITATIONS**

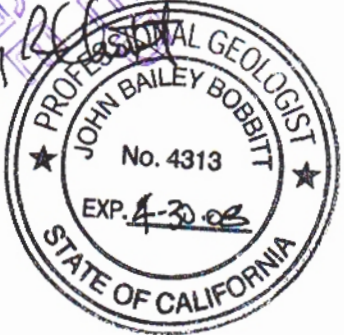
This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,  
Environmental Resolutions, Inc.

*Paula Sime*  
Paula Sime  
Project Manager

*John B. Bobbitt*  
John B. Bobbitt  
P.G. 4313



A circular professional seal for John Bailey Bobbitt, a Professional Geologist in the State of California. The seal contains the text: "PROFESSIONAL GEOLOGIST", "JOHN BAILEY BOBBITT", "No. 4313", "EXP. 4-30-08", and "STATE OF CALIFORNIA". There are two stars on either side of the name. A handwritten signature is written over the seal.

Attachments:	Table 1:	Operation and Performance Data for Dual-Phase Extraction System, Vapor-Phase
	Table 2:	Operation and Performance Data for Dual-Phase Extraction System, Liquid-Phase
	Table 3A:	Cumulative Groundwater Monitoring and Sampling Data
	Table 3B:	Additional Cumulative Groundwater Monitoring and Sampling Data
	Plate 1:	Select Analytical Results, November 27, 2007
	Plate 2:	Groundwater Elevation Map, November 27, 2007
	Graph 1:	Influent Vapor-Phase MTBE Concentrations vs. Time
	Graph 2:	Vapor-Phase TPHg Mass Removal Rate vs. Time
	Graph 3:	Influent Dissolved TPHg and MTBE Concentrations vs. Time
	Graph 4:	Dissolved TPHg and MTBE Mass Removal vs. Time
	Graph 5:	Well MW9A - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 6:	Well MW9B - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 7:	Well MW9C - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 8:	Well MW9D - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 9:	Well MW9F - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 10:	Well MW9G - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 11:	Well MW9H - Groundwater Elevation and Hydrocarbon Concentrations vs. Time
	Graph 12:	Well MW9I - Groundwater Elevation and Hydrocarbon Concentrations vs. Time







**TABLE 1**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR-PHASE**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 10)

Date	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lbs/day)
	System Hours	Total Hours	Temp (deg F)	Vacuum ("Hg)	Pressure ("H <sub>2</sub> O)	Flow (fpm)	Flow (scfm)	Sample ID	PID (ppmv)	TPHg (mg/M <sup>3</sup> )	Benzene (mg/M <sup>3</sup> )	MTBE (mg/M <sup>3</sup> )	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)		
07/08/05	3,441	6,407	75	16	0.0	1,500	100	A-INF A-EFF	32.6 0.0											
07/15/05	3,510	6,476	74	18	0.0	1,400	94	A-INF A-EFF	67.2 0.1											
07/22/05	3,675	6,641	74	15	0.0	1,400	94	A-INF A-EFF	12.0 0.0											
07/29/05	3,844	6,810	72	16	0.0	1,000	67	A-INF A-EFF	4.0 0.0											
08/05/05	3,860	6,826	72	14	0.0	1,400	93	A-INF A-EFF	4.5 0.0											
08/12/05	3,860	6,826	72	14	0.0	1,400	93	A-INF A-EFF	4.5 0.0	< 5.00 < 5.00	< 0.500 < 0.500	< 0.500 < 0.500	< 8.75	< 1,161.62	< 0.641	< 46.685	< 0.620	< 9.784	100.00	0.0041
08/19/05	System down for pump repair/replacement.																			
08/19/05	3,867	6,833	---	---	---	---	---	A-INF A-EFF	---											
09/23/05	3,882	6,848	72	17	0.0	1,400	93	A-INF A-EFF	56.0 0.0	44.8 < 5.00	1.78 < 0.500	0.902 < 0.500	< 0.19	< 1,161.81	< 0.005	< 46.691	< 0.009	< 9.793	100.00	0.0042
09/30/05	4,048	7,014	72	12	0.0	1,400	93	A-INF A-EFF	5.1 0.0											
10/07/05	4,217	7,183	72	16	0.0	1,200	80	A-INF A-EFF	1.0 0.0	< 5.00 ---	< 0.500 ---	< 0.500 ---	< 2.70	< 1,164.51	< 0.076	< 46.767	< 0.124	< 9.916	100.00	
10/14/05	4,386	7,352	72	16	0.0	1,200	80	A-INF A-EFF	3.0 0.0											
10/21/05	4,400	7,366	72	18	0.0	1,200	80	A-INF A-EFF	0.0 0.0	< 5.00 < 5.00	< 0.500 < 0.500	< 0.500 < 0.500	< 0.27	< 1,164.78	< 0.027	< 46.794	< 0.027	< 9.943	100.00	0.0039
10/28/05	4,564	7,530	72	12	0.0	1,400	93	A-INF A-EFF	0.0 0.0											
11/04/05	4,735	7,701	72	16	0.0	1,400	93	A-INF A-EFF	4.0 0.0	7.48 < 5.00	< 0.500 < 0.500	< 0.500 < 0.500	< 0.68	< 1,165.46	< 0.054	< 46.848	< 0.054	< 9.998	100.00	0.0039
11/11/05	4,905	7,871	72	14	0.0	1,500	100	A-INF A-EFF	14.0 0.0											
11/18/05	5,068	8,034	72	18	0.0	1,400	93	A-INF A-EFF	26.0 0.0											
11/21/05	5,110	8,076	72	19	0.0	1,200	80	A-INF A-EFF	320.0 0.0											
12/05/05	5,371	8,337	72	16	0.0	1,500	100	A-INF A-EFF	28.0 0.0	30.0 < 5.00	1.77 < 0.500	7.62 < 0.500	< 4.30	< 1,169.76	< 0.932	< 47.780	< 0.261	< 10.258	100.00	0.0022
12/09/05	System shut down pending catalytic oxidizer repair.																			
12/09/05	5,540	8,506	72	18	0.0	1,300	87	A-INF A-EFF	100.0 0.0											
01/27/06	Catalytic oxidizer repair complete. Restart system and discharge to holding tank. Shut down system prior to departure.																			
01/27/06	5,546	8,512	72	18	0.0	1,400	93	A-INF A-EFF	0.0 0.0	< 5.00 < 5.00	< 0.500 < 0.500	< 0.500 < 0.500	< 1.11	< 1,170.87	< 0.256	< 48.037	< 0.072	< 10.330	100.00	0.0043
02/24/06	Restart system, resample, and discharge to holding tank. Shut down system prior to departure.																			
02/24/06	5,548	8,514	72	20	1.0	1,400	93	A-INF A-EFF	0.0 0.0	< 5.00 < 5.00	< 0.500 < 0.500	< 0.500 < 0.500	< 0.00	< 1,170.87	< 0.000	< 48.037	< 0.000	< 10.330	100.00	0.0042









**TABLE 1  
OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR-PHASE**

Former Exxon Service Station 70238

2200 East 12th Street

Oakland, California

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Date	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lbs/day)
	System Hours	Total Hours	Temp (deg F)	Vacuum ("Hg)	Pressure ("H <sub>2</sub> O)	Flow (fpm)	Flow (scfm)	Sample ID	PID (ppmv)	TPHg (mg/M <sup>3</sup> )	Benzene (mg/M <sup>3</sup> )	MTBE (mg/M <sup>3</sup> )	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)		
08/23/07	System running on arrival and departure.																			100.00
	13,506	16,472	84	13	0.0	900	61.4	A-INF	53.0											
								A-INT	0.0											
								A-EFF	0.0											
08/31/07	System running on arrival and departure.																		100.00	
	13,671	16,637	90	14	0.0	900	62.2	A-INF	42.0											
								A-INT	0.0											
								A-EFF	0.0											
09/07/07	System running on arrival and departure.																		100.00	
	13,882	16,848	80	13	0.0	1,000	67.7	A-INF	1.0											
								A-INT	0.0											
								A-EFF	0.0											
09/14/07	System running on arrival and departure.																		100.00	
	14,030	16,996	80	12	0.0	900	60.9	A-INF	0.0	< 11	0.0074	0.12	< 7.25	< 1,297.11	< 0.074	< 49.721	< 0.060	< 11.598	0.0017	
								A-INT	0.0	< 11	0.0050	0.17								
								A-EFF	0.0	< 11	0.0045	0.047								
09/21/07	System running on arrival and departure.																		100.00	
	14,198	17,164	80	12	0.0	1,000	67.7	A-INF	0.0											
								A-INT	0.0											
								A-EFF	0.0											
09/28/07	System down on arrival and running on departure.																		100.00	
	14,329	17,295	80	14	0.0	900	60.9	A-INF	0.0											
								A-INT	0.0											
								A-EFF	0.0											
10/02/07	System down on arrival and running on departure.																		100.00	
	14,348	17,314	70	20	0.0	1,000	66.3	A-INF	0.0											
								A-INT	0.0											
								A-EFF	0.0											
10/12/07	System running on arrival and departure.																		100.00	
	14,587	17,553	70	21	0.0	900	59.7	A-INF	0.0	< 11	0.0075	1.3b/0.67 c	< 1.38	< 1,298.50	< 0.089	< 49.810	< 0.001	< 11.598	0.00003	
								A-INT	0.0	a	a	a								
								A-EFF	0.0	< 11	0.0062	0.016								
10/16/07	System running on arrival and departure.																		100.00	
	14,685	17,651	70	21	0.0	700	46.4	A-INF	0.0											
								A-INT	0.0											
								A-EFF	0.0											
10/21/07	System running on arrival and departure.																		100.00	
	14,828	17,794	70	21	0.0	700	46.4	A-INF	0.0											
								A-INT	0.0											
								A-EFF	0.0											
11/02/07	System running on arrival and departure.																		100.00	
	15,090	18,056	70	19	0.0	800	53.0	A-INF	0.0											
								A-INT	7.0											
								A-EFF	0.0											
11/09/07	System running on arrival and departure.																		100.00	
	15,240	18,206	70	19	0.0	800	53.0	A-INF	0.0	< 11	0.0018	0.18	< 1.51	< 1,300.01	< 0.102	< 49.912	< 0.001	< 11.599	0.0000	
								A-INT	0.0	< 11	< 0.0016	0.16								
								A-EFF	0.0	< 11	0.0024	0.027								



**TABLE 1**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR-PHASE**

Former Exxon Service Station 70238

2200 East 12th Street

Oakland, California

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Notes:

A-INF	=	Influent vapor sample.
A-EFF	=	Effluent vapor sample.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using Stet T0-3(M); on and prior to 08/23/07, analyzed using EPA Method 8015B or 18M.
Benzene	=	Benzene analyzed using EPA Method T0-15M; on and prior to 8/23/07, analyzed using EPA Method 8015Bor 18M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method T0-15M; on and prior to 8/23/07, analyzed using EPA Method 8015Bor 18M.
Temp	=	Temperature of vapor stream.
deg F	=	Degrees Fahrenheit.
"Hg	=	Inches of mercury vacuum.
"H2O	=	Inches of water column.
PID	=	Photo-ionization detector measurement.
acfm	=	Actual cubic feet per minute.
scfm	=	Standard cubic feet per minute.
ppmv	=	Parts per million by volume.
fpm	=	Feet per minute.
mg/M <sup>3</sup>	=	Milligrams per cubic meter.
lbs	=	Pounds.
lbs/day	=	Pounds per day.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not calculated/Not applicable.
a	=	Tedlar bag was received flat by the laboratory; analysis not performed.
b	=	Concentration exceeded calibration range of instrument.
c	=	Re-analysis for dilution performed past EPA recommended holding time.
d	=	Sample analyzed past EPA recommended holding time.





















**TABLE 2**  
**OPERATION AND PERFORMANCE DATA**  
**FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
(Page 9 of 10)

Date	System Hours (hours)	Eff. Totalizer Reading (gal)	Average Flow rate (gpm)	Total Flow per period (gal)	Sample ID	Laboratory Analytical Results						TPHg Removed		Benzene Removed		MTBE Removed		
						TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Per Period (lbs)	Cumulative (lbs)	Per Period (lbs)	Cumulative (lbs)	Per Period (lbs)	Cumulative (lbs)
11/30/07	System running on arrival and departure. 15,765      831,910      0.66      8,520																	
12/07/07	System running on arrival and departure. 15,930      838,860      0.69      6,950				W-INF	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	5.3	< 0.012	< 1.901	< 0.00012	< 0.0157	< 0.0013	< 1.1301
					W-INT1	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						
					W-INT2	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						
					W-PSP-1	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						
12/14/07	System running on arrival and departure. 16,102      847,170      0.82      8,310																	
12/21/07	System running on arrival and departure. 16,267      855,650      0.84      8,480																	
12/27/07	System running on arrival and departure. 16,413      862,720      0.82      7,070																	
01/04/08	System running on arrival and departure. 16,602      872,050      0.81      9,330																	
01/07/08	System running on arrival and departure. 16,679      876,490      1.03      4,440																	
01/18/08	System running on arrival and departure. 16,942      889,700      0.83      13,210				W-INF	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	< 0.021	< 1.922	< 0.00021	< 0.0159	< 0.0022	< 1.1322
					W-INT1	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						
					W-INT2	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						
					W-PSP-1	< 50	---	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0						

**TABLE 2**  
**OPERATION AND PERFORMANCE DATA**  
**FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**

Former Exxon Service Station 70238

2200 East 12th Street

Oakland, California

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Notes:

W-INF	=	Water influent combined.
W-INT1	=	Water intermediate after first carbon vessel.
W-INT2	=	Water intermediate after second carbon vessel.
PSP-1	=	Water effluent.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M/8015B or LUFT GCMS.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B or 624.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B or 624.
gal	=	Gallons.
gpm	=	Gallons per minute.
µg/L	=	Micrograms per liter.
lbs	=	Pounds.
---	=	Not sampled/Not analyzed/Not measured/Not calculated/Not applicable.
<	=	Less than the laboratory method reporting limit.
a	=	Diesel-range organic compounds reported in sample; however, chromatogram pattern is not representative of diesel fuel.
b	=	Diesel result was within the range diesel fuel. There was insufficient area for pattern match.
c	=	Sample mislabeled as W-EFF on the Chain-of-Custody and laboratory report.
d	=	Sample inadvertently misdated by laboratory. Correct sampling date is shown.

