

**ExxonMobil**  
**Refining & Supply Company**  
Global Remediation

4096 Piedmont Avenue #194  
Oakland, California 94611  
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510.547.8706 Fax  
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek  
Project Manager

**RECEIVED**

*By dehloptoxic at 1:25 pm, Aug 15, 2006*

**ExxonMobil**  
*Refining & Supply*

August 4, 2006

Ms Donna Drogos  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

**RE: Former Exxon RAS #7-0238/2200 East 12<sup>th</sup> Street, Oakland California.**

Dear Ms. Drogos:

Attached for your review and comment is a copy of the letter report entitled *Groundwater Monitoring and Remediation Status Report, Second Quarter 2006*, dated August 4, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring and sampling activities for 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,

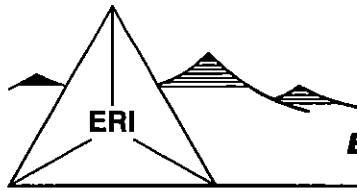


Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Groundwater Monitoring and Remediation Status Report, Second Quarter 2006,  
dated August 4, 2006.

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.



**ENVIRONMENTAL RESOLUTIONS, INC.**

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August 4, 2006  
ERI 229313.Q062

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply - Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611

**SUBJECT** Groundwater Monitoring and Remediation Status Report, Second Quarter 2006  
Former Exxon Service Station 7-0238  
2200 East 12<sup>th</sup> Street, Oakland, California

**Bay Area Air Quality Management District Permit to Operate No. 15044**  
**East Bay Municipal Utility District Discharge Permit No. 5051679-1**

## **INTRODUCTION**

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed second quarter 2006 groundwater monitoring and sampling activities at the subject site. This report covers select activities from March 7, 2006, through June 26, 2006. Relevant tables, plates, and attachments are included at the end of this report. Currently, the site operates as a Valero-branded service station.

## **GROUNDWATER MONITORING AND SAMPLING SUMMARY**

<b>Gauging and sampling dates:</b>	06/26/06
<b>Wells gauged and sampled:</b>	MW9A through MW9D, MW9I
<b>Presence of NAPL:</b>	Not observed
<b>Remediation system status on sampling date:</b>	Inactive
<b>Laboratory:</b>	TestAmerica Analytical Testing Corporation (formerly Sequoia Analytical), Morgan Hill, California
<b>Analyses performed:</b>	EPA Method 8015B TPHg EPA Method 8021B BTEX EPA Method 8260B MTBE, ethanol (select samples)
<b>Waste disposal:</b>	64 gallons of purge and decon water delivered to Romic Environmental Technologies Corporation on 06/27/06.

**REMEDIATION SYSTEM SUMMARY**

**Dual-Phase Extraction System**

The dual-phase extraction (DPE) system simultaneously extracts soil vapor and groundwater from four DPE wells (DPE1 through DPE4) and one groundwater monitoring well (MW9A). In May 2005, groundwater monitoring well MW9A was hooked up to the DPE system. Extracted soil vapor is abated using a catalytic oxidizer prior to atmospheric discharge in compliance with a Bay Area Air Quality Management District (BAAQMD) Permit to Operate. Groundwater extracted by the DPE system is processed through two sediment filters and three 1,000-pound liquid-phase granular activated carbon vessels prior to discharge to the sanitary sewer under provisions of an East Bay Municipal Utility District (EBMUD) discharge permit. On a monthly basis, ERI collects influent and effluent soil vapor samples and water samples from influent, intermediate, and effluent sample ports. During first quarter 2006, the remediation system was operated intermittently and was discharged into a holding tank until abatement efficiency could be verified. After verifying abatement efficiency, the holding tank was discharged, and the system was restarted for continuous operation on March 3, 2006. On March 9, 2006, the system was shut down pending renewal of the groundwater discharge permit.

**System start-up date:** March 2004

**System discharge permits:** DPE System, Vapor-Phase BAAQMD Permit No.15044  
DPE System, Liquid-Phase EBMUD Wastewater Permit No. 5051679-1

**System reporting period:** 03/03/06 – 06/26/06

**System modifications during reporting period:** None

**System status during reporting period** Inactive

**System Performance:**

DPE System, Vapor-Phase

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
To Date:	<1,170.97	<10.34	<48.08

DPE System, Liquid-Phase

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
To Date:	414,070	<1.699	<0.0136	1.0606

**DOCUMENT DISTRIBUTION**

ERI recommends forwarding copies of this report to:

Ms. Donna Drogos  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

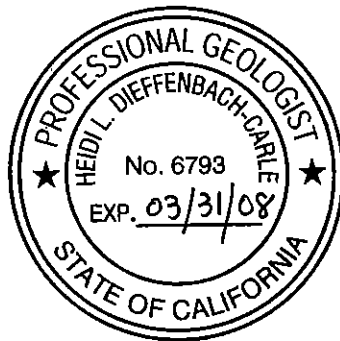
Mr. Chuck Headlee  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612

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.

*Karen L. Navas*  
Karen L. Navas  
Technical Writer

*Heidi Dieffenbach-Carle*  
Heidi Dieffenbach-Carle  
P.G. 6793

SCANNED  
MANAGED

Attachments:	Table 1A:	Cumulative Groundwater Monitoring and Sampling Data
	Table 1B:	Additional Cumulative Groundwater Monitoring and Sampling Data
	Table 2:	Well Construction Details
	Table 3:	Operation and Performance Data for Dual-Phase Extraction System, Vapor-Phase
	Table 4:	Operation and Performance Data for Dual-Phase Extraction System, Liquid-Phase
	Plate 1:	Site Vicinity Map
	Plate 2:	Select Analytical Results
	Plate 3:	Groundwater Elevation Map
	Attachment A:	Groundwater Sampling Protocol
	Attachment B:	Laboratory Analytical Report and Chain-of-Custody Record
	Attachment C:	ERI SOP-25: "Hydrocarbons Removed from a Vadose Well"
	Attachment D:	Waste Disposal Documentation

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 1 of 9)

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	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	---	18.6 e	<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
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
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



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 9)

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	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	Nov-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	---	0.90 e	<0.50	<0.50	<0.50
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
<b>MW9C</b>	<b>06/26/06</b>	<b>14.16</b>	<b>6.36</b>	<b>7.80</b>	<b>NLPH</b>	<b>350</b>	<b>---</b>	<b>300</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>
MW9D	11/02/95	12.90	---	---	---	---	---	---	---	---	---	---
MW9D	04/26/96	12.90	---	---	---	---	---	---	---	---	---	---
MW9D	08/22/96	12.90	---	---	---	---	---	---	---	---	---	---
MW9D	02/24/97	12.90	---	---	---	---	---	---	---	---	---	---
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



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 4 of 9)

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	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	Nov-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
<b>MW9D</b>	<b>06/26/06</b>	<b>15.97</b>	<b>7.68</b>	<b>8.29</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>9.7</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9F	11/02/95	8.37	---	---	---	---	---	---	---	---	---	---
MW9F	04/26/96	8.37	---	---	NLPH	<50	57	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/22/96	8.37	---	---	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

