

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

4096 Piedmont Avenue #194  
Oakland, California 94611  
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Jennifer C. Sedlachek  
Project Manager

20491

**ExxonMobil**  
Refining & Supply

September 27, 2005

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

Alameda County  
OCT 04 2005  
Environmental Health

**RE: Former Exxon RAS #7-3006/720 High Street, Oakland, California.**

Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled *Groundwater Monitoring Report, Third Quarter 2005*, dated September 27, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring, sampling, and remedial activities for the subject site.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

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

Sincerely,

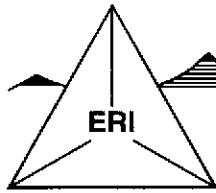


Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Groundwater Monitoring Report, Third Quarter 2005, dated September 27, 2005.

cc: w/ attachment  
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Mansour Sepehr, Ph. D., P.E.

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



**ENVIRONMENTAL RESOLUTIONS, INC.**

September 27, 2005  
ERI 201013.Q053

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

Subject: Groundwater Monitoring Report, Third Quarter 2005  
Former Exxon Service Station 7-3006  
720 High Street, Oakland, California

Environmental Health  
OCT 04 2005  
Alameda County

**INTRODUCTION**

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed third quarter 2005 groundwater monitoring and sampling activities at the subject site. Relevant tables, plates, and attachments are included at the end of this report. Currently, the site operates as a service station.

**GROUNDWATER MONITORING AND SAMPLING SUMMARY**

**Gauging and sampling date:** 08/01/05

**Wells gauged and sampled:** MW1, MW2, MW3, MW6, and MW14

**Presence of NAPL:** Not observed

**Laboratory:** TestAmerica Incorporated, Nashville, Tennessee

**Analyses performed:**

EPA 8015B	TPHd, TPHg
EPA 8021B	BTEX
EPA 8260B	MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, Ethanol

**Waste disposal:** 184 gallons purge and decon water delivered to Romic Environmental Technologies Corporation on 08/05/05

## **REMEDIAL SYSTEM SUMMARY**

Exxon Mobil's remedial efforts at the site have included excavation, product bailing, groundwater extraction, vapor extraction, air sparging, and biosparging.

In 1989, approximately 27 gallons of liquid-phase hydrocarbons (LPH) were removed from on-site wells. In 1993, petrotraps were installed in wells MW2, MW4, and MW6, and 6.3 gallons of LPH were removed. The groundwater extraction and treatment system (GET) system operated from January 1995 to December 1998, the air sparge/soil vapor extraction (AS/SVE) system operated from August 1996 to July 1999, and a biosparge system operated from July 2001 to June 2003.

### **Groundwater Extraction and Treatment System**

The GET system was designed to treat separate-phase and dissolved petroleum hydrocarbons in groundwater extracted from the interceptor trench beneath the site. The GET system operated from 1995 to 1998, and was shut down when influent concentrations decreased. Pneumatic pumps were installed in extraction wells RW2 and RW5 to recover groundwater from the interceptor trench. Subsurface and aboveground collection piping are used to transfer extracted groundwater to a holding tank. A transfer pump and polyvinyl chloride piping are used to direct the water stream from the holding tank through water filters, an air stripper, and subsequently through liquid-phase granular activated carbon canisters connected in series. The treated groundwater was discharged to the sanitary sewer regulated by East Bay Municipal Utilities District. The GET system removed approximately 10 pounds of total petroleum hydrocarbons as gasoline (TPHg) and 3 pounds of benzene.

### **Air Sparge/ Soil Vapor Extraction System**

The AS/SVE system consisted of six AS wells (AS1 through AS6) for air injection and three vadose wells (VW1 through VW3) for vapor extraction within an on-site interceptor trench, a water knock-out tank, a Thermtech VAC-25 thermal/oxidizer, a Gast air compressor, and a propane tank for supplemental fuel. The AS/SVE system operated from 1996 to 1999 and removed approximately 5,144 pounds of TPHg and 61 pounds of benzene. The AS/SVE system was shut down when influent TPHg concentrations decreased to near the laboratory reporting limits and TPHg removal rates reached asymptotic conditions.