\* If value is below laboratory reporting limit, then detection limit value is used for removal calculations.

\*\* Indicates the concentrations of identifiable analytes are below the laboratory reporting limit unless otherwise noted.

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
(Page 1 of 13)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg ( $\mu\text{g/L}$ )	MTBE 8021B ( $\mu\text{g/L}$ )	MTBE 8260B ( $\mu\text{g/L}$ )	B ( $\mu\text{g/L}$ )	T ( $\mu\text{g/L}$ )	E ( $\mu\text{g/L}$ )	X ( $\mu\text{g/L}$ )
MW9A	06/13/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9A	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9A	10/13/89	100.07 l	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9A	10/19/90	100.07 l	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/05/92	100.07 l	6.93	93.14	---	<50	---	---	1.1	1.8	0.6	1.3
MW9A	05/05/92	100.07 l	6.95	93.12	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	09/14/92	100.07 l	7.65	92.42	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	11/16/92	100.07 l	7.35	92.72	---	<50	---	---	1.1	<0.5	<0.5	<0.5
MW9A	02/03/93	100.07 l	7.85	92.22	---	140	---	---	17	19	1.6	20
MW9A	05/18/93	100.07 l	6.95	93.12	---	<50	---	---	0.8	<0.5	1.3	7
MW9A	08/26/93	100.07 l	7.14	92.93	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	11/04/93	100.07 l	7.23	92.84	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/04/94	100.07 l	6.70	93.37	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	05/31/94	100.07 l	6.74	93.33	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/26/94	11.46	7.06	4.40	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	05/15/95	11.46	6.32	5.14	---	<50	---	---	0.52	0.67	<0.5	<0.5
MW9A	11/02/95	11.46	7.16	4.30	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/26/96	11.46	6.33	5.13	NLPH	---	---	---	---	---	---	---
MW9A	08/22/96	11.46	7.02	4.44	NLPH	---	---	---	---	---	---	---
MW9A	02/24/97	11.46	---	---	---	---	---	---	---	---	---	---
MW9A	03/16/98	11.46	6.14	5.32	NLPH	<200	40,000	---	7.9	<2.0	<2.0	<2.0
MW9A	04/21/98	11.46	6.29	5.17	NLPH	<50	53,000	---	3.8	<0.5	<0.5	<0.5
MW9A	07/22/98	14.53	6.58	7.95	NLPH	<250	18,000	---	<2.5	<2.5	<2.5	<2.5
MW9A	12/22/98	14.53	6.47	8.06	NLPH	<50	5,200	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/26/99	14.53	6.38	8.15	NLPH	<100	10,000	---	<1.0	<1.0	<1.0	<1.0
MW9A	05/27/99 a	14.53	6.56	7.97	NLPH	<5,000	15,300	---	<50	<50	<50	<50
MW9A	08/03/99	14.53	9.39	5.14	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9A	12/03/99	14.53	6.52	8.01	NLPH	<50	1,400	---	<0.5	<0.5	<0.5	0.67 b
MW9A	02/29/00	14.53	5.31	9.22	NLPH	<50	20,000	---	1.2	<0.5	<0.5	<0.5
MW9A	05/18/00	14.53	6.31	8.22	NLPH	<50	14,000	11,000	<0.5	<0.5	<0.5	<0.5
MW9A	07/24/00	14.53	6.54	7.99	NLPH	<50	7,400	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/09/00	14.53	6.00	8.53	NLPH	<50	2,300	---	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/01	14.53	6.34	8.19	NLPH	<50	3,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/10/01	14.53	9.31	5.22	NLPH	<50	11,000	---	<0.5	<0.5	<0.5	<0.5
MW9A	07/12/01	14.53	---	---	NLPH	<50	3,600	---	<0.5	<0.5	<0.5	<0.5
MW9A	08/17/01 c	14.53	6.61	7.92	---	---	---	---	---	---	---	---
MW9A	10/11/01	14.53	7.03	7.50	NLPH	<50	1,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/01	14.51	Well surveyed in compliance with AB2886 requirements.									
MW9A	01/11/02	14.51	5.93	8.58	NLPH	2,090e	31,000e	---	18.6e	<0.50	<0.50	<0.50
MW9A	04/12/02	14.51	6.41	8.10	NLPH	34,300	32,200	---	<5.00	<5.00	<5.00	<5.00
MW9A	07/12/02	14.51	6.64	7.87	NLPH	6,760	8,070	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/02	14.51	6.76	7.75	NLPH	2,420	2,860	3,040	<0.5	<0.5	<0.5	<0.5

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9A	01/10/03	14.51	5.90	8.61	NLPH	38,800	51,900	---	103	15.0	<5.0	13.0
MW9A	04/09/03	14.51	6.38	8.13	NLPH	34,200	38,600	---	14.0	<5.0	<5.0	<5.0
MW9A	07/22/03	14.51	6.56	7.95	NLPH	20,200	19,500	---	0.50	<0.5	<0.5	<0.5
MW9A	10/01/03	14.51	6.72	7.79	NLPH	9,460	---	7,620	0.70	<0.5	<0.5	<0.5
MW9A	01/06/04	14.51	5.89	8.62	NLPH	8,540	11,600	---	<0.50	<0.5	<0.5	<0.5
MW9A	06/07/04	14.51	6.80	7.71	NLPH	3,470	---	5,600	<0.50	<0.5	<0.5	<0.5
MW9A	08/30/04 d	14.51	---	---	---	---	---	---	---	---	---	---
MW9A	12/13/04	14.51	5.99	8.52	NLPH	1,130	---	1,360	<0.50	<0.5	<0.5	<0.5
MW9A	03/14/05	14.51	6.03	8.48	NLPH	2,150	---	2,560	0.80	<0.5	<0.5	<0.5
MW9A	06/08/05	14.51	14.33	0.18	NLPH	1,610	---	2,040	<0.50	<0.5	<0.5	<0.5
MW9A	09/01/05	14.51	6.50	8.01	NLPH	1,020	---	1,320	<0.50	<0.50	<0.50	<0.50
MW9A	12/09/05 i	14.51	16.50	-1.99	NLPH	1,140	---	801	1.16	<0.50	<0.50	<0.50
MW9A	12/30/05	14.51	5.21	9.30	NLPH	---	---	---	---	---	---	---
MW9A	03/07/06	14.51	16.01	-1.50	NLPH	400	---	560	<2.5	<2.5	<2.5	<2.5
MW9A	06/26/06	14.51	6.10	8.41	NLPH	390	---	430	<2.5	<2.5	<2.5	<2.5
MW9A	09/25/06	14.51	6.54	7.97	NLPH	150	---	172	<0.50	<0.50	<0.50	<0.50
MW9A	12/15/06	14.51	16.21	-1.70	NLPH	250k	---	190	<2.5	<2.5	<2.5	<2.5
MW9A	03/29/07	14.51	7.95	6.56	NLPH	173	---	144	<0.50	<0.50	<0.50	0.54
MW9A	06/12/07	14.51	6.49	8.02	NLPH	69k	---	77	<0.50	<0.50	<0.50	<0.50
MW9A	08/23/07	14.51	6.48	8.03	NLPH	<50	---	46	<0.50	<0.50	<0.50	<0.50
<b>MW9A</b>	<b>11/27/07</b>	<b>14.51</b>	<b>6.61</b>	<b>7.90</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>36</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9B	06/13/88	---	---	---	---	---	---	---	350	7.8	66	160
MW9B	10/24/88	---	---	---	---	---	---	---	84	<1.0	3.1	3.2
MW9B	10/13/89	98.41 l	---	---	---	---	---	---	4.1	<0.5	<0.5	<3.0
MW9B	10/19/90	98.41 l	---	---	---	62	---	---	27	<0.5	2.3	<0.5
MW9B	02/05/92	98.41 l	5.95	92.46	---	60	---	---	14	<0.5	2.9	2.5
MW9B	05/05/92	98.41 l	5.92	92.49	---	620	---	---	180	2.4	8.4	2.2
MW9B	09/14/92	98.41 l	6.60	91.81	---	110	---	---	9.6	<0.5	<0.5	<0.5
MW9B	11/16/92	98.41 l	6.35	92.06	---	200	---	---	33	<0.5	4.2	1.4
MW9B	02/03/93	98.41 l	6.50	91.91	---	12,000	---	---	320	13	35	110
MW9B	05/18/93	98.41 l	6.42	91.99	---	180	---	---	1.1	<0.5	2.6	5.9
MW9B	08/26/93	98.41 l	6.28	92.13	---	180	---	---	36	<0.5	3	1.7
MW9B	11/04/93	98.41 l	6.23	92.18	---	98	---	---	13	<0.5	1.4	<0.5
MW9B	02/04/94	98.41 l	5.92	92.49	---	790	---	---	170	1.3	12	0.8
MW9B	05/31/94	98.41 l	9.22	89.19	---	1,000	---	---	150	2.5	8.0	2.1
MW9B	10/26/94	9.80	6.04	3.76	---	84	---	---	2.8	0.72	<0.5	<0.5
MW9B	05/15/95	9.80	5.34	4.46	---	2,800	---	---	420	25	27	6.7
MW9B	11/02/95	9.80	6.14	3.66	NLPH	130	<10	---	3.3	<0.5	<0.5	<0.5
MW9B	04/26/96	9.80	5.66	4.14	NLPH	270	70	---	130	2.8	6.7	<3
MW9B	08/22/96	9.80	6.16	3.64	NLPH	210	31	---	5.7	6.8	1.1	9.2

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9B	02/24/97	9.80	5.58	4.22	NLPH	1,400	1,300	---	76	1.4	4.1	1.2
MW9B	03/16/98	12.83	5.32	7.51	NLPH	860	1,500	---	140	2.0	1.1	<2.0
MW9B	04/21/98	12.83	5.49	7.34	NLPH	1,800	18,000	---	300	<5.0	7.9	<5.0
MW9B	07/22/98	12.83	5.79	7.04	NLPH	<500	26,000	---	13	<5.0	<5.0	<5.0
MW9B	12/22/98	12.83	5.69	7.14	NLPH	700	21,000	---	110	3.1	9.1	14
MW9B	02/26/99	12.83	5.10	7.73	NLPH	8,800	8,000	---	2,000	<25	52	38
MW9B	05/18/99	12.83	5.65	7.18	NLPH	<10,000	42,100	---	158	<100	<100	<100
MW9B	08/03/99	12.83	6.24	6.59	NLPH	960	24,900	---	<5.0	<5.0	<5.0	<5.0
MW9B	12/03/99	12.83	5.66	7.17	NLPH	<50	1,000	---	<0.5	<0.5	<0.5	<0.5
MW9B	02/29/00	12.83	4.61	8.22	NLPH	3,100	25,000	---	900	7	23	7.1
MW9B	05/18/00	12.83	5.54	7.29	NLPH	780	34,000	26,000	150	<2.5	4.5	<2.5
MW9B	07/24/00	12.83	8.75	4.08	NLPH	<250	39,000	---	8	<2.5	<2.5	<2.5
MW9B	10/09/00	12.83	4.84	7.99	NLPH	<1,200	30,000	---	1.7	<0.5	<0.5	<0.5
MW9B	01/10/01	12.83	5.56	7.27	NLPH	<250	32,000	---	5.3	<0.5	<0.5	<0.5
MW9B	04/10/01	12.83	5.40	7.43	NLPH	360	27,000	---	69.0	<2.5	22.0	29.8
MW9B	07/12/01	12.83	---	---	NLPH	<250	41,000	---	<2.5	<2.5	<2.5	<2.5
MW9B	08/17/01 c	12.83	5.83	7.00	---	---	---	---	---	---	---	---
MW9B	10/11/01	12.83	8.70	4.13	NLPH	<250	24,000	---	<2.5	<2.5	<2.5	<2.5
MW9B	11/01/01	12.84	Well surveyed in compliance with AB2886 requirements.									
MW9B	01/11/02	12.84	5.16	7.68	NLPH	9,170e	14,600e	---	66.0e	<10.0	54.0	<10.0
MW9B	04/12/02	12.84	5.57	7.27	NLPH	29,600	28,600	---	12.0	<5.00	<5.00	<5.00
MW9B	07/12/02	12.84	5.81	7.03	NLPH	20,200	27,700	---	<10.0	14.0	<10.0	16.0
MW9B	10/11/02 f	12.84	5.91	6.93	NLPH	18,900	24,300	28,200	2.3	<0.5	<0.5	<0.5
MW9B	01/10/03	12.84	5.09	7.75	NLPH	14,900	18,600	---	118	1.0	6.5	3.6
MW9B	04/09/03	12.84	5.51	7.33	NLPH	21,800	24,900	---	51.0	<5.0	<5.0	<5.0
MW9B	07/22/03	12.84	6.09	6.75	NLPH	33,500	36,900	---	<0.50	<0.5	<0.5	<0.5
MW9B	10/01/03	12.84	6.16	6.68	NLPH	25,500	---	19,100	1.10	<0.5	<0.5	<0.5
MW9B	01/06/04	12.84	5.14	7.70	NLPH	10,400	---	15,700	16.9	1.8	18.6	1.7
MW9B	06/07/04	12.84	9.47	3.37	NLPH	3,910	---	1,960	<0.50	<0.5	<0.5	<0.5
MW9B	08/30/04	12.84	h	h	h	954h	---	925h	<0.50h	<0.5h	<0.5	<0.5h
MW9B	12/13/04	12.84	4.96	7.88	NLPH	233	---	140	0.90	<0.5	<0.5	<0.5
MW9B	03/14/05	12.84	5.52	7.32	NLPH	523	---	504	<0.50	<0.5	<0.5	<0.5
MW9B	06/08/05	12.84	6.70	6.14	NLPH	114	---	130	<0.50	<0.5	<0.5	<0.5
MW9B	09/01/05	12.84	5.92	6.92	NLPH	90.5	---	82.6	0.55	<0.50	<0.50	<0.50
MW9B	12/09/05	12.84	8.46	4.38	NLPH	207	---	149	<0.50	<0.50	<0.50	<0.50
MW9B	12/30/05	12.84	4.59	8.25	NLPH	---	---	---	---	---	---	---
MW9B	03/07/06	12.84	6.41	6.43	NLPH	98	---	64	<0.50	<0.50	<0.50	<0.50
MW9B	06/26/06	12.84	5.71	7.13	NLPH	130	---	39	0.63	<0.50	0.53	0.53
MW9B	09/25/06	12.84	6.35	6.49	NLPH	<50.0	---	7.40	<0.50	<0.50	<0.50	<0.50
MW9B	12/15/06	12.84	6.77	6.07	NLPH	<50	---	11	<0.50	<0.50	<0.50	<0.50
MW9B	03/29/07	12.84	6.40	6.44	NLPH	197	---	225	<0.50	<0.50	<0.50	0.59
MW9B	06/12/07	12.84	6.05	6.79	NLPH	53k	---	52	<0.50	<0.50	<0.50	<0.50