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
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)
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
MW9F	01/10/01	11.38	4.30	7.08	NLPH	<50	140	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/10/01	11.38	5.20	6.18	NLPH	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9F	07/12/01	11.38	--	--	NLPH	<50	190	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/17/01 d	11.38	--	--	--	--	--	---	--	--	--	--
MW9F	10/11/01	11.38	5.82	5.56	NLPH	<50	260	---	<0.5	<0.5	<0.5	<0.5
MW9F	Nov-01	11.38	Well surveyed in compliance with AB2886 requirements.									
MW9F	01/11/02	11.38	5.12	6.26	NLPH	<100	67.0e	---	<1.00	<1.00	<1.00	<1.00
MW9F	04/12/02	11.38	5.50	5.88	NLPH	55.9	58.6	---	<0.50	<0.50	<0.50	<0.50
MW9F	07/12/02	11.38	5.65	5.73	NLPH	102	121	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/11/02	11.38	5.67	5.71	NLPH	99.9	128	138	<0.5	<0.5	<0.5	<0.5
MW9F	01/10/03	11.38	5.09	6.29	NLPH	<50.0	45.5	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/09/03	11.38	5.39	5.99	NLPH	<50.0	50.8	---	<0.50	<0.5	<0.5	<0.5
MW9F	07/22/03	11.38	5.52	5.86	NLPH	82.3	64.0	---	<0.50	<0.5	<0.5	<0.5
MW9F	10/01/03	11.38	5.59	5.79	NLPH	67.0	--	56.4	<0.50	<0.5	<0.5	<0.5
MW9F	01/06/04	11.38	5.21	6.17	NLPH	<50.0	--	36.7	<0.50	<0.5	<0.5	<0.5
MW9F	06/07/04	11.38	6.03	5.35	NLPH	<50.0	--	20.5	<0.50	<0.5	<0.5	<0.5
MW9F	08/30/04	11.38	h	h	h	<50.0h	--	14.0h	<0.50h	<0.5h	<0.5h	<0.5h
MW9F	12/13/04	11.38	4.80	6.58	NLPH	<50.0	--	13.4	<0.50	<0.5	<0.5	<0.5
MW9F	03/14/05	11.38	5.10	6.28	NLPH	<50.0	--	4.20	<0.50	<0.5	<0.5	<0.5
MW9F	06/08/05	11.38	5.38	6.00	NLPH	<50.0	--	8.70	<0.50	<0.5	<0.5	<0.5
MW9F	09/01/05	11.38	5.53	5.85	NLPH	<50.0	---	19.6	<0.50	<0.50	<0.50	<0.50
MW9F	12/09/05 j	11.38	---	---	---	---	---	---	---	---	---	---
MW9F	12/30/05	11.38	4.81	6.57	NLPH	<50.0	---	7.01	<0.50	<0.50	<0.50	<0.50
MW9F	03/07/06 j	11.38	---	---	---	---	---	---	---	---	---	---
MW9F	06/26/06 j	11.38	---	---	---	---	---	---	---	---	---	---
MW9G	11/02/95	9.95	5.92	4.03	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/26/96	9.95	5.28	4.67	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/22/96	9.95	5.57	4.38	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/24/97	9.95	5.30	4.65	NLPH	<50	240	---	<0.5	0.57	<0.5	0.62
MW9G	03/16/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	04/21/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	07/22/98	12.99	---	---	---	---	---	---	---	---	---	---
MW9G	12/22/98	12.99	5.28	7.71	NLPH	<50	1,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/26/99	12.99	5.31	7.68	NLPH	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/99	12.99	5.18	7.81	NLPH	<1,000	3,990	---	<10	<10	<10	<10

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
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	08/03/99	12.99	6.00	6.99	NLPH	<50	1,340	---	<0.5	<0.5	<0.5	<0.5
MW9G	12/03/99	12.99	5.27	7.72	NLPH	<50	<2	---	<0.5	<0.5	<0.5	0.55 b
MW9G	02/29/00	12.99	4.60	8.39	NLPH	<50	7,900	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/00	12.99	5.16	7.83	NLPH	<50	2,400	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/24/00	12.99	5.20	7.79	NLPH	<50	1,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	10/09/00	12.99	5.26	7.73	NLPH	<50	180	---	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/01	12.99	5.18	7.81	NLPH	<50	1,200	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/10/01	12.99	5.08	7.91	NLPH	<50	9,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/12/01	12.99	--	--	NLPH	<50	3,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/17/01 d	12.99	---	---	---	---	---	---	---	---	---	---
MW9G	10/11/01	12.99	5.48	7.51	NLPH	<50	1,600	---	<0.5	<0.5	<0.5	<0.5
MW9G	Nov-01	12.98	Well surveyed in compliance with AB2886 requirements.									
MW9G	01/11/02	12.98	4.97	8.01	NLPH	419e	945e	---	<0.50	<0.50	<0.50	<0.50
MW9G	04/12/02	12.98	5.12	7.86	NLPH	10,700	11,000	---	<0.50	<0.50	<0.50	<0.50
MW9G	07/12/02	12.98	5.31	7.67	NLPH	2,310	3,140	---	<0.5	<0.5	<0.5	<0.5
MW9G	10/11/02	12.98	5.39	7.59	NLPH	1,630	2,040	2,090	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/03	12.98	4.90	8.08	NLPH	367	566	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/09/03	12.98	5.15	7.83	NLPH	3,730	3,990	---	<0.50	<0.5	<0.5	<0.5
MW9G	07/22/03	12.98	5.30	7.68	NLPH	1,070	968	---	<0.50	<0.5	<0.5	<0.5
MW9G	10/01/03	12.98	5.41	7.57	NLPH	1,300	---	1,570	<0.50	<0.5	<0.5	<0.5
MW9G	01/06/04	12.98	4.92	8.06	NLPH	568	---	918	<0.50	<0.5	<0.5	<0.5
MW9G	06/07/04	12.98	5.49	7.49	NLPH	457	---	324	<0.50	<0.5	<0.5	<0.5
MW9G	08/30/04	12.98	h	h	h	428h	---	369h	<0.50h	<0.5h	<0.5h	<0.5h
MW9G	12/13/04	12.98	5.01	7.97	NLPH	1,030	---	1,030	<0.50	<0.5	<0.5	<0.5
MW9G	03/14/05	12.98	4.98	8.00	NLPH	395	---	451	<0.50	<0.5	<0.5	<0.5
MW9G	06/08/05	12.98	5.54	7.44	NLPH	333	---	404	<0.50	<0.5	<0.5	<0.5
MW9G	09/01/05	12.98	6.35	6.63	NLPH	218	---	308	<0.50	<0.50	<0.50	0.63
MW9G	12/09/05 j	12.98	---	---	---	---	---	---	---	---	---	---
MW9G	12/30/05	12.98	4.83	8.15	NLPH	75.3	---	69.9	<0.50	<0.50	<0.50	<0.50
MW9G	03/07/06 j	12.98	---	---	---	---	---	---	---	---	---	---
MW9G	06/26/06 j	12.98	---	---	---	---	---	---	---	---	---	---
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

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
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	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	Nov-01	11.59	Well surveyed in compliance with AB2886 requirements.									
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	---	---	---	---	---	---	---	---	---	---
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
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

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 8 of 9)

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	07/24/00	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	Nov-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	---	4.80 e	<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
<b>MW9I</b>	<b>06/26/06</b>	<b>13.13</b>	<b>5.30</b>	<b>7.83</b>	<b>NLPH</b>	<b>&lt;50</b>	<b>---</b>	<b>3.7</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 9 of 9)

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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.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured or sampled or 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. No samples were 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.