The bio-sparge system that operated from 2001 to 2003, used an air compressor to inject air into the on-site groundwater interceptor trench to enhance biodegradation. The bio-sparge system was discontinued when it was deemed ineffective.

## **DOCUMENT DISTRIBUTION**

ERI recommends forwarding copies of this report to:

Mr. Amir Gholami  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

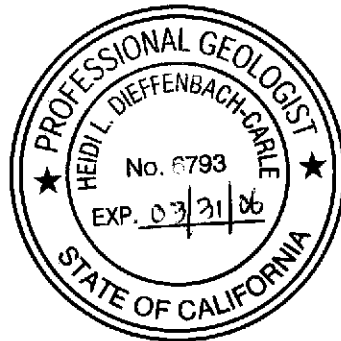
Mr. Chuck Headlee  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612

Mr. Mansour Sepehr, Ph.D., P.E.  
SOMA Environmental Engineering, Incorporated  
2680 Bishop Drive, Suite 203  
San Ramon, California 94583

**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 Navarro*

Karen L. Navarro  
Technical Writer

*Heidi Dieffenbach-Carle*

Heidi Dieffenbach-Carle  
P.G. 6793

- Attachments: Table 1A: Cumulative Groundwater Monitoring and Sampling Data
- Table 1B: Additional Cumulative Groundwater Monitoring and Sampling Data
- Table 2: Well Construction Details
  
- 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: Waste Disposal Documentation