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9B	08/23/07	12.84	7.17	5.67	NLPH	140k	---	230	<0.50	<0.50	<0.50	<0.50
<b>MW9B</b>	<b>11/27/07</b>	<b>12.84</b>	<b>6.63</b>	<b>6.21</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>36</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9C	06/13/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9C	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9C	10/13/89	99.73 l	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9C	10/19/90	99.73 l	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/05/92	99.73 l	6.44	93.29	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/05/92	99.73 l	6.50	93.23	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	09/14/92	99.73 l	7.00	92.73	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/16/92	99.73 l	6.72	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/03/93	99.73 l	5.75	93.98	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/18/93	99.73 l	6.72	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	08/26/93	99.73 l	6.84	92.89	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/04/93	99.73 l	6.90	92.83	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/04/94	99.73 l	6.28	93.45	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/31/94	99.73 l	6.42	93.31	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	10/26/94	11.14	6.80	4.34	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/15/95	11.14	5.72	5.42	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/02/95	11.14	6.88	4.26	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	04/26/96	11.14	6.28	4.86	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	08/22/96	11.14	6.65	4.49	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	03/16/98	11.14	5.51	5.63	NLPH	<500	150,000	---	24	<5.0	<5.0	<5.0
MW9C	04/21/98	11.14	5.83	5.31	NLPH	150	130,000	150,000	<0.5	<0.5	<0.5	<0.5
MW9C	07/22/98	14.19	6.43	7.76	NLPH	<500	95,000	---	<5.0	<5.0	<5.0	<5.0
MW9C	12/22/98	14.19	6.16	8.03	NLPH	<500	84,000	---	<5.0	<5.0	<5.0	<5.0
MW9C	02/26/99	14.19	5.46	8.73	NLPH	<250	55,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/99	14.19	6.27	7.92	NLPH	<25,000	68,900	---	<250	<250	<250	<250
MW9C	08/03/99	14.19	7.13	7.06	NLPH	210	69,200	---	<1.0	1.3	<1.0	<1.0
MW9C	12/03/99	14.19	6.17	8.02	NLPH	290	50,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	02/29/00	14.19	4.49	9.70	NLPH	<250	40,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/00	14.19	5.96	8.23	NLPH	<250	46,000	33,000	<2.5	<2.5	<2.5	<2.5
MW9C	07/24/00	14.19	6.47	7.72	NLPH	<250	44,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	10/09/00	14.19	6.57	7.62	NLPH	<250	39,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	01/10/01	14.19	6.09	8.10	NLPH	<250	42,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	04/10/01	14.19	7.88	6.31	NLPH	<250	35,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	07/12/01	14.19	---	---	NLPH	<250	32,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	08/17/01 c	14.19	6.60	7.59	---	---	---	---	---	---	---	---
MW9C	10/11/01	14.19	6.67	7.52	NLPH	<250	53,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	11/01/01	14.16	Well surveyed in compliance with AB2886 requirements.									
MW9C	01/11/02	14.16	5.29	8.87	NLPH	2,470e	90,000e	---	0.90e	<0.50	<0.50	<0.50

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9C	04/12/02	14.16	6.14	8.02	NLPH	70,400	66,800	---	<5.00	<5.00	<5.00	<5.00
MW9C	07/12/02	14.16	6.54	7.62	NLPH	50,900	58,300	---	<500	<500	<500	<500
MW9C	10/11/02	14.16	6.73	7.43	NLPH	52,100	58,800	76,000	<10.0	<10.0	<10.0	<10.0
MW9C	01/10/03	14.16	5.21	8.95	NLPH	40,600	55,500	---	<0.5	<0.5	<0.5	<0.5
MW9C	04/09/03	14.16	6.08	8.08	NLPH	24,700	29,600	---	<5.00	<5.0	<5.0	<5.0
MW9C	07/22/03	14.16	6.47	7.69	NLPH	13,800	13,100	---	1.40	<0.5	<0.5	<0.5
MW9C	10/01/03	14.16	6.62	7.54	NLPH	9,100	---	38,400	0.70	<0.5	<0.5	<0.5
MW9C	01/06/04	14.16	4.86	9.30	NLPH	4,160	---	5,020	0.70	<0.5	<0.5	<0.5
MW9C	06/07/04	14.16	7.35	6.81	NLPH	4,480	---	3,420	<0.50	<0.5	<0.5	<0.5
MW9C	08/30/04	14.16	h	h	h	1,950h	---	1,950h	<0.50h	<0.5h	<0.5h	<0.5h
MW9C	12/13/04	14.16	5.03	9.13	NLPH	610	---	705	<0.50	<0.5	<0.5	<0.5
MW9C	03/14/05	14.16	5.63	8.53	NLPH	906	---	1,110	<0.50	<0.5	<0.5	<0.5
MW9C	06/08/05	14.16	12.75	1.41	NLPH	854	---	1,100	<0.50	<0.5	<0.5	<0.5
MW9C	09/01/05	14.16	6.95	7.21	NLPH	361	---	409	<0.50	<0.50	<0.50	<0.50
MW9C	12/09/05	14.16	7.54	6.62	NLPH	217	---	171	<0.50	<0.50	<0.50	<0.50
MW9C	12/30/05	14.16	4.21	9.95	NLPH	---	---	---	---	---	---	---
MW9C	03/07/06	14.16	12.48	1.68	NLPH	320	---	480	<2.0	<2.0	<2.0	<2.0
MW9C	06/26/06	14.16	6.36	7.80	NLPH	350	---	300	<2.0	<2.0	<2.0	<2.0
MW9C	09/25/06	14.16	6.71	7.45	NLPH	136	---	234	<0.50	<0.50	<0.50	<0.50
MW9C	12/15/06	14.16	12.21	1.95	NLPH	190k	---	260	<1.0	<1.0	<1.0	<1.0
MW9C	03/29/07	14.16	12.30	1.86	NLPH	483	---	396	<0.50	<0.50	<0.50	<0.50
MW9C	06/12/07	14.16	6.97	7.19	NLPH	200k	---	250	<1.0	<1.0	<1.0	<1.0
MW9C	08/23/07	14.16	6.84	7.32	NLPH	55k	---	51	<0.50	<0.50	<0.50	<0.50
<b>MW9C</b>	<b>11/27/07</b>	<b>14.16</b>	<b>11.73</b>	<b>2.43</b>	<b>NLPH</b>	<b>170k</b>	<b>---</b>	<b>230</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>
MW9D	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9D	10/13/89	101.46 l	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9D	10/19/90	101.46 l	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/05/92	101.46 l	7.78	93.68	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/05/92	101.46 l	7.90	93.56	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	09/14/92	101.46 l	8.45	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/16/92	101.46 l	8.10	93.36	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/03/93	101.46 l	7.07	94.39	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/93	101.46 l	7.85	93.61	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/26/93	101.46 l	8.30	93.16	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/04/93	101.46 l	8.33	93.13	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/04/94	101.46 l	7.66	93.80	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/31/94	101.46 l	6.80	94.66	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	10/26/94	12.90	8.34	4.56	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/15/95	12.90	7.22	5.68	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/02/95	12.90	8.31	4.59	---	---	---	---	<0.5	<0.5	<0.5	<0.5

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9D	04/26/96	12.90	7.58	5.32	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/22/96	12.90	8.12	4.78	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	03/16/98	12.90	6.94	5.96	NLPH	<50	10	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/21/98	12.90	7.22	5.68	NLPH	<50	12	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/22/98	15.98	7.85	8.13	NLPH	<50	13	---	<0.5	<0.5	<0.5	<0.5
MW9D	12/22/98	15.98	7.58	8.40	NLPH	<50	12	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/26/99	15.98	6.42	9.56	NLPH	<50	310	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/99	15.98	6.55	9.43	NLPH	<2,500	13,500	---	<25	<25	<25	<25
MW9D	08/03/99	15.98	8.34	7.64	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	12/03/99	15.98	7.56	8.42	NLPH	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/29/00	15.98	4.82	11.16	NLPH	<50	2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/00	15.98	7.40	8.58	NLPH	<50	6.2	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/24/00	15.98	7.91	8.07	NLPH	<50	14	---	<0.5	<0.5	0.85	0.74
MW9D	10/09/00	15.98	8.02	7.96	NLPH	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/01	15.98	7.26	8.72	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/10/01	15.98	7.32	8.66	NLPH	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/12/01	15.98	--	--	NLPH	<50	22	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/17/01 d	15.98	---	---	---	---	---	---	---	---	---	---
MW9D	10/11/01	15.98	8.16	7.82	NLPH	<50	24	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/01/01	15.97	Well surveyed in compliance with AB2886 requirements.									
MW9D	01/11/02	15.97	6.64	9.33	NLPH	352e	2.0e	---	<0.50	<0.50	<0.50	<0.50
MW9D	04/12/02	15.97	7.58	8.39	NLPH	191	192	---	<0.50	<0.50	<0.50	<0.50
MW9D	07/12/02	15.97	8.01	7.96	NLPH	108	124	---	<0.5	<0.5	<0.5	<0.5
MW9D	10/11/02	15.97	8.13	7.84	NLPH	187	243	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/03	15.97	5.98	9.99	NLPH	386	132	---	4.1	<0.5	<0.5	<0.5
MW9D	04/09/03	15.97	7.53	8.44	NLPH	468	292	---	3.80	<0.5	<0.5	<0.5
MW9D	07/22/03	15.97	7.87	8.10	NLPH	446	339	---	0.70	<0.5	<0.5	<0.5
MW9D	10/01/03	15.97	8.04	7.93	NLPH	402	---	362	<0.50	<0.5	<0.5	<0.5
MW9D	01/06/04	15.97	6.31	9.66	NLPH	72.2	---	80.9	<0.50	<0.5	<0.5	<0.5
MW9D	06/07/04	15.97	8.17	7.80	NLPH	237	---	353	<0.50	<0.5	<0.5	<0.5
MW9D	08/30/04 d	15.97	---	---	---	---	---	---	---	---	---	---
MW9D	12/13/04	15.97	5.39	10.58	NLPH	379	---	353	4.80	0.7	<0.5	0.9
MW9D	03/14/05	15.97	6.93	9.04	NLPH	<50.0	---	13.8	<0.50	<0.5	<0.5	<0.5
MW9D	06/08/05	15.97	8.83	7.14	NLPH	<50.0	---	57.2	<0.50	<0.5	<0.5	<0.5
MW9D	09/01/05	15.97	7.99	7.98	NLPH	64.3	---	51.8	<0.50	<0.50	<0.50	<0.50
MW9D	12/09/05	15.97	7.96	8.01	NLPH	56.3	---	33.0	<0.50	<0.50	<0.50	<0.50
MW9D	12/30/05 d	15.97	---	---	---	---	---	---	---	---	---	---
MW9D	03/07/06	15.97	6.19	9.78	NLPH	<50	---	9.3	<0.50	<0.50	<0.50	<0.50
MW9D	06/26/06	15.97	7.68	8.29	NLPH	<50	---	9.7	<0.50	<0.50	<0.50	<0.50
MW9D	09/25/06	15.97	8.00	7.97	NLPH	<50.0	---	13.8	<0.50	<0.50	<0.50	<0.50
MW9D	12/15/06	15.97	6.91	9.06	NLPH	<50	---	11	<0.50	<0.50	<0.50	<0.50
MW9D	03/29/07	15.97	8.53	7.44	NLPH	<50	---	6.91	<0.50	<0.50	<0.50	<0.50



**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
(Page 7 of 13)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9D	06/12/07	15.97	8.21	7.76	NLPH	<50	---	9.8	<0.50	<0.50	<0.50	<0.50
MW9D	08/23/07	15.97	8.27	7.70	NLPH	<50	---	15	<0.50	<0.50	<0.50	<0.50
<b>MW9D</b>	<b>11/27/07</b>	<b>15.97</b>	<b>8.67</b>	<b>7.30</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>21</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9E	10/24/88	---	---	---	---	---	---	---	1.3	<1.0	<2.0	<1.0
MW9E	10/13/89	---	---	---	---	---	---	---	15	<0.5	2.1	<3.0
MW9E	10/19/90	---	---	---	---	<50	---	---	4.0	<0.5	0.9	<0.5
MW9E	Oct-1990	Well destroyed.										
MW9F	12/06/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9F	10/13/89	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9F	10/19/90	---	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/05/92	96.96 l	5.81	91.15	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/05/92	96.96 l	5.86	91.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	09/14/92	96.96 l	---	---	---	---	---	---	---	---	---	---
MW9F	11/16/92	96.96 l	5.82	91.14	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/03/93	96.96 l	5.55	91.41	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/93	96.96 l	5.86	91.10	---	---	---	---	---	---	---	---
MW9F	05/19/93	96.96 l	---	---	---	<50	---	---	<0.5	---	1.2	6.8
MW9F	08/26/93	96.96 l	5.86	91.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	11/04/93	96.96 l	5.96	91.00	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/04/94	96.96 l	5.68	91.28	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/31/94	96.96 l	5.76	91.20	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/26/94	8.37	5.96	2.41	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/15/95	8.37	5.52	2.85	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	11/02/95	8.37	6.60	1.77	---	---	---	---	---	---	---	---
MW9F	04/26/96	8.37	6.50	1.87	NLPH	<50	57	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/22/96	8.37	5.74	2.63	NLPH	<50	5.8	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/24/97	8.37	---	---	NLPH	<50	<30	---	<0.5	<0.5	<0.5	<0.5
MW9F	03/16/98	8.37	---	---	NLPH	---	---	---	---	---	---	---
MW9F	04/21/98	8.37	---	---	---	---	---	---	---	---	---	---
MW9F	07/22/98	11.38	---	---	---	---	---	---	---	---	---	---
MW9F	12/22/98	11.38	5.47	5.91	NLPH	<50	81	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/26/99	11.38	5.35	6.03	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/99	11.38	5.62	5.76	NLPH	<50	61.6	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/03/99	11.38	6.32	5.06	NLPH	<50	3.10	---	<0.5	<0.5	<0.5	<0.5
MW9F	12/03/99	11.38	5.59	5.79	NLPH	<50	<2	---	<0.5	<0.5	0.71	<0.5
MW9F	02/29/00	11.38	4.70	6.68	NLPH	<50	52	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/00	11.38	5.37	6.01	NLPH	<50	65	---	<0.5	<0.5	<0.5	<0.5
MW9F	07/24/00	11.38	5.65	5.73	NLPH	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/09/00	11.38	5.71	5.67	NLPH	<50	170	---	<0.5	<0.5	<0.5	<0.5