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 2 of 4)

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)
MW9C	08/30/04	---	---	---	---	---	---	<50.0j
MW9C	12/13/04	---	---	---	---	---	---	---
MW9C	03/14/05	<0.50	<0.50	674	<0.50	<0.50	<0.50	<50.0
MW9C	06/08/05	<0.50	<0.50	817	<0.50	<0.50	<0.50	<100
MW9C	09/01/05	---	---	---	---	---	---	---
MW9C	12/09/05	---	---	---	---	---	---	---
MW9C	12/30/05	---	---	---	---	---	---	---
MW9C	03/07/06	<2.5	<2.5	160	<2.5	<2.5	<2.5	---
<b>MW9C</b>	<b>06/26/06</b>	---	---	---	---	---	---	---
MW9D	11/02/95 - 07/12/02 Not analyzed for these analytes.							
MW9D	10/11/02 g	---	---	---	---	---	---	---
MW9D	01/10/03	---	---	---	---	---	---	---
MW9D	04/09/03	---	---	---	---	---	---	---
MW9D	07/22/03	---	---	---	---	---	---	---
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	---
<b>MW9D</b>	<b>06/26/06</b>	---	---	---	---	---	---	---
MW9F	11/02/95 - 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	---	---	---	---	---	---	---
<b>MW9F</b>	<b>06/26/06 j</b>	---	---	---	---	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 4)

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)
MW9G	11/02/95 - 07/12/02	Not analyzed for these analytes.						
MW9G	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9G	01/10/03	---	---	---	---	---	---	---
MW9G	04/09/03	---	---	---	---	---	---	---
MW9G	07/22/03	---	---	---	---	---	---	---
MW9G	10/01/03	<0.50	<0.50	17.1	<0.50	<0.50	<0.50	---
MW9G	01/06/04	<0.50	<0.50	367	<0.50	<0.50	<0.50	---
MW9G	06/07/04	---	---	---	---	---	---	<50.0
MW9G	08/30/04	---	---	---	---	---	---	<50.0j
MW9G	12/13/04	---	---	---	---	---	---	---
MW9G	03/14/05	<0.50	<0.50	569	<0.50	<0.50	<0.50	<50.0
MW9G	06/08/05	<0.50	<0.50	150	<0.50	<0.50	<0.50	<100
MW9G	09/01/05	---	---	---	---	---	---	---
MW9G	12/09/05 j	---	---	---	---	---	---	---
MW9G	12/30/05	---	---	---	---	---	---	---
MW9G	03/07/06 j	---	---	---	---	---	---	---
<b>MW9G</b>	<b>06/26/06 j</b>	---	---	---	---	---	---	---
MW9H	11/02/95	---	---	---	<50	<10	<0.5	<0.5
MW9H	04/26/96 - 07/12/02	Not analyzed for these analytes.						
MW9H	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9H	01/10/03	---	---	---	---	---	---	---
MW9H	04/09/03	---	---	---	---	---	---	---
MW9H	07/22/03	---	---	---	---	---	---	---
MW9H	10/01/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9H	01/06/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9H	06/07/04	---	---	---	---	---	---	<50.0
MW9H	08/30/04	---	---	---	---	---	---	<50.0j
MW9H	12/13/04	---	---	---	---	---	---	---
MW9H	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9H	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9H	09/01/05	---	---	---	---	---	---	---
MW9H	12/09/05 j	---	---	---	---	---	---	---
MW9H	12/30/05	---	---	---	---	---	---	---
MW9H	03/07/06 j	---	---	---	---	---	---	---
<b>MW9H</b>	<b>06/26/06 j</b>	---	---	---	---	---	---	---
MW9I	11/02/95 - 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	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 4 of 4)

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)
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
<b>MW9I</b>	<b>06/26/06</b>	---	---	---	---	---	---	<b>&lt;100</b>

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.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured or sampled or 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. No samples were taken.
d	=	Well inaccessible.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory 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.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 7-0236  
2200 East 12th Street  
Oakland, California  
(Page 1 of 1)

Well ID	Date Well Installed	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet)	Well Depth (feet)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
MW9A	06/10/88	14.51	8	18	NS	NS	NS	NS	NS	NS	NS
MW9B	06/10/88	12.84	8	20	NS	NS	NS	NS	NS	NS	NS
MW9C	06/10/88	14.16	8	17	NS	NS	NS	NS	NS	NS	NS
MW9D	10/05/88	15.97	12	16.5	14	NS	NS	5-14	NS	NS	NS
MW9E	10/05/88	NS	12	18.5	14	NS	NS	5-14	NS	NS	NS
MW9F	11/23/88	11.38	8	16	14	NS	NS	4-14	NS	NS	NS
MW9G	11/22/88	12.98	8	16.5	14	NS	NS	5-14	NS	NS	NS
MW9H	11/23/88	11.59	8	16.5	14	NS	NS	5-14	NS	NS	NS
MW9I	11/02/90	13.13	12	16	16	NS	NS	4-14	NS	NS	NS
DPE1	06/05/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE2	06/04/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE3	06/04/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE4	06/05/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
VP1	01/11/01	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand
VP2	01/11/01	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand

Notes:

- TOC = Top of well casing elevation; datum is mean sea level.
- NS = Not specified.
- PVC = Polyvinyl chloride.





**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 4)

DATE	FIELD MEASUREMENTS								LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lb/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	3,875	6,841	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	< 5.000	< 0.500	< 0.500	< 8.75	< 1,161.62	< 0.64	< 46.69	< 0.62	< 9.78	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	1.78	0.902	< 0.19	< 1,161.81	< 0.01	< 46.69	< 0.01	< 9.79	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	< 0.08	< 46.77	< 0.12	< 9.92	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	< 0.500	< 0.500	< 0.27	< 1,164.78	< 0.03	< 46.79	< 0.03	< 9.94	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	< 0.500	< 0.500	< 0.68	< 1,165.46	< 0.05	< 46.85	< 0.05	< 10.00	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	1.77	7.62	< 4.30	< 1,169.76	< 0.93	< 47.78	< 0.26	< 10.26	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	< 0.500	< 0.500	< 1.11	< 1,170.87	< 0.26	< 48.04	< 0.07	< 10.33	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	< 0.500	< 0.500	< 0.00	< 1,170.87	< 0.00	< 48.04	< 0.00	< 10.33	100.00	0.0042

**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 4 of 4)

DATE	FIELD MEASUREMENTS									LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lb/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)		
03/03/06	Lab results received, restart system.																			
03/03/06	5,621	8,587	72	19	0.0	800	53	A-INF	0.0	< 5.00	< 0.500	3.47	< 0.10	< 1,170.97	< 0.04	< 48.08	< 0.01	< 10.34	100.00	0.0033
03/09/06	System shut down, awaiting permit renewal.																			
	A-EFF	0.0	< 5.00	< 0.500	< 0.500															

Notes:

- A-INF = Influent vapor sample.
- A-EFF = Effluent vapor sample.
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
- Benzene = Benzene analyzed using EPA Method 8021B.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
- Temp = Temperature of vapor stream.
- deg F = Degrees Fahrenheit.
- \*Hg = Inches of mercury vacuum.
- \*H<sub>2</sub>O = Inches of water column.
- PID = Photo-ionization detector measurement.
- acfm = Actual cubic feet per minute.
- scfm = Standard cubic feet per minute.
- deg F = Degrees Fahrenheit.
- ppmv = Parts per million by volume.
- = Not sampled/Not analyzed/Not measured/Not calculated/Not applicable.