**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9G	06/26/06 j	12.98	---	---	---	---	---	---	---	---	---	---
MW9G	09/25/06	12.98	8.41	4.57	NLPH	94.5	---	180	<0.50	<0.50	<0.50	<0.50
MW9G	12/15/06	12.98	5.30	7.68	NLPH	50k	---	52	<0.50	<0.50	<0.50	<0.50
<b>MW9G</b>	<b>03/29/07 - present j</b>											
MW9H	12/06/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9H	10/13/89	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9H	10/19/90	---	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/05/92	97.14 l	7.70	89.44	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/05/92	97.14 l	8.12	89.02	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	09/14/92	97.14 l	---	---	---	---	---	---	---	---	---	---
MW9H	11/16/92	97.14 l	---	---	---	---	---	---	---	---	---	---
MW9H	02/03/93	97.14 l	7.72	89.42	---	280	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/93	97.14 l	8.12	89.02	---	<50	---	---	<0.5	<0.5	1.1	6.4
MW9H	08/26/93	97.14 l	8.14	89.00	---	<50	---	---	0.8	<0.5	<0.5	<0.5
MW9H	11/04/93	97.14 l	8.15	88.99	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/04/94	97.14 l	7.98	89.16	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/31/94	97.14 l	8.80	88.34	---	<50	---	---	0.92	1.1	<0.5	0.86
MW9H	10/26/94	8.58	8.12	0.46	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/15/95	8.58	7.88	0.70	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	11/02/95	8.58	8.40	0.18	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9H	04/26/96	8.58	8.05	0.53	NLPH	---	---	---	---	---	---	---
MW9H	08/22/96	8.58	8.17	0.41	NLPH	---	---	---	---	---	---	---
MW9H	02/24/97	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	03/16/98	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	04/21/98	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	07/22/98	11.61	---	---	---	---	---	---	---	---	---	---
MW9H	12/22/98	11.61	7.81	3.80	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/26/99	11.61	7.61	4.00	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/99	11.61	8.00	3.61	NLPH	<50	3.98	---	<0.5	<0.5	<0.5	<0.5
MW9H	08/03/99	11.61	6.05	5.56	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	12/03/99	11.61	5.32	6.29	NLPH	<50	<2	---	<0.5	<0.5	<0.5	0.57 b
MW9H	02/29/00	11.61	7.10	4.51	NLPH	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/00	11.61	7.84	3.77	NLPH	<50	9.7	---	<0.5	<0.5	<0.5	<0.5
MW9H	07/24/00	11.61	7.94	3.67	NLPH	<50	17	---	<0.5	<0.5	<0.5	<0.5
MW9H	10/09/00	11.61	8.09	3.52	NLPH	<50	13	---	<0.5	<0.5	<0.5	1.1
MW9H	01/10/01	11.61	7.89	3.72	NLPH	<50	11	---	<0.5	<0.5	<0.5	0.5
MW9H	04/10/01	11.61	8.71	2.90	NLPH	<50	44	---	<0.5	0.78	0.52	2.36
MW9H	07/12/01	11.61	---	---	NLPH	<50	28	---	<0.5	<0.5	<0.5	<0.5
MW9H	08/17/01 d	11.61	---	---	---	---	---	---	---	---	---	---
MW9H	10/11/01	11.61	8.15	3.46	NLPH	<50	30	---	<0.5	<0.5	<0.5	<0.5
MW9H	11/01/01	11.59	Well surveyed in compliance with AB2886 requirements.									

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9H	01/11/02	11.59	7.48	4.11	NLPH	<50.0	20.5e	---	<0.50	<0.50	<0.50	<0.50
MW9H	04/12/02	11.59	7.68	3.91	NLPH	<50.0	32.8	---	<0.50	<0.50	<0.50	<0.50
MW9H	07/12/02	11.59	8.06	3.53	NLPH	<50.0	34.6	---	<0.5	<0.5	<0.5	<0.5
MW9H	10/11/02	11.59	7.83	3.76	NLPH	<50.0	33.1	28.7	<0.5	<0.5	<0.5	<0.5
MW9H	01/10/03	11.59	7.39	4.20	NLPH	<50.0	16.0	---	0.5	0.8	0.6	1.8
MW9H	04/09/03	11.59	7.69	3.90	NLPH	<50.0	26.8	---	<0.50	<0.5	<0.5	<0.5
MW9H	07/22/03	11.59	7.94	3.65	NLPH	55.3	34.7	---	<0.50	<0.5	<0.5	<0.5
MW9H	10/01/03	11.59	7.93	3.66	NLPH	<50.0	---	32.3	<0.50	<0.5	<0.5	0.9
MW9H	01/06/04	11.59	7.27	4.32	NLPH	<50.0	---	10	<0.50	<0.5	<0.5	<0.5
MW9H	06/07/04	11.59	7.99	3.60	NLPH	50.6	---	71.7	<0.50	<0.5	<0.5	<0.5
MW9H	08/30/04	11.59	h	h	h	64.2h	---	51.0h	<0.50h	<0.5h	<0.50h	<0.5h
MW9H	12/13/04	11.59	7.22	4.37	NLPH	<50.0	---	14.0	<0.50	<0.5	0.5	1.2
MW9H	03/14/05	11.59	6.96	4.63	NLPH	<50.0	---	27.4	<0.50	<0.5	<0.5	<0.5
MW9H	06/08/05	11.59	7.53	4.06	NLPH	52.6	---	68.8	<0.50	<0.5	<0.5	<0.5
MW9H	09/01/05	11.59	7.82	3.77	NLPH	140	---	71.6	<0.50	<0.50	<0.50	<0.50
MW9H	12/09/05 j	---	---	---	---	---	---	---	---	---	---	---
MW9H	12/30/05	11.59	7.27	4.32	NLPH	<50.0	---	13.7	<0.50	<0.50	<0.50	<0.50
MW9H	03/07/06 j	11.59	---	---	---	---	---	---	---	---	---	---
MW9H	06/26/06 j	11.59	---	---	---	---	---	---	---	---	---	---
MW9H	09/25/06	11.59	7.96	3.63	NLPH	59.5	---	71.0	<0.50	<0.50	<0.50	<0.50
MW9H	12/15/06	11.59	7.42	4.17	NLPH	57	---	21	<0.50	<0.50	<0.50	<0.50
<b>MW9H</b>	<b>03/29/07 - present j</b>											
MW9I	11/15/90	---	---	---	---	55	---	---	4.0	1.1	1.2	2.2
MW9I	02/05/92	98.66 l	5.56	93.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/05/92	98.66 l	5.60	93.06	---	<50	---	---	0.9	<0.5	<0.5	0.7
MW9I	09/14/92	98.66 l	6.12	92.54	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	11/16/92	98.66 l	5.82	92.84	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/03/93	98.66 l	4.92	93.74	---	240	---	---	46	1.1	2.3	2.1
MW9I	05/18/93	98.66 l	5.60	93.06	---	79	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/26/93	98.66 l	5.91	92.75	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	11/04/93	98.66 l	6.03	92.63	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/04/94	98.66 l	5.37	93.29	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/31/94	98.66 l	5.46	93.20	---	240	---	---	0.66	0.63	<0.5	1.4
MW9I	10/26/94	10.11	5.88	4.23	---	150	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/15/95	10.11	4.94	5.17	---	56	---	---	<0.5	0.82	<0.5	<0.5
MW9I	11/02/95	10.11	6.04	4.07	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9I	04/26/96	10.11	5.27	4.84	NLPH	<50	99	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/22/96	10.11	5.66	4.45	NLPH	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/24/97	10.11	5.24	4.87	NLPH	120	9,100	---	<0.5	<0.5	<0.5	<0.5
MW9I	03/16/98	10.11	4.91	5.20	NLPH	<200	59,000	---	13	<2.0	<2.0	<2.0
MW9I	04/21/98	10.11	5.08	5.03	NLPH	<500	59,000	---	<5.0	<5.0	<5.0	<5.0

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9I	07/22/98	13.14	5.44	7.70	NLPH	<500	62,000	---	<5.0	<5.0	<5.0	<5.0
MW9I	12/22/98	13.14	5.32	7.82	NLPH	200	51,000	---	1.7	<0.5	<0.5	<0.5
MW9I	02/26/99	13.14	4.71	8.43	NLPH	<500	9,700	---	<5.0	<5.0	<5.0	<5.0
MW9I	05/18/99	13.14	5.30	7.84	NLPH	<1,000	3,730	---	<10	<10	<10	<10
MW9I	08/03/99	13.14	5.98	7.16	NLPH	<50	21,900	---	<0.5	0.650	<0.5	<0.5
MW9I	12/03/99	13.14	5.31	7.83	NLPH	<250	2,000	---	3.9	2.9	<2.5	14
MW9I	02/29/00	13.14	4.20	8.94	NLPH	50	16,000	---	0.74	<0.5	<0.5	<0.5
MW9I	05/18/00	13.14	5.12	8.02	NLPH	<50	2,900	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/24/00	13.14	5.41	7.73	NLPH	<250	43,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	10/09/00	13.14	5.41	7.73	NLPH	<2,500	54,000	---	1.6	<0.5	<0.5	<0.5
MW9I	01/10/01	13.14	5.24	7.90	NLPH	<250	36,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	04/10/01	13.14	4.84	8.30	NLPH	<50	4,800	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/12/01	13.14	---	---	NLPH	<50	8,400	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/17/01	13.14	6.49	6.65	---	---	---	---	---	---	---	---
MW9I	10/11/01	13.14	5.64	7.50	NLPH	<250	38,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	11/01/01	13.13	Well surveyed in compliance with AB2886 requirements.									
MW9I	01/11/02	13.13	4.80	8.33	NLPH	1,330e	5,400e	---	4.80e	<0.50	<0.50	<0.50
MW9I	04/12/02	13.13	5.22	7.91	NLPH	1,460	1,480	---	<0.50	<0.50	<0.50	<0.50
MW9I	07/12/02	13.13	5.50	7.63	NLPH	4,460	6,490	---	<0.5	<0.5	<0.5	<0.5
MW9I	10/11/02	13.13	5.35	7.78	NLPH	31,300	37,700	51,000	<5.0	<5.0	<5.0	<5.0
MW9I	01/10/03	13.13	4.75	8.38	NLPH	4,820	6,180	---	9.4	0.7	1.1	1.3
MW9I	04/09/03	13.13	5.15	7.98	NLPH	2,130	1,510	---	22.3	1.9	1.5	1.5
MW9I	07/22/03	13.13	5.50	7.63	NLPH	2,330	2,540	---	1.60	<0.5	<0.5	<0.5
MW9I	10/01/03	13.13	5.65	7.48	NLPH	6,080	---	4,610	1.00	<0.5	<0.5	<0.5
MW9I	01/06/04	13.13	4.50	8.63	NLPH	175	---	61.3	0.90	<0.5	0.5	<0.5
MW9I	06/07/04	13.13	6.87	6.26	NLPH	4,620	---	3,410	<0.50	<0.5	<0.5	<0.5
MW9I	08/30/04	13.13	h	h	h	817h	---	847h	<0.50h	<0.5h	<0.5h	<0.5h
MW9I	12/13/04	13.13	4.47	8.66	NLPH	<50.0	---	14.4	<0.50	<0.5	<0.5	<0.5
MW9I	03/14/05	13.13	5.05	8.08	NLPH	96.7	---	44.9	<0.50	<0.5	<0.5	<0.5
MW9I	06/08/05	13.13	6.47	6.66	NLPH	1,230	---	321	<0.50	<0.5	<0.5	0.8
MW9I	09/01/05	13.13	5.60	7.53	NLPH	170	---	62.3	1.22	0.77	<0.50	<0.50
MW9I	12/09/05	13.13	6.82	6.31	NLPH	78.3	---	81.0	<0.50	0.58	<0.50	<0.50
MW9I	12/30/05	13.13	4.23	8.90	NLPH	---	---	---	---	---	---	---
MW9I	03/07/06	13.13	5.08	8.05	NLPH	<50	---	0.96	<0.50	<0.50	<0.50	<0.50
MW9I	06/26/06	13.13	5.30	7.83	NLPH	<50	---	3.7	<0.50	<0.50	<0.50	<0.50
MW9I	09/25/06	13.13	6.17	6.96	NLPH	50.9	---	24.0	<0.50	<0.50	<0.50	<0.50
MW9I	12/15/06	13.13	5.45	7.68	NLPH	<50	---	0.59	<0.50	<0.50	<0.50	<0.50
MW9I	03/29/07	13.13	6.35	6.78	NLPH	<50	---	1.15	<0.50	<0.50	<0.50	0.62
MW9I	06/12/07	13.13	5.87	7.26	NLPH	<50	---	0.53	<0.50	<0.50	<0.50	<0.50
MW9I	08/23/07	13.13	6.14	6.99	NLPH	<50	---	0.86	<0.50	<0.50	<0.50	<0.50
<b>MW9I</b>	<b>11/27/07</b>	<b>13.13</b>	<b>6.48</b>	<b>6.65</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>0.69</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>

**TABLE 3A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70238

2200 East 12th Street

Oakland, California

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Notes:	=	
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. Samples were not taken.
d	=	Well inaccessible.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analyses.
h	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Well not gauged and/or sampled due to encroachment permit restrictions.
k	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
l	=	Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet.







**TABLE 3B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW9D	10/01/03	<0.50	<0.50	235	<0.50	<0.50	<0.50	---
MW9D	01/06/04	<0.50	<0.50	51.8	<0.50	<0.50	<0.50	---
MW9D	06/07/04	---	---	---	---	---	---	<50.0
MW9D	08/30/04 h	---	---	---	---	---	---	---
MW9D	12/13/04	---	---	---	---	---	---	---
MW9D	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9D	06/08/05	<0.50	<0.50	57.8	<0.50	<0.50	<0.50	<100
MW9D	09/01/05	---	---	---	---	---	---	---
MW9D	12/09/05	---	---	---	---	---	---	---
MW9D	12/30/05 d	---	---	---	---	---	---	---
MW9D	03/07/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9D	06/26/06	---	---	---	---	---	---	---
MW9D	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW9D	12/15/06	<0.50	<0.50	<12	<0.50	<0.50	<0.50	---
MW9D	03/29/07	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW9D	06/12/07	<0.50	<0.50	<20	<0.50	<0.50	<0.50	---
MW9D	08/23/07	<0.50	<0.50	<10	<0.50	<0.50	<0.50	---
<b>MW9D</b>	<b>11/27/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	---
MW9E	10/24/88 - 10/19/90	Not analyzed for these analytes.						
MW9E	Oct-1990	Well destroyed.						
MW9F	12/06/88 - 07/12/02	Not analyzed for these analytes.						
MW9F	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9F	01/10/03	---	---	---	---	---	---	---
MW9F	04/09/03	---	---	---	---	---	---	---
MW9F	07/22/03	---	---	---	---	---	---	---
MW9F	10/01/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9F	01/06/04	<0.50	<0.50	13.7	<0.50	<0.50	<0.50	---
MW9F	06/07/04	---	---	---	---	---	---	<50.0
MW9F	08/30/04	---	---	---	---	---	---	<50.0j
MW9F	12/13/04	---	---	---	---	---	---	---
MW9F	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9F	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9F	09/01/05	---	---	---	---	---	---	---
MW9F	12/09/05 j	---	---	---	---	---	---	---
MW9F	12/30/05	---	---	---	---	---	---	---
MW9F	03/07/06 j	---	---	---	---	---	---	---
MW9F	06/26/06 j	---	---	---	---	---	---	---
MW9F	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---



**TABLE 3B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California  
(Page 5 of 6)

Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW9H	03/07/06 j	---	---	---	---	---	---	---
MW9H	06/26/06 j	---	---	---	---	---	---	---
MW9H	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW9H	12/15/06	<0.50	<0.50	<12	<0.50	<0.50	<0.50	---
<b>MW9H</b>	<b>03/29/07 - present j</b>							
MW9I	11/15/90 - 07/12/02	Not analyzed for these analytes.						
MW9I	10/11/02	<0.50	24.1	<10.0	<0.50	<0.50	<0.50	---
MW9I	01/10/03	---	---	---	---	---	---	---
MW9I	04/09/03	---	---	---	---	---	---	---
MW9I	07/22/03	---	---	---	---	---	---	---
MW9I	10/01/03	<0.50	1.50	30,300	<0.50	<0.50	<0.50	---
MW9I	01/06/04	<0.50	<0.50	377	<0.50	<0.50	<0.50	---
MW9I	06/07/04	---	---	---	---	---	---	<50.0
MW9I	08/30/04	---	---	---	---	---	---	<50.0j
MW9I	12/13/04	---	---	---	---	---	---	---
MW9I	03/14/05	<0.50	<0.50	1,640	<0.50	<0.50	<0.50	<50.0
MW9I	06/08/05	<0.50	<0.50	47,000	<0.50	<0.50	<0.50	<100
MW9I	09/01/05	---	---	---	---	---	---	---
MW9I	12/09/05	---	---	---	---	---	---	---
MW9I	12/30/05	---	---	---	---	---	---	---
MW9I	03/07/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<100
MW9I	06/26/06	---	---	---	---	---	---	<100
MW9I	09/25/06	<0.500	<0.500	10,300	<0.500	<0.500	<0.500	<50.0
MW9I	12/15/06	<0.50	<0.50	730	<0.50	<0.50	<0.50	<100
MW9I	03/29/07	<0.500	<0.500	632	<0.500	<0.500	<0.500	<50.0
MW9I	06/12/07	<0.50	<0.50	140	<0.50	<0.50	<0.50	---
MW9I	08/23/07	<0.50	<0.50	90	<0.50	<0.50	<0.50	<100
<b>MW9I</b>	<b>11/27/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>15</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;100</b>

**TABLE 3B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70238  
 2200 East 12th Street  
 Oakland, California  
 (Page 6 of 6)

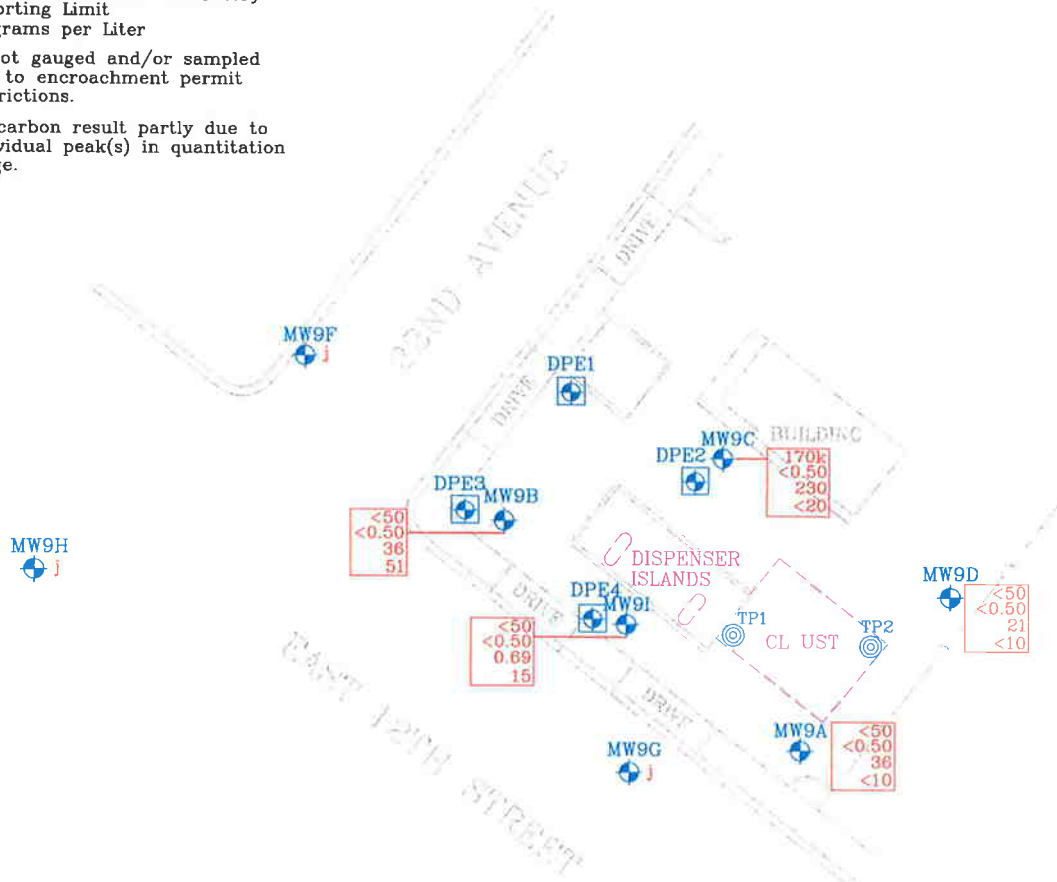
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Notes:	=	
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. Samples were not taken.
d	=	Well inaccessible.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analyses.
h	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Well not gauged and/or sampled due to encroachment permit restrictions.
k	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
l	=	Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet.

Analyte Concentrations in ug/L  
 Sampled November 27, 2007

- 170k Total Petroleum Hydrocarbons as gasoline
- <0.50 Benzene
- 230 Methyl Tertiary Butyl Ether (EPA Method 8260B)
- <20 Tertiary Butyl Alcohol

- < Less Than the Stated Laboratory Reporting Limit
- ug/L Micrograms per Liter
- j Well not gauged and/or sampled due to encroachment permit restrictions.
- k Hydrocarbon result partly due to individual peak(s) in quantitation range.



SOURCE:  
 Modified from a map  
 provided by  
 Morrow Surveying

APPROXIMATE SCALE



FN: 2293 08 L36 07 4QTR QM\_SP

F:\2293\SPECIALITY MAPS\08 L36\08 L36 07 4QTR QM.dwg, mkjones

**EXPLANATION**

MW9I

Groundwater Monitoring Well

DPE4

Dual-Phase Extraction Well

TP2

Tank Pit Well



**SELECT ANALYTICAL RESULTS**  
**November 27, 2007**

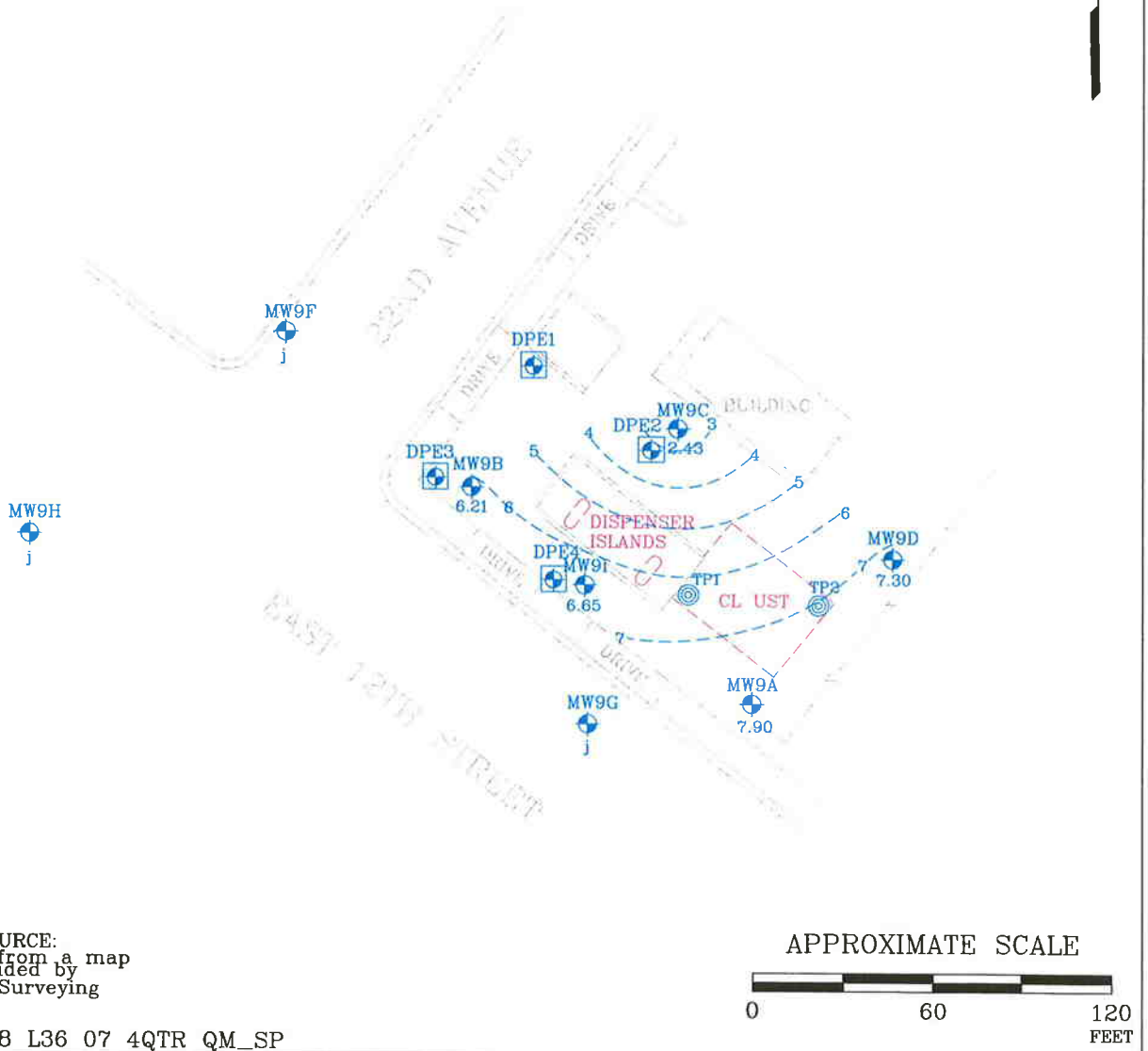
FORMER EXXON SERVICE STATION 70238  
 2200 East 12th Street  
 Oakland, California

**PROJECT NO.**

2293

**PLATE**

1



J:\2293\SPECIALITY MAPS\08 L36\08 L36 07 4QTR QM.dwg, mkjones

**EXPLANATION**

MW9I

Groundwater Monitoring Well  
6.65 Groundwater elevation in feet;  
datum is mean sea level

DPE4

Dual-Phase Extraction Well

TP2

Tank Pit Well

7 --- Line of Equal Groundwater Elevation;  
datum is mean sea level

j Well not gauged and/or sampled due  
to encroachment permit restrictions.