**TABLE 4**  
**OPERATION AND PERFORMANCE DATA**  
**FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 5)

Date	System Hours (hrs)	Eff. Totalizer Reading (gal)	Average Flowrate (gpm)	Total Flow per period (gal)	Sample I.D.	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)	
04/08/05	2266	199,470	0.00	0	W-INF	116	163	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5	120	0.089	< 1.499	< 0.00011	< 0.0126	0.0152	0.893
					W-INT1	142	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-INT2	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-EFF	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
05/05/05	System down.																		
05/13/05	2269	199,470	0.00	0	W-INF	214	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5	85.8	0.0000	< 1.499	0.0000	< 0.0126	0.0000	0.893
					W-INT1	187	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-PSP-1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
05/20/05	System down on arrival. Restarted. Running on departure.																		
05/20/05	NM	200,480	0.10	1,010															
05/27/05	2456	217,480	1.69	17,000															
06/08/05	2604	236,100	1.08	18,620	W-INF	182	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5	170	0.061	< 1.559	< 0.00015	< 0.0127	0.0391	0.932
					W-INT1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-EFF	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
06/10/05	2772	246,610	3.65	10,510															
06/17/05	2941	252,790	0.61	6,180															
06/24/05	3104	262,930	1.01	10,140															
07/01/05	3273	272,060	0.91	9,130															
07/08/05	3441	281,210	0.91	9,150															
07/15/05	3510	284,580	0.33	3,370															
07/22/05	3675	292,200	0.76	7,620	W-INF	92.8	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5	88.9	0.064	< 1.624	< 0.00023	< 0.0130	0.0606	0.993
					W-INT1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
					W-EFF	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5							
07/29/05	3844	299,140	0.72	6,940															
08/05/05	3860	299,910	0.08	770	W-INF	58.6	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	46.5	0.005	< 1.628	< 0.00003	< 0.0130	0.0044	0.9974
					W-INT1	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500							
					W-INT2	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500							
					W-PSP-1	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500							
08/12/05	3860	299,910	0.00	0															
08/19/05	3867	300,120	0.02	210															
09/23/05	3882	300,370	0.00	250															
09/30/05	4048	306,340	0.59	5,970															
10/07/05	4217	312,670	0.63	6,330	W-INF	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	45.5	< 0.006	< 1.634	< 0.00005	< 0.0130	0.0049	1.0023
					W-INT1	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-INT2	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
					W-PSP-1	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
10/14/05	4386	320,120	0.74	7,450															
10/21/05	4400	321,060	0.09	940															
10/28/05	4564	329,550	0.84	8,490															



**TABLE 4**  
**OPERATION AND PERFORMANCE DATA**  
**FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**

Former Exxon Service Station 7-0238

2200 East 12th Street

Oakland, California

(Page 5 of 5)

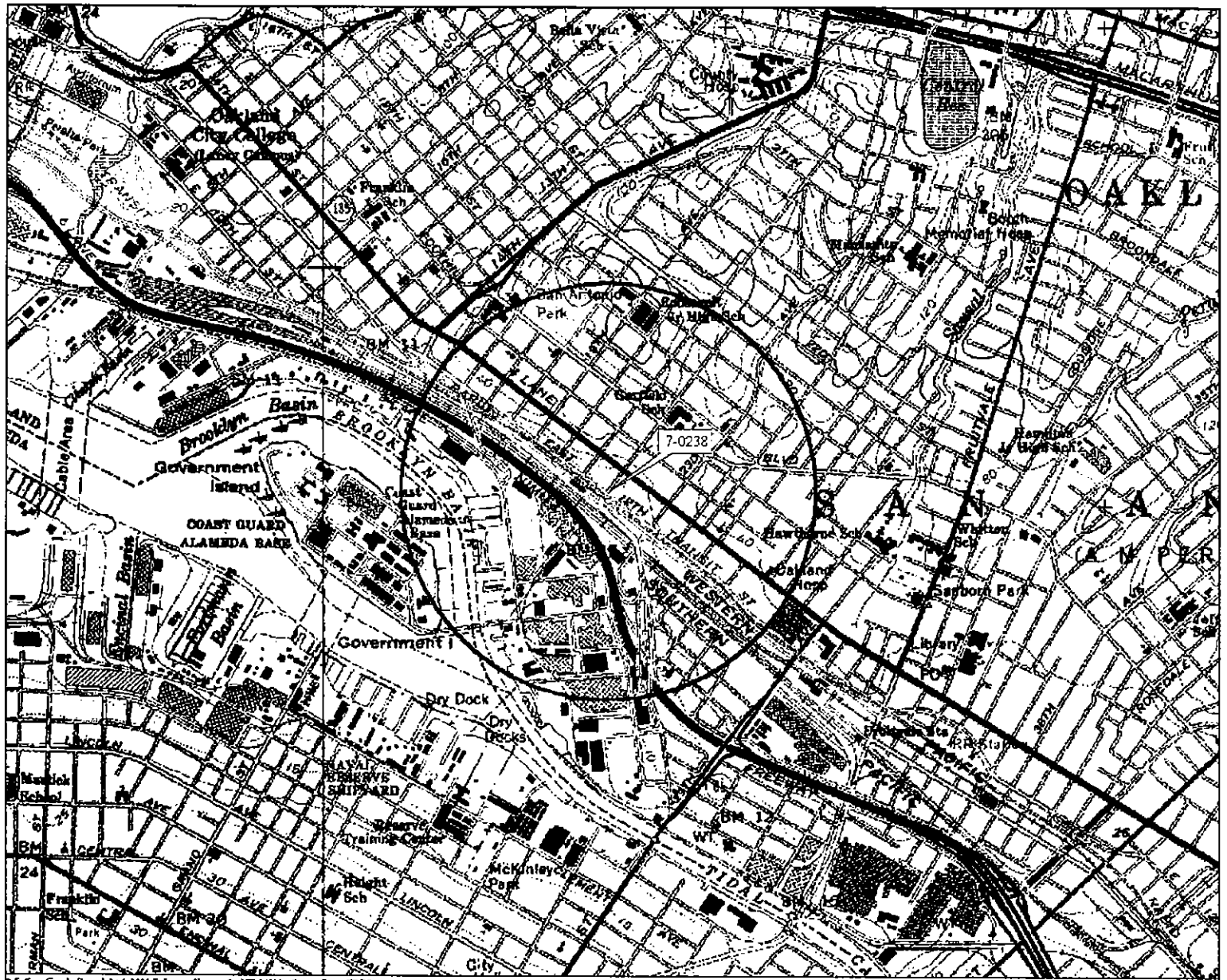
---

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.
hrs	=	Hours.
gal	=	Gallons.
gpm	=	Gallons per minute.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015m.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015m.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
µg/L	=	Micrograms per liter.
<	=	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 COC and lab report.
d	=	Sample inadvertently misdated by laboratory. Correct sampling date is shown.