**GROUNDWATER ELEVATION MAP**  
**November 27, 2007**

FORMER EXXON SERVICE STATION 70238  
2200 East 12th Street  
Oakland, California

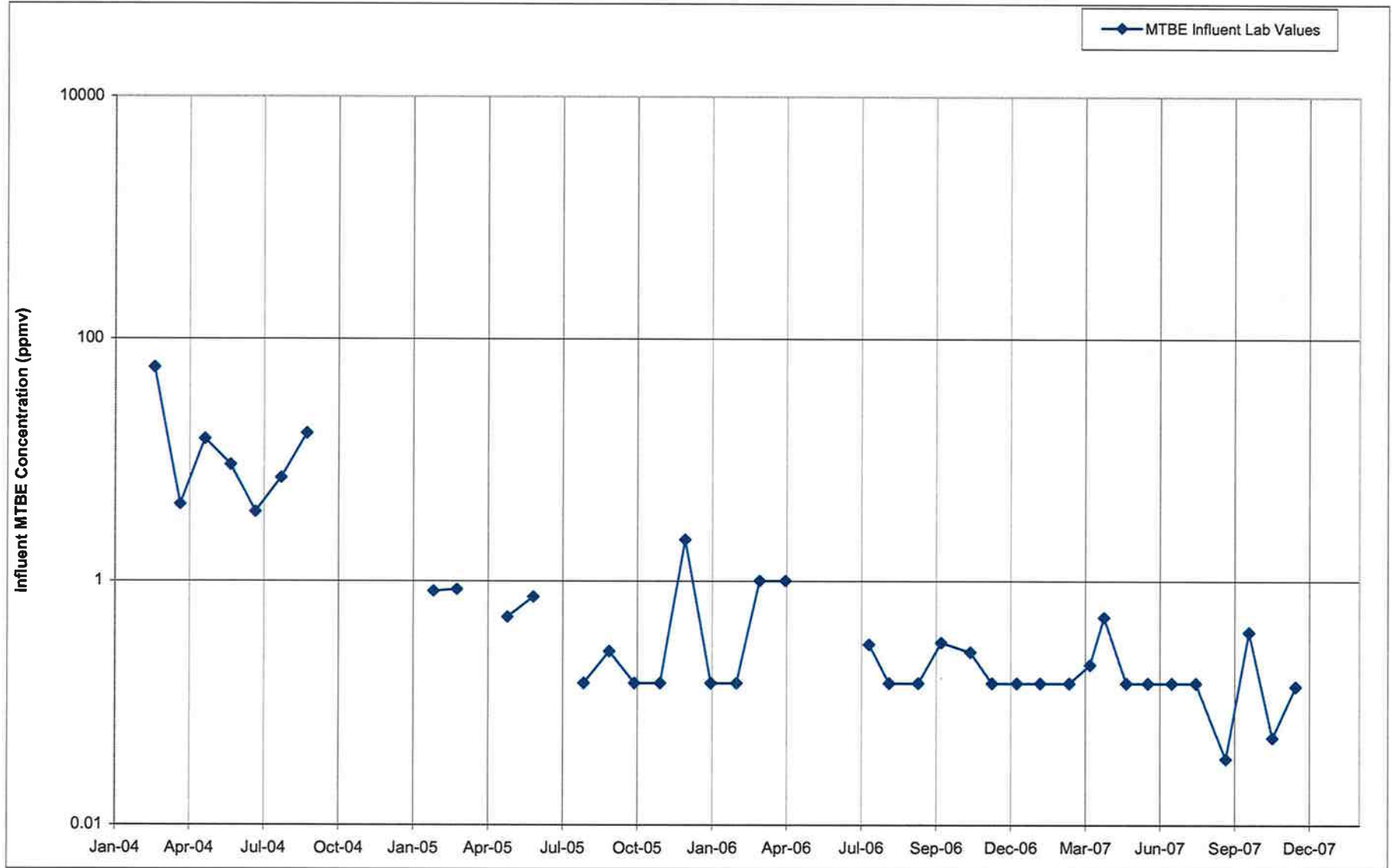
**PROJECT NO.**

2293

**PLATE**

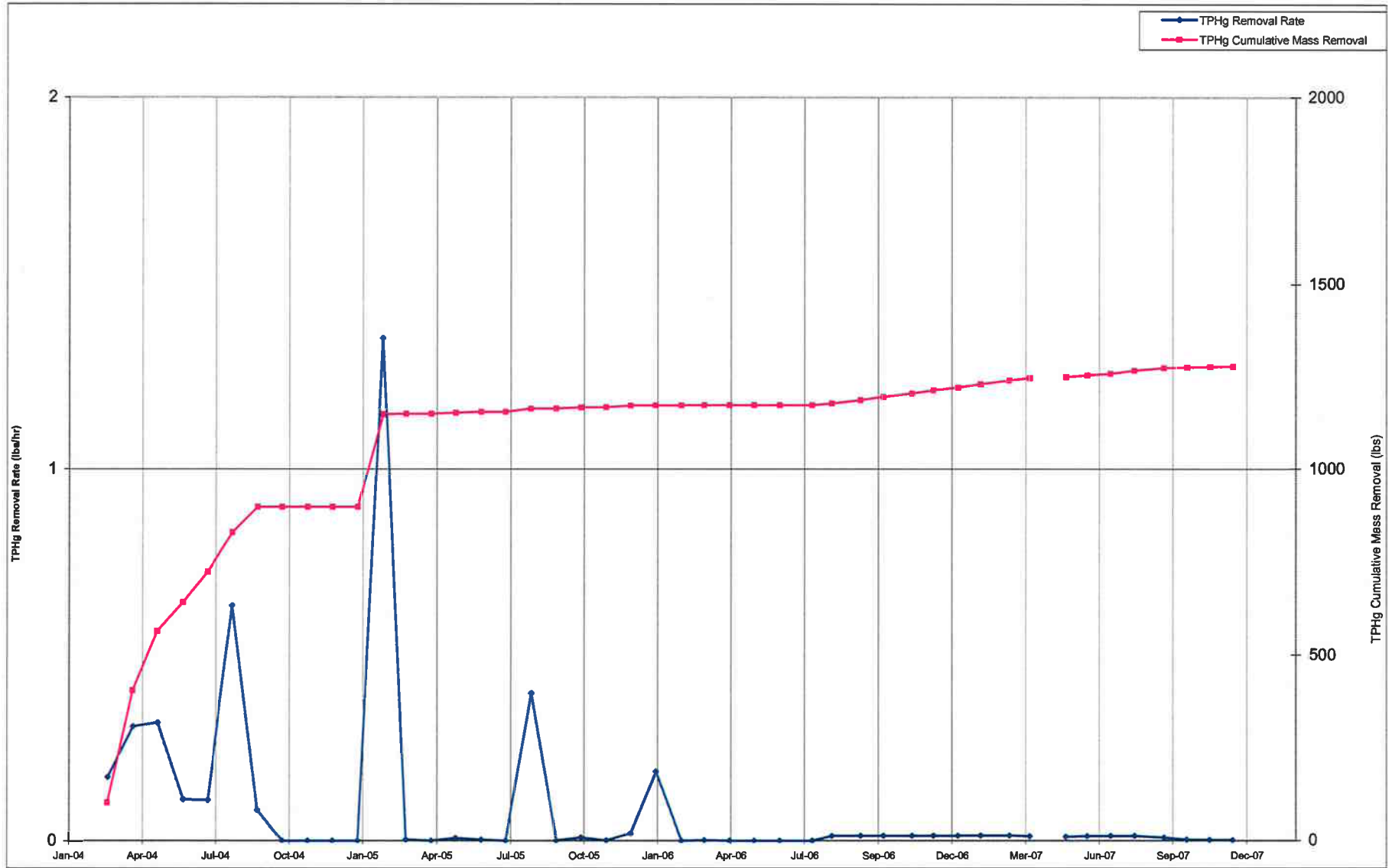
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**GRAPH 1**  
**Influent Vapor-phase MTBE Concentrations vs. Time**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California

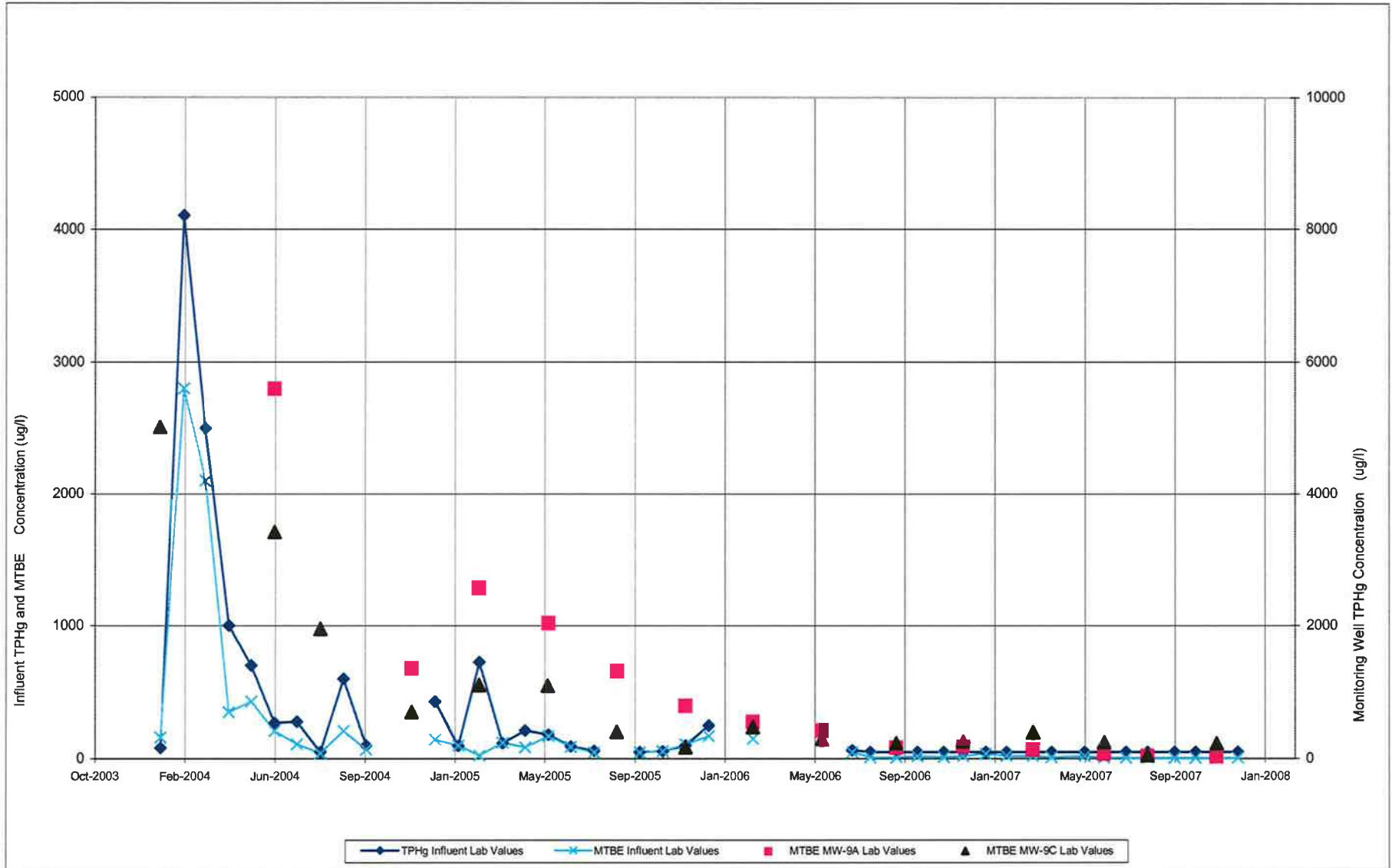




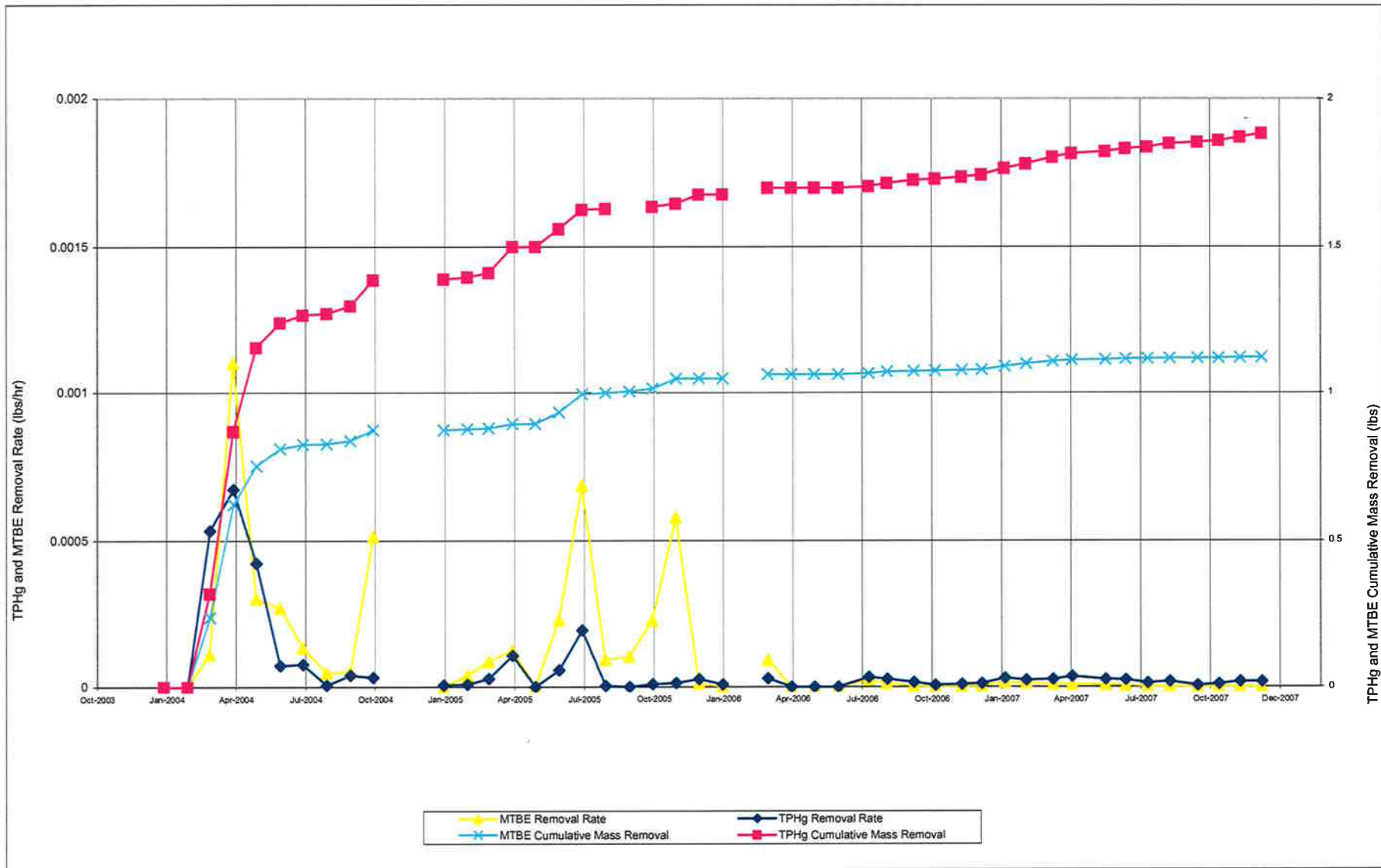
**GRAPH 2**  
**Vapor-Phase TPHg Mass Removal Rate vs. Time**  
 Former Exxon Service Station 70238  
 2200 East 12th Street  
 Oakland, California



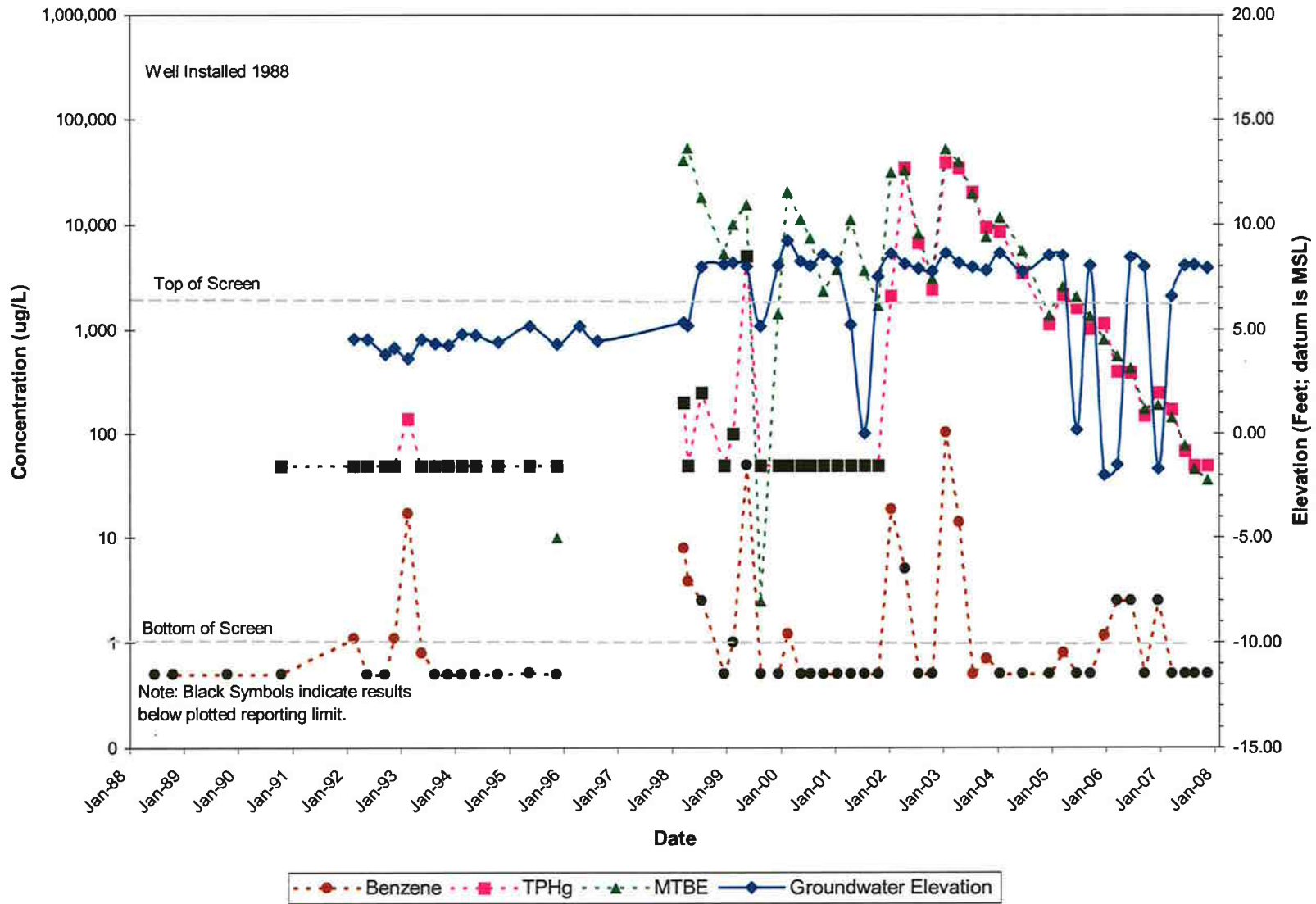
**GRAPH 3**  
**Influent Dissolved TPHg and MTBE Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 East 12th Street  
 Oakland, California



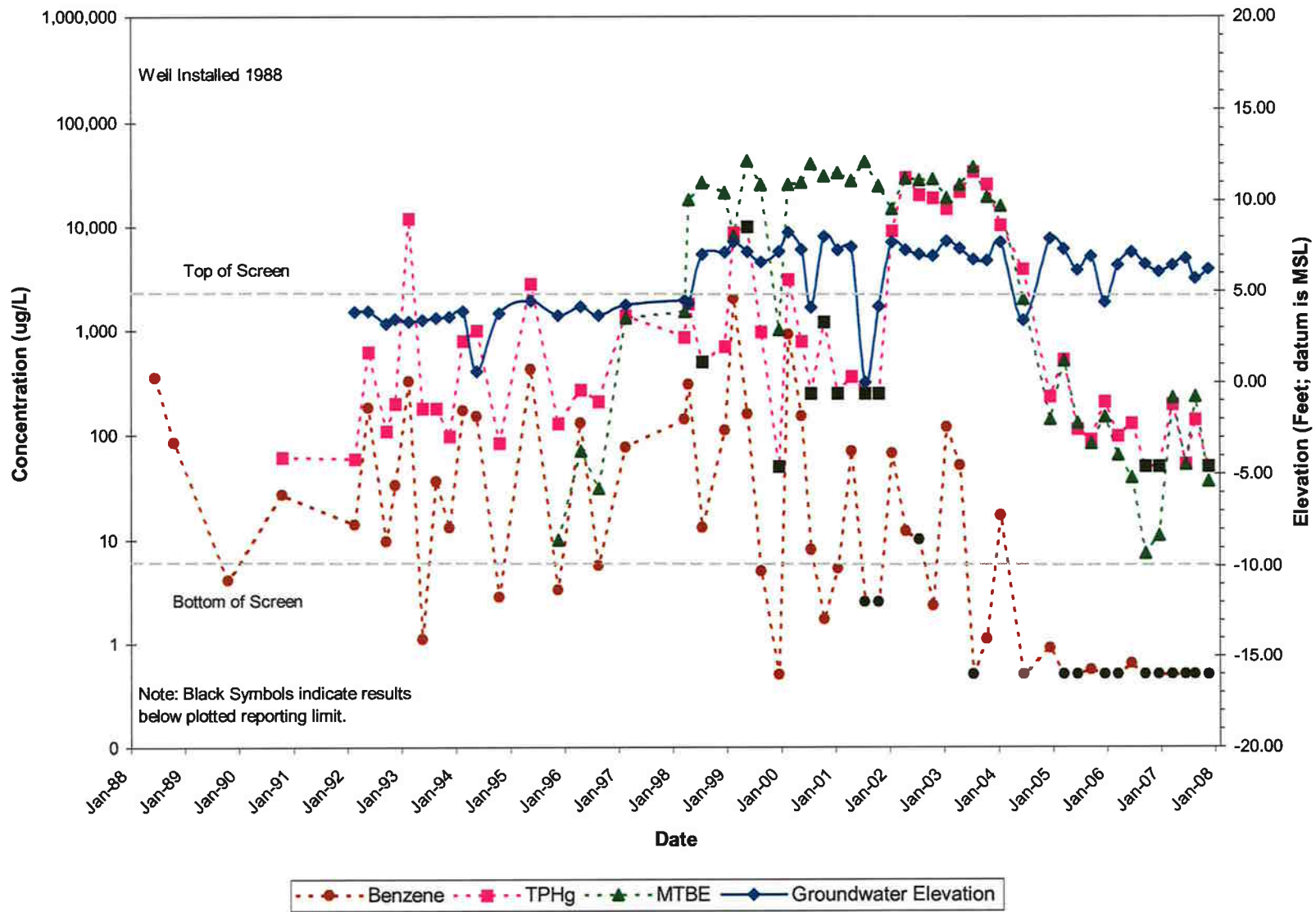
**GRAPH 4**  
**Dissolved TPHg and MTBE Mass Removal Rates vs. Time**  
 Former Exxon Service Station 70238  
 2200 East 12th Street  
 Oakland, California



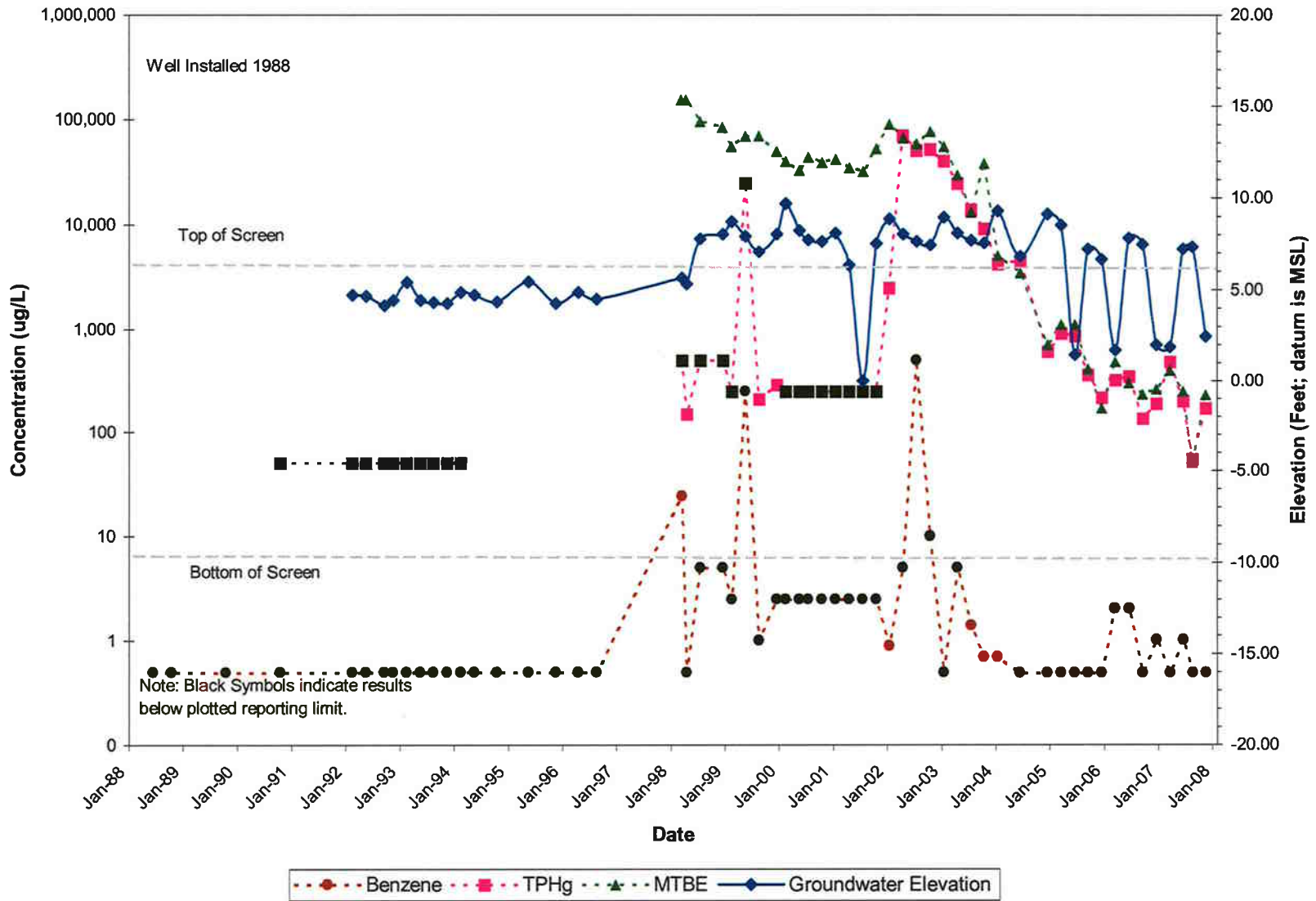
**GRAPH 5**  
**Well MW9A - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 E. 22nd Street  
 Oakland, California