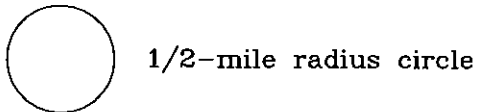
\* If value is below laboratory reporting limit, then detection limit value is used for removal calculations.

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

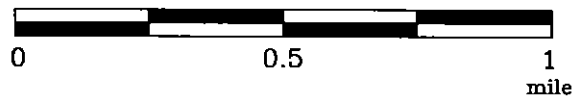


FN 2293TOPO

**EXPLANATION**



**APPROXIMATE SCALE**



SOURCE:  
 Modified from a map  
 provided by  
 DeLorme 3-D TopoQuads

**SITE VICINITY MAP**

FORMER EXXON SERVICE STATION 7-0238  
 2200 East 12th Street  
 Oakland, California

**PROJECT NO.**

2293

**PLATE**

1



Analyte Concentrations in ug/L  
 Sampled June 28, 2008

390 Total Petroleum Hydrocarbons  
 as gasoline

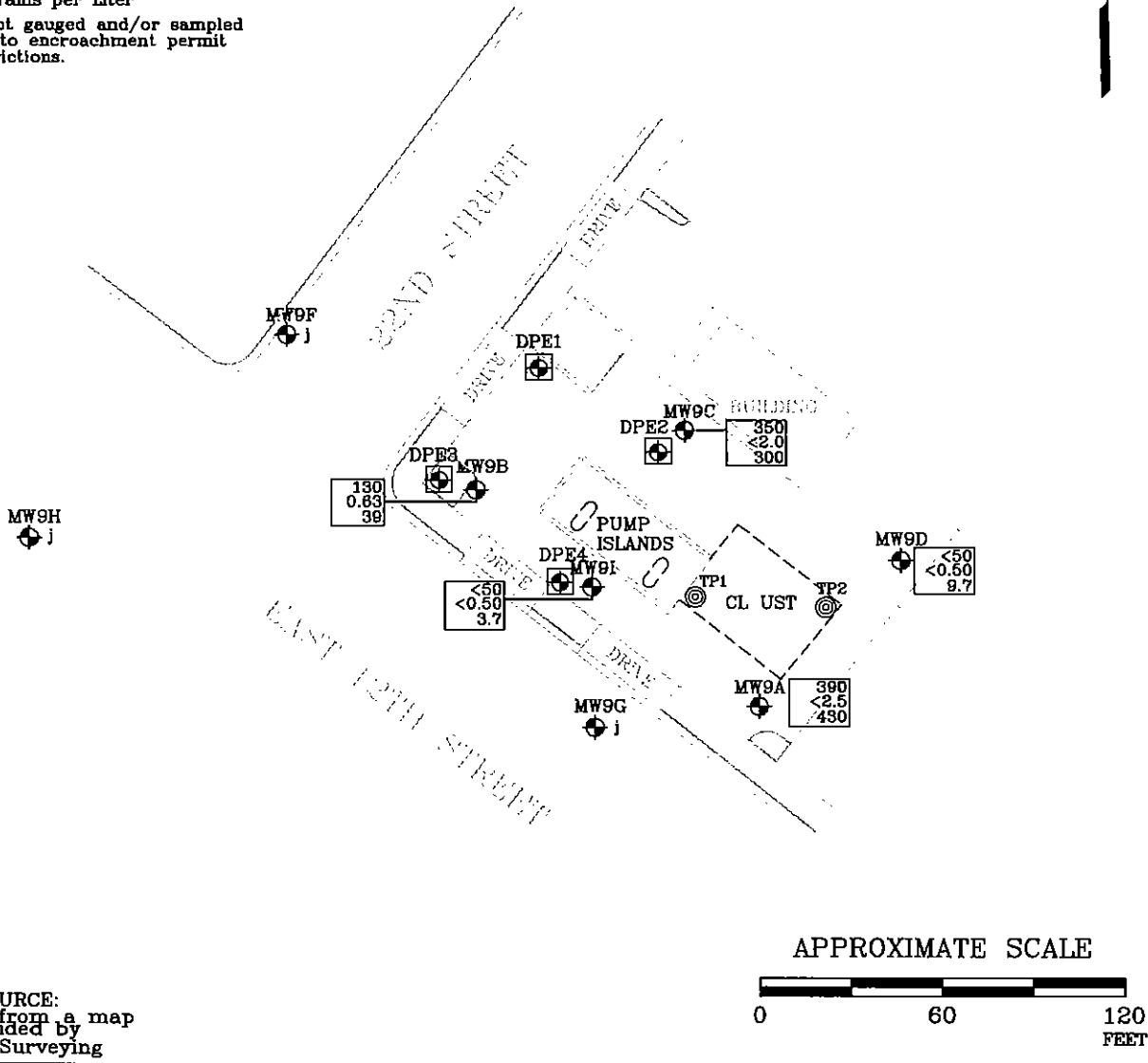
<2.5 Benzene

430 Methyl Tertiary Butyl Ether  
 (EPA Method 8260B)

< Less Than the Stated Laboratory  
 Reporting Limit

ug/L Micrograms per Liter

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



SOURCE:  
 Modified from a map  
 provided by  
 Morrow Surveying

FN: 22930005\_QM

**EXPLANATION**

MW9I  
 Groundwater Monitoring Well

DPE4  
 Dual-Phase Extraction Well

TP2  
 Tank Pit Well



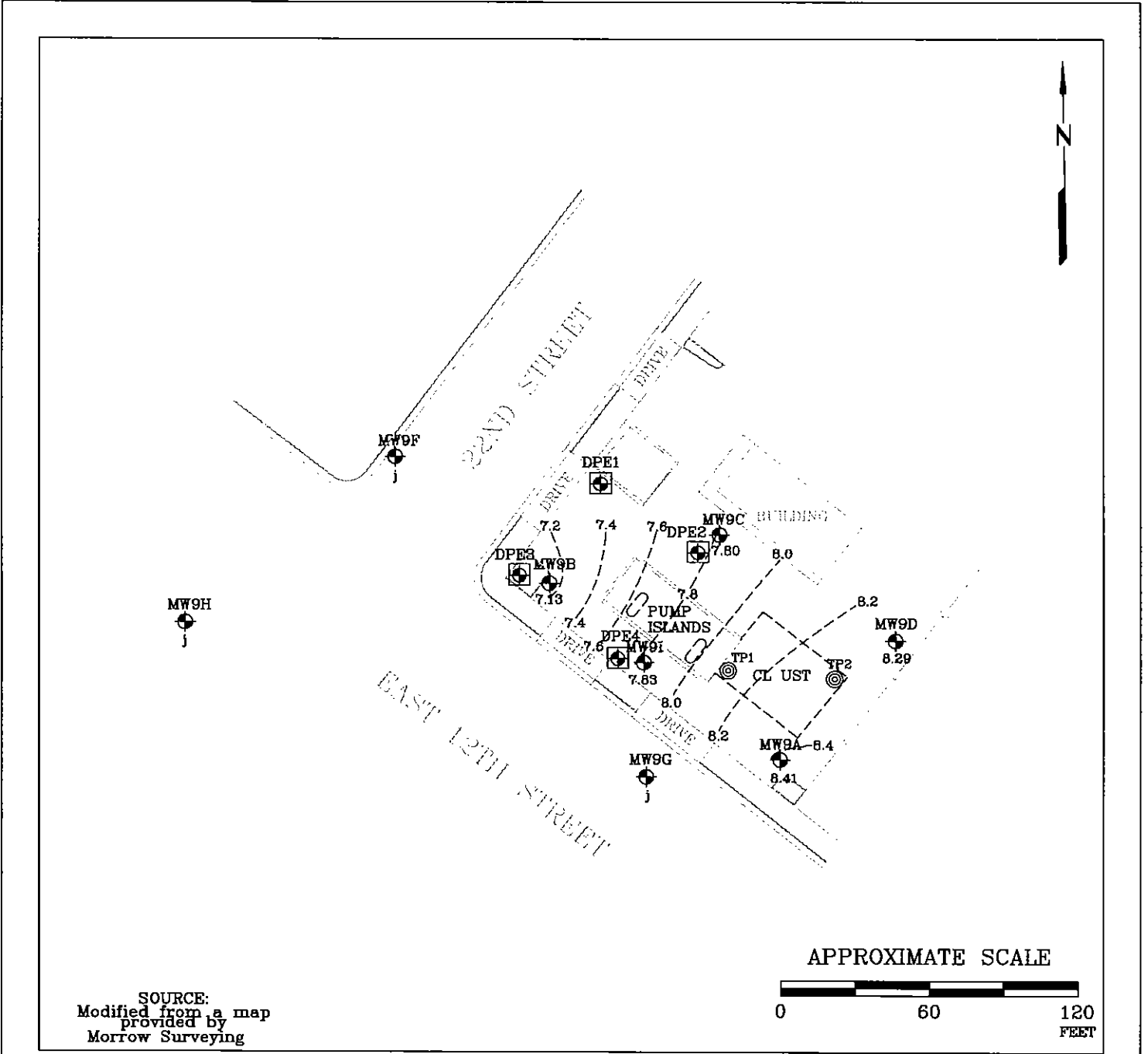
**SELECT ANALYTICAL RESULTS**  
**June 26, 2006**  
 FORMER EXXON SERVICE STATION 7-0238  
 2200 East 12th Street  
 Oakland, California

PROJECT NO.

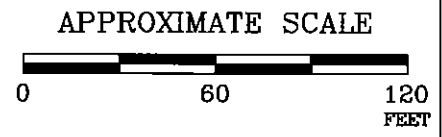
2293

PLATE

2



SOURCE:  
 Modified from a map  
 provided by  
 Morrow Surveying



FN: 22930005\_QM

**EXPLANATION**

- MW9I  
 Groundwater Monitoring Well
- 7.83  
 Groundwater elevation in feet;  
 datum is mean sea level
- 8.4 ---  
 Line of Equal Groundwater Elevation;  
 datum is mean sea level
- DPE4  
 Dual-Phase Extraction Well
- TP2  
 Tank Pit Well
- j  
 Well not gauged and/or sampled due  
 to encroachment permit restrictions.



**GROUNDWATER ELEVATION MAP**  
**June 26, 2006**  
 FORMER EXXON SERVICE STATION 7-0238  
 2200 East 12th Street  
 Oakland, California

**PROJECT NO.**  
 2293  
**PLATE**  
 3

**ATTACHMENT A**  
**GROUNDWATER SAMPLING PROTOCOL**



## GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples." The quantity of water purged from each well is calculated as follows:

1 well casing volume =  $\pi r^2 h(7.48)$  where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
$\pi$	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples." Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody form.

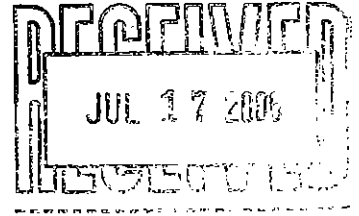
Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

**ATTACHMENT B**

**LABORATORY ANALYTICAL REPORT  
AND CHAIN-OF-CUSTODY RECORD**

16 July, 2006

Paula Sime  
Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma, CA 94954



RE: Exxon 7-0238  
Work Order: MPF0918

Enclosed are the results of analyses for samples received by the laboratory on 06/27/06 19:10. The samples arrived at a temperature of 2° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell  
Project Manager

CA ELAP Certificate #1210

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
QCBB	MPF0918-01	Water	06/26/06 19:00	06/27/06 19:10
MW9A	MPF0918-02	Water	06/26/06 14:55	06/27/06 19:10
MW9B	MPF0918-03	Water	06/26/06 14:30	06/27/06 19:10
MW9C	MPF0918-04	Water	06/26/06 14:45	06/27/06 19:10
MW9D	MPF0918-05	Water	06/26/06 13:55	06/27/06 19:10
MW9I	MPF0918-06	Water	06/26/06 13:30	06/27/06 19:10

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPF0918 Reported: 07/16/06 16:00
---	--	--

MW9A (MPF0918-02) Water Sampled: 06/26/06 14:55 Received: 06/27/06 19:10

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ethanol	ND	1000	ug/l	10	6G03001	07/03/06	07/03/06	EPA 8260B	
<b>Methyl tert-butyl ether</b>	<b>430</b>	5.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %	60-115		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %	75-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %	70-130		"	"	"	"	

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPF0918 Reported: 07/16/06 16:00
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MW9A (MPF0918-02RE1) Water Sampled: 06/26/06 14:55 Received: 06/27/06 19:10

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Gasoline Range Organics (C4-C12)</b>	<b>390</b>	<b>250</b>	ug/l	5	6F30011	06/30/06	06/30/06	EPA 8015B/8021B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>104 %</i>		<i>85-120</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96 %</i>		<i>75-125</i>					

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPF0918 Reported: 07/16/06 16:00
---	--	--

MW9B (MPF0918-03) Water Sampled: 06/26/06 14:30 Received: 06/27/06 19:10

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Gasoline Range Organics (C4-C12)</b>	<b>130</b>	<b>50</b>	ug/l	1	6F29004	06/29/06	06/29/06	EPA 8015B/8021B	
<b>Benzene</b>	<b>0.63</b>	<b>0.50</b>	"	"	"	"	"	"	
<b>Toluene</b>	<b>ND</b>	<b>0.50</b>	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.53</b>	<b>0.50</b>	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.53</b>	<b>0.50</b>	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>104 %</i>		<i>85-120</i>	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>98 %</i>		<i>75-125</i>	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Methyl tert-butyl ether</b>	<b>39</b>	<b>0.50</b>	ug/l	1	6G03001	07/03/06	07/03/06	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>91 %</i>		<i>60-145</i>	"	"	"	"	

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

MW9C (MPF0918-04) Water Sampled: 06/26/06 14:45 Received: 06/27/06 19:10

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Gasoline Range Organics (C4-C12)</b>	<b>350</b>	<b>200</b>	ug/l	4	6F29004	06/29/06	06/29/06	EPA 8015B/8021B	
Benzene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		106 %		85-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99 %		75-125	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Methyl tert-butyl ether</b>	<b>300</b>	<b>2.5</b>	ug/l	5	6G03001	07/03/06	07/03/06	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89 %		60-145	"	"	"	"	



Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPF0918 Reported: 07/16/06 16:00
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MW9D (MPF0918-05) Water Sampled: 06/26/06 13:55 Received: 06/27/06 19:10