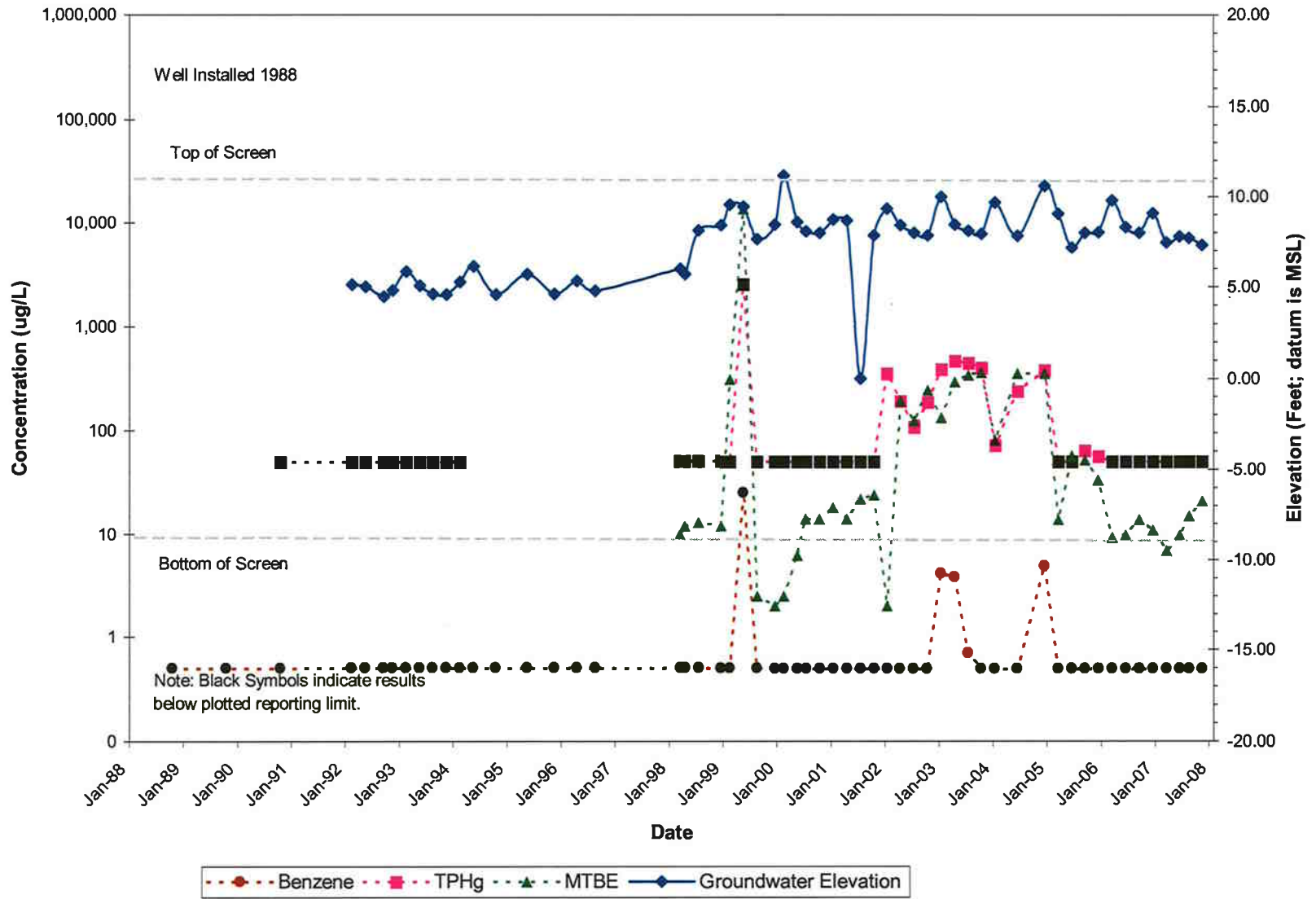
**GRAPH 6**  
**Well MW9B - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
Former Exxon Service Station 70238  
2200 E. 22nd Street  
Oakland, California



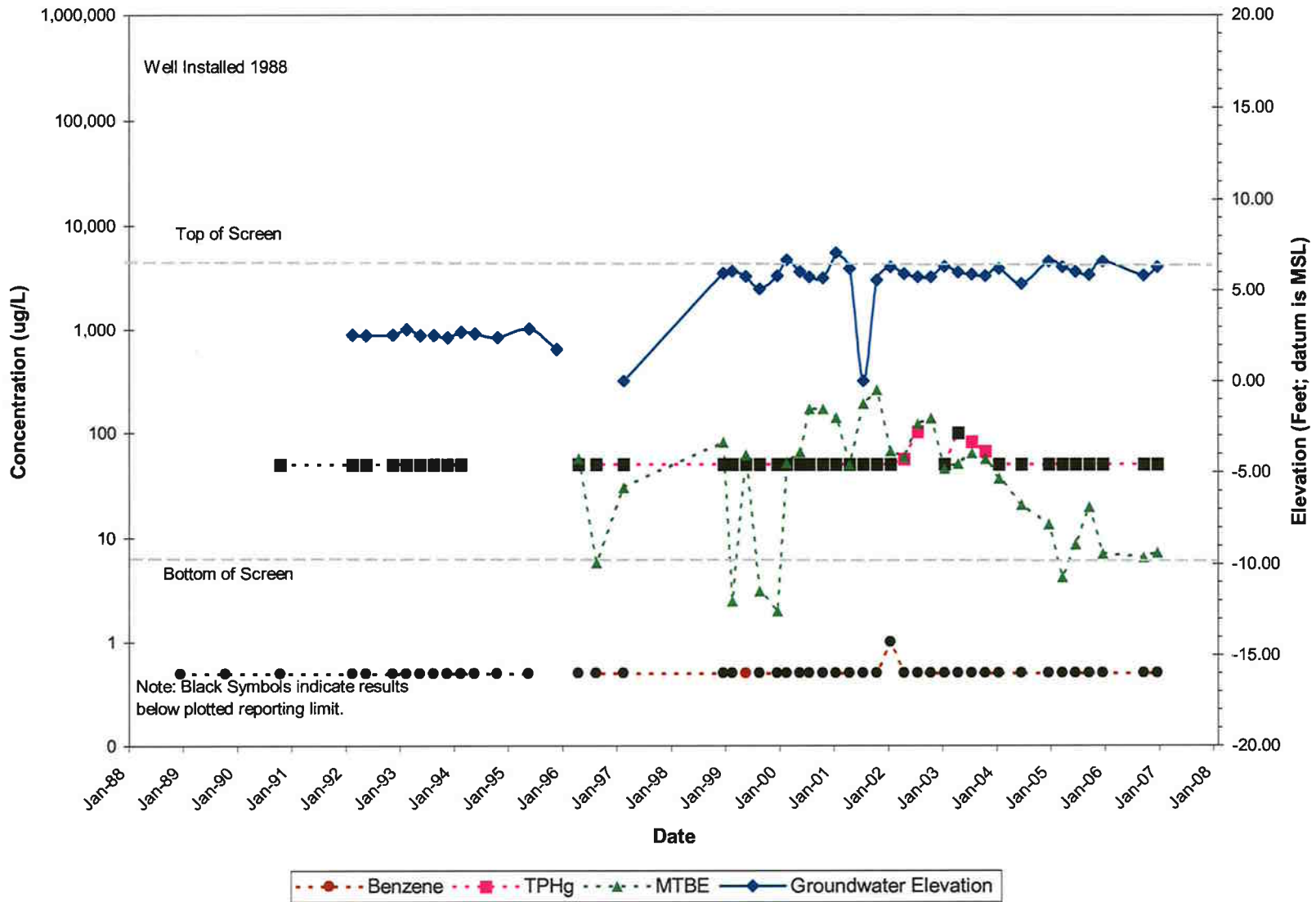
**GRAPH 7**  
**Well MW9C - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 E. 22nd Street  
 Oakland, California



**GRAPH 8**  
**Well MW9D - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
Former Exxon Service Station 70238  
2200 E. 22nd Street  
Oakland, California

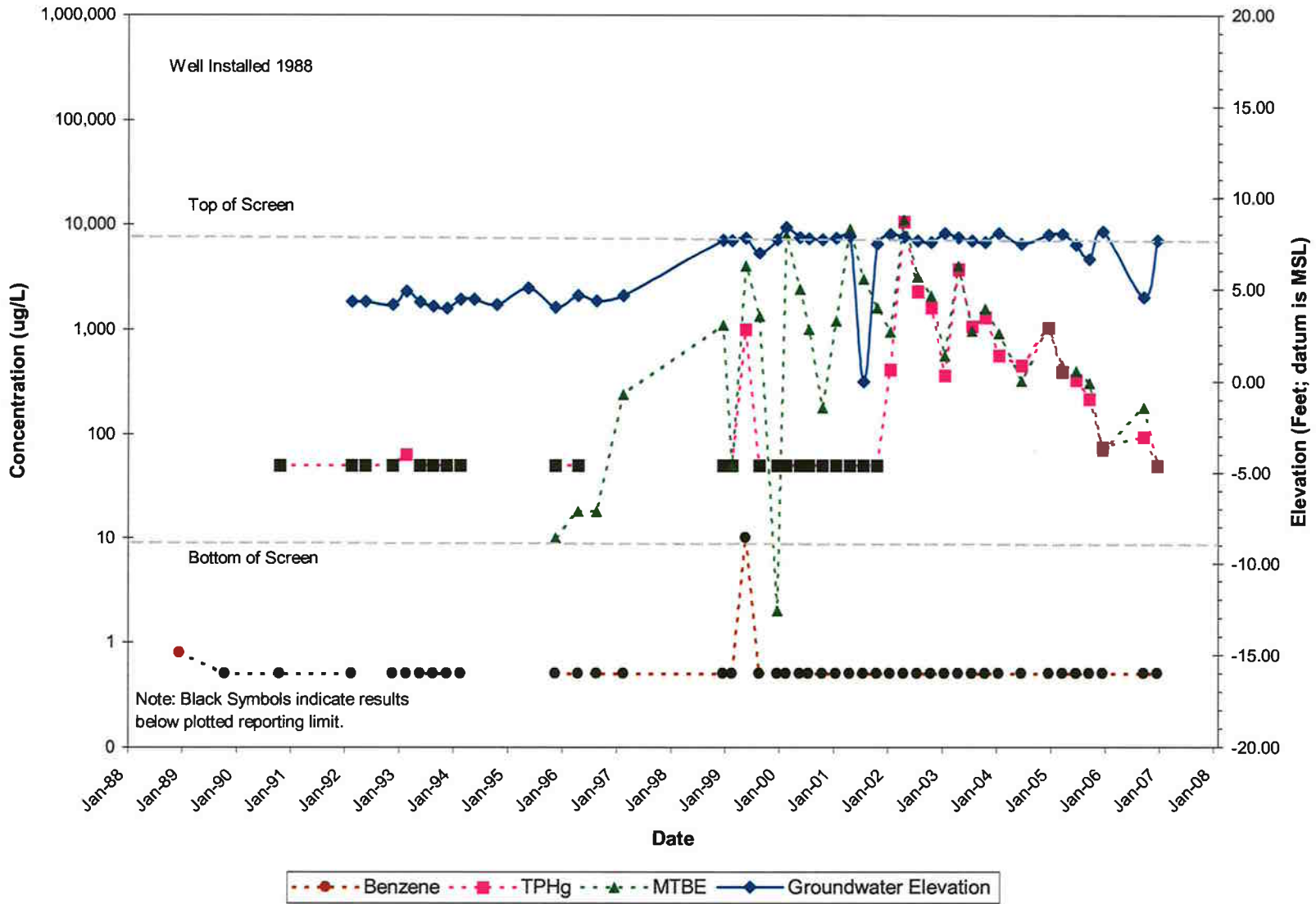


**GRAPH 9**  
**Well MW9F - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 E. 22nd Street  
 Oakland, California

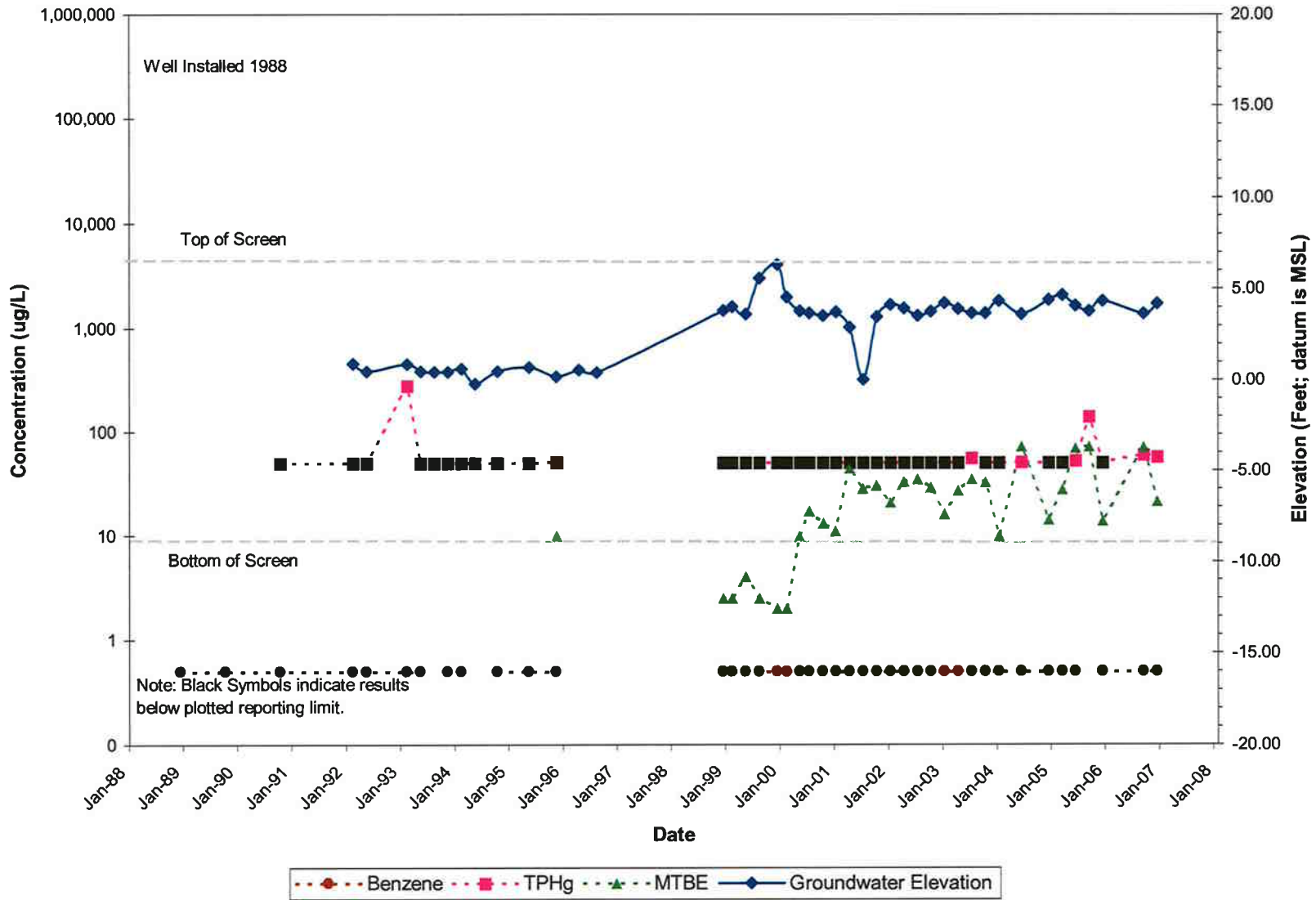




**GRAPH 10**  
**Well MW9G - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
Former Exxon Service Station 70238  
2200 E. 22nd Street  
Oakland, California



**GRAPH 11**  
**Well MW9H - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 E. 22nd Street  
 Oakland, California



**GRAPH 12**  
**Well MW9I - Groundwater Elevation and Hydrocarbon Concentrations vs. Time**  
 Former Exxon Service Station 70238  
 2200 E. 22nd Street  
 Oakland, California