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6F29004	06/29/06	06/29/06	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		108 %	85-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Methyl tert-butyl ether</b>	<b>9.7</b>	0.50	ug/l	1	6G03001	07/03/06	07/03/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		91 %	60-145		"	"	"	"	

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

MW9I (MPF0918-06) Water Sampled: 06/26/06 13:30 Received: 06/27/06 19:10

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6F29004	06/29/06	06/29/06	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %	85-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98 %	75-125	"	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ethanol	ND	100	ug/l	1	6G03001	07/03/06	07/03/06	EPA 8260B	
<b>Methyl tert-butyl ether</b>	<b>3.7</b>	<b>0.50</b>	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %	60-115	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %	75-130	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %	70-130	"	"	"	"	"	

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

### TestAmerica - Morgan Hill, CA

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 6F29004 - EPA 5030B [P/T]

##### Blank (6F29004-BLK1)

Prepared & Analyzed: 06/29/06

Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	87.3		"	80.0		109	85-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	78.3		"	80.0		98	75-125			

##### LCS (6F29004-BS1)

Prepared & Analyzed: 06/29/06

Gasoline Range Organics (C4-C12)	217	50	ug/l	275		79	60-115			
Benzene	4.74	0.50	"	4.85		98	45-150			
Toluene	24.1	0.50	"	23.5		103	70-115			
Ethylbenzene	4.59	0.50	"	4.70		98	65-115			
Xylenes (total)	26.8	0.50	"	26.5		101	70-115			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	83.5		"	80.0		104	85-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	80.6		"	80.0		101	75-125			

##### Matrix Spike (6F29004-MS1)

Source: MPF0918-02

Prepared & Analyzed: 06/29/06

Gasoline Range Organics (C4-C12)	1410	250	ug/l	1380	340	78	60-115			
Benzene	22.6	2.5	"	24.2	ND	93	45-150			
Toluene	120	2.5	"	118	ND	102	70-115			
Ethylbenzene	22.2	2.5	"	23.5	ND	94	65-115			
Xylenes (total)	128	2.5	"	132	ND	97	70-115			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	84.7		"	80.0		106	85-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	81.0		"	80.0		101	75-125			

##### Matrix Spike Dup (6F29004-MSD1)

Source: MPF0918-02

Prepared & Analyzed: 06/29/06

Gasoline Range Organics (C4-C12)	1360	250	ug/l	1380	340	74	60-115	4	20	
Benzene	21.1	2.5	"	24.2	ND	87	45-150	7	25	
Toluene	108	2.5	"	118	ND	92	70-115	11	20	
Ethylbenzene	21.0	2.5	"	23.5	ND	89	65-115	6	25	
Xylenes (total)	118	2.5	"	132	ND	89	70-115	8	25	

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPF0918 Reported: 07/16/06 16:00
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**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6F29004 - EPA 5030B [P/T]**

**Matrix Spike Dup (6F29004-MSD1)** Source: MPF0918-02 Prepared & Analyzed: 06/29/06

Surrogate: a,a,a-Trifluorotoluene	80.1		ug/l	80.0		100	85-120			
Surrogate: 4-Bromofluorobenzene	80.9		"	80.0		101	75-125			

**Batch 6F30011 - EPA 5030B [P/T]**

**Blank (6F30011-BLK1)** Prepared & Analyzed: 06/30/06

Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: a,a,a-Trifluorotoluene	88.8		"	80.0		111	85-120			
Surrogate: 4-Bromofluorobenzene	78.5		"	80.0		98	75-125			

**LCS (6F30011-BS1)** Prepared & Analyzed: 06/30/06

Gasoline Range Organics (C4-C12)	204	50	ug/l	275		74	60-115			
Benzene	4.62	0.50	"	4.85		95	45-150			
Toluene	22.6	0.50	"	23.5		96	70-115			
Ethylbenzene	4.30	0.50	"	4.70		91	65-115			
Xylenes (total)	25.1	0.50	"	26.5		95	70-115			
Surrogate: a,a,a-Trifluorotoluene	85.1		"	80.0		106	85-120			
Surrogate: 4-Bromofluorobenzene	78.7		"	80.0		98	75-125			

**Matrix Spike (6F30011-MS1)** Source: MPF0960-03 Prepared & Analyzed: 06/30/06

Gasoline Range Organics (C4-C12)	1360	250	ug/l	1380	470	64	60-115			
Benzene	121	2.5	"	24.2	120	4	45-150			QM05
Toluene	108	2.5	"	118	ND	92	70-115			
Ethylbenzene	47.6	2.5	"	23.5	31	71	65-115			
Xylenes (total)	124	2.5	"	132	9.8	87	70-115			
Surrogate: a,a,a-Trifluorotoluene	80.1		"	80.0		100	85-120			
Surrogate: 4-Bromofluorobenzene	78.6		"	80.0		98	75-125			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6F30011 - EPA 5030B [P/T]**

**Matrix Spike Dup (6F30011-MSD1)**

Source: MPF0960-03

Prepared & Analyzed: 06/30/06

Gasoline Range Organics (C4-C12)	1300	250	ug/l	1380	470	60	60-115	5	20	
Benzene	129	2.5	"	24.2	120	37	45-150	6	25	QM05
Toluene	100	2.5	"	118	ND	85	70-115	8	20	
Ethylbenzene	49.1	2.5	"	23.5	31	77	65-115	3	25	
Xylenes (total)	118	2.5	"	132	9.8	82	70-115	5	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>81.9</i>		<i>"</i>	<i>80.0</i>		<i>102</i>	<i>85-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>79.6</i>		<i>"</i>	<i>80.0</i>		<i>100</i>	<i>75-125</i>			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6G03001 - EPA 5030B P/T**

**Blank (6G03001-BLK1)**

Prepared & Analyzed: 07/03/06

tert-Amyl methyl ether	ND	0.25	ug/l							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Methyl tert-butyl ether	ND	0.25	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.22		"	2.50		89	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.22		"	2.50		89	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.25		"	2.50		90	75-130			
<i>Surrogate: Toluene-d8</i>	2.34		"	2.50		94	70-130			

**LCS (6G03001-BS1)**

Prepared & Analyzed: 07/03/06

tert-Amyl methyl ether	15.4	0.50	ug/l	15.0		103	65-135			
tert-Butyl alcohol	181	20	"	143		127	60-135			
Di-isopropyl ether	16.2	0.50	"	15.1		107	70-130			
1,2-Dibromoethane (EDB)	16.1	0.50	"	14.9		108	85-125			
1,2-Dichloroethane	15.8	0.50	"	14.7		107	75-125			
Ethanol	224	100	"	142		158	15-150			QC01
Ethyl tert-butyl ether	15.2	0.50	"	15.0		101	65-130			
Methyl tert-butyl ether	7.50	0.50	"	7.02		107	50-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.27		"	2.50		91	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.32		"	2.50		93	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.25		"	2.50		90	75-130			
<i>Surrogate: Toluene-d8</i>	2.36		"	2.50		94	70-130			

**Matrix Spike (6G03001-MS1)**

Source: MPF0875-15

Prepared & Analyzed: 07/03/06

tert-Amyl methyl ether	153	5.0	ug/l	150	ND	102	65-135			
tert-Butyl alcohol	1940	200	"	1430	ND	136	60-135			QM01
Di-isopropyl ether	159	5.0	"	151	ND	105	70-130			
1,2-Dibromoethane (EDB)	157	5.0	"	149	ND	105	85-125			

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6G03001 - EPA 5030B P/T**

<b>Matrix Spike (6G03001-MS1)</b>		<b>Source: MPF0875-15</b>			<b>Prepared &amp; Analyzed: 07/03/06</b>					
1,2-Dichloroethane	153	5.0	ug/l	147	ND	104	75-125			
Ethanol	3660	1000	"	1420	ND	258	15-150			QC01
Ethyl tert-butyl ether	146	5.0	"	150	ND	97	65-130			
Methyl tert-butyl ether	189	5.0	"	70.2	120	98	50-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.21		"	2.50		88	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.23		"	2.50		89	75-130			
<i>Surrogate: Toluene-d8</i>	2.42		"	2.50		97	70-130			
<b>Matrix Spike Dup (6G03001-MSD1)</b>		<b>Source: MPF0875-15</b>			<b>Prepared &amp; Analyzed: 07/03/06</b>					
tert-Amyl methyl ether	154	5.0	ug/l	150	ND	103	65-135	0.7	25	
tert-Butyl alcohol	2080	200	"	1430	ND	145	60-135	7	35	QM01
Di-isopropyl ether	161	5.0	"	151	ND	107	70-130	1	35	
1,2-Dibromoethane (EDB)	159	5.0	"	149	ND	107	85-125	1	15	
1,2-Dichloroethane	154	5.0	"	147	ND	105	75-125	0.7	10	
Ethanol	4370	1000	"	1420	ND	308	15-150	18	35	QC01
Ethyl tert-butyl ether	149	5.0	"	150	ND	99	65-130	2	35	
Methyl tert-butyl ether	194	5.0	"	70.2	120	105	50-140	3	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.22		"	2.50		89	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.53		"	2.50		101	60-115			
<i>Surrogate: Dibromofluoromethane</i>	2.14		"	2.50		86	75-130			
<i>Surrogate: Toluene-d8</i>	2.40		"	2.50		96	70-130			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Exxon 7-0238  
Project Number: 7-0238  
Project Manager: Paula Sime

MPF0918  
Reported:  
07/16/06 16:00

### Notes and Definitions

- QM05 The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM01 The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QC01 The percent recovery was above the control limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



CHAIN OF CUSTODY RECORD



408-776-9600  
Morgan Hill Division  
885 Jarvis Drive  
Morgan Hill, CA 95037



Consultant Name: Environmental Resolutions, Inc.  
Address: 801 N. McDowell Blvd  
City/State/Zip: Petaluma, California 94954  
Project Manager: Paula Slime  
Telephone Number: (707) 766-2000  
ERI Job Number: 229313X  
Sampler Name: (Print) *Orin A. Noto*  
Sampler Signature: *[Signature]*  
 Lab Courier  Hand Deliver  Commercial Express  Other:

ExxonMobil Engineer: Jennifer Sedlachek  
Telephone Number: (510) 547-8196  
Account #: 10228  
PO #:  
Facility ID #: 70238  
Global ID#: T0600101343  
Site Address: 2200 East 12th Street  
City, State Zip: Oakland, California

TAT <input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	PROVIDE: EDF Report	Special Instructions: <i>MPF0918</i>						Matrix			Analyze For:					
		DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHg 8015B	BTEX 8021B	MTBE 8260B	7 CA Olys 8260B	Ethanol 8260B	
		01	6/26/06	1900			HCl	2 VOAs	X			H	O	L	D	
		02		1455			HCl	6 VOAs	X			X	X	X		X
		03		1430			HCl	6 VOAs	X			X	X	X		
		04		1445			HCl	6 VOAs	X			X	X	X		
		05		1355			HCl	6 VOAs	X			X	X	X		
							HCl	6 VOAs	X			X	X	X		
							HCl	6 VOAs	X			X	X	X		
							HCl	6 VOAs	X			X	X	X		
		06		1330			HCl	6 VOAs	X			X	X	X		X

Relinquished by: *[Signature]* Date: *6/26/06* Time: Received by: *[Signature]* Time: *1000* Laboratory Comments: Temperature Upon Receipt: *2-3*  
 Relinquished by: *[Signature]* Date: *6-2-06* Time: *1200* Received by TestAmerica: *[Signature]* Time: *6/27/06* Sample Containers Intact? *Y*  
*[Signature]* *6-27-06* *150* Free of Headspace? *Y*  
*[Signature]* *6/27/06* *150*

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG.

CLIENT NAME: EVT  
 REC. BY (PRINT): EH  
 WORKORDER: MPF 0918

DATE REC'D AT LAB: 6/27/06  
 TIME REC'D AT LAB: 1910  
 DATE LOGGED IN: 6/27/06

For Regulatory Purposes?  
 DRINKING WATER YES / NO  
 WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*									/ 27 / 06 (EH)
2. Chain-of-Custody <u>Present</u> / Absent*									
3. Traffic Reports or Packing List: Present / <u>Absent</u>									
4. Airbill: Airbill / Sticker Present / <u>Absent</u>									
5. Airbill #:									
6. Sample Labels: <u>Present</u> / Absent									
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*									
10. Sample received within hold time? <u>Yes</u> / No*									
11. Adequate sample volume received? <u>Yes</u> / No*									
12. Proper preservatives used? <u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <u>No</u>									
14. Read Temp: <u>2.3°C</u> Corrected Temp: <u>2.3</u> Is corrected temp 4 +/-2°C? <u>Yes</u> / No**									

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / DFF ON ICE  
 or Problem COC

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

**ATTACHMENT C**

**ERI SOP-25:  
"HYDROCARBONS REMOVED FROM A VADOSE WELL"**



**ATTACHMENT D**  
**WASTE DISPOSAL DOCUMENTATION**

2293 13X

SHIPPER NO. B 021476

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

CARRIER NO.

DATE: 6/26/06

ENVIRONMENTAL RESOLUTIONS

NAME OF CARRIER

(SCAC)

TO: ROMIC ENVIRONMENTAL TECHN. CORP. 2081 BAY ROAD EAST PALO ALTO, CA. 94303

FROM: EXXON MOBIL CORPORATION C/O ER: 601 N. MCDOWELL BOULEVARD PETALUMA, CA 94954

ROUTE: CAD 981411085 U.S. DOT Hazmat Reg. No. VEHICLE NUMBER

Table with 5 columns: NO. SHIPPING UNIT, Description of articles, special marks, and exceptions, WEIGHT (Subject to correction), Class or Rate, CHARGES (For carrier use only), Check column. Includes handwritten '64 gal' in a circle.

REMIT C.O.D. TO: ADDRESS: CITY: STATE ZIP COD AMT: \$ C.O.D. Fee: PREPAID COLLECT \$

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". Note: - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown marked, consigned, and destined as indicated above, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carload or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: EXXON MOBIL REFINING & SUPPLIES CARRIER: ENVIRONMENTAL RESOLUTIONS PER: Request of Exxon Mobil DATE: 6/27/06

EMERGENCY RESPONSE TELEPHONE NUMBER: 800-766-4248 MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION INCLUDING STORAGE INCIDENT\*\* TO TRANSPORTATION. (172.604)