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 1 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----µg/L----->				
									B	T	E	X	
MW1 (12.87)	01/20/94	NLPH	9.25	3.62	---	---	---	---	---	---	---	---	---
	02/02/94	NLPH	8.60	4.27	70	<50	---	---	<0.5	<0.5	<0.5	<0.5	0.7
	03/10/94	NLPH	8.31	4.58	---	---	---	---	---	---	---	---	---
	04/22/94	NLPH	7.95	4.92	---	---	---	---	---	---	---	---	---
	05/10/94	NLPH	7.48	5.39	100	<50	---	---	<0.5	<0.5	<0.5	<0.5	1.6
	06/27/94	NLPH	7.65	5.22	---	---	---	---	---	---	---	---	---
	08/31/94	NLPH	9.39	3.48	---	---	---	---	---	---	---	---	---
	09/29/94	NLPH	9.83	3.04	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/94	NLPH	10.19	2.68	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5
	11/30/94	NLPH	8.97	3.90	---	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.44	5.43	---	---	---	---	---	---	---	---	---
	02/06/95	NLPH	5.71	7.16	---	<50	100	---	0.52	<0.5	<0.5	<0.5	<0.5
	06/07/95	NLPH	7.62	5.25	81	<50	3.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
	09/18/95	NLPH	10.02	2.85	82	<50	6	---	<0.5	<0.5	<0.5	<0.5	<0.5
	11/01/95	NLPH	10.74	2.13	160	<50	8.9	---	<0.5	<0.5	<0.5	<0.5	<0.5
	02/14/96	NLPH	7.81	5.06	100	<50	7.8	---	<0.5	<0.5	<0.5	<0.5	<0.5
	06/19/96	NLPH	7.47	5.40	93	<50	7.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/96	NLPH	10.42	2.45	83	<50	9.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
	12/11/96	NLPH	8.50	4.37	81	<50	7.2	---	<0.5	<0.5	<0.5	<0.5	<0.5
	03/19/97	NLPH	9.14	3.73	78	<50	6.4	---	<0.5	<0.5	<0.5	<0.5	<0.5
	06/04/97	NLPH	9.82	3.05	58	<50	6.0	---	<0.5	<0.5	<0.5	<0.5	<0.5
	09/02/97	NLPH	10.26	2.61	150	<50	5.4	---	<0.5	<0.5	<0.5	<0.5	<0.5
	12/02/97	NLPH	9.32	3.55	88	<50	5.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
	03/24/98	NLPH	6.44	6.43	58	<50	5.6	---	<0.5	<0.5	<0.5	<0.5	<0.5
	06/23/98	NLPH	9.23	3.64	84	<50	3.8	---	<0.5	<0.5	<0.5	<0.5	<0.5
	09/29/98	NLPH	9.91	2.96	61	<50	2.6	---	<0.5	<0.5	<0.5	<0.5	<0.5
	12/30/98	NLPH	9.21	3.66	80	<50	4.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
03/24/99	NLPH	5.53	7.34	64.3	<50	4.95	---	<0.5	<0.5	<0.5	<0.5	<0.5	
06/22/99	NLPH	7.39	5.48	83.5	<50	3.70	---	<0.5	<0.5	<0.5	<0.5	<0.5	
09/29/99	NLPH	8.90	3.97	52.9	<50	4.81	---	<0.5	<0.5	<0.5	<0.5	<0.5	
12/21/99	NLPH	8.94	3.93	60	<50	10	---	<0.5	<0.5	<0.5	<0.5	<0.5	
03/21/00	NLPH	5.34	7.53	---	<50	4.5	---	<0.5	<0.5	<0.5	<0.5	<0.5	
03/30/01	NLPH	5.29	7.58	79	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	
(12.79)	11/01/01	Well surveyed in compliance with AB 2886 requirements.											
m	03/11/02	NLPH	5.39	7.40	<50.0	116	110	160	1.10	<0.50	<0.50	<0.50	<0.50
	03/11/03	NLPH	6.63	6.16	<50	153	188	179	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 2 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----µg/L----->			
									B	T	E	X
MW1 (cont.) (12.79)	03/26/04	NLPH	6.18	6.61	74h	<50.0	---	171	<0.50	0.5	<0.5	<0.5
	11/02/04	NLPH	6.44	6.35	75h	145	---	137	0.50	<0.5	<0.5	<0.5
	02/04/05	NLPH	5.01	7.78	158h	132	---	120	<0.50	<0.5	<0.5	<0.5
	05/02/05	NLPH	4.66	8.13	386h	131	---	138	<0.50	<0.5	<0.5	<0.5
	08/01/05	NLPH	5.51	7.28	129h	89.8	---	98.4	0.70	<0.5	<0.5	<0.5
MW2 (12.98)	01/20/94	-- [NR]	--	---	--	--	---	---	---	---	---	---
	02/02/94	-- [NR]	--	---	--	--	---	---	---	---	---	---
	03/10/94	[8 c.]	6.96	6.02	--	--	---	---	---	---	---	---
	04/22/94	[10 c.]	--	---	--	--	---	---	---	---	---	---
	05/10/94	[5 c.]	--	---	--	--	---	---	---	---	---	---
	06/27/94	Sheen	7.10	5.88	--	--	---	---	---	---	---	---
	08/31/94	Sheen	8.58	4.40	--	--	---	---	---	---	---	---
	09/29/94	Sheen	9.11	3.87	--	--	---	---	---	---	---	---
	10/25/94	Sheen	7.76	5.22	--	--	---	---	---	---	---	---
	11/30/94	--	7.33	5.65	--	--	---	---	---	---	---	---
	12/27/94	Sheen	6.77	6.21	--	--	---	---	---	---	---	---
	02/06/95	Sheen	5.00	7.98	--	--	---	---	---	---	---	---
	06/07/95	Sheen	7.14	5.84	--	--	---	---	---	---	---	---
	09/18/95	Sheen	10.82	2.16	--	--	---	---	---	---	---	---
	11/01/95	Sheen	11.65	1.33	--	--	---	---	---	---	---	---
	02/14/96	Sheen	8.39	4.59	--	--	---	---	---	---	---	---
	06/19/96	Sheen	6.55	6.43	--	--	---	---	---	---	---	---
	09/24/96	Sheen	11.56	1.42	--	--	---	---	---	---	---	---
	12/11/96	Sheen	8.02	4.96	--	--	---	---	---	---	---	---
	03/19/97	Sheen	8.63	4.35	--	--	---	---	---	---	---	---
	06/04/97	Sheen	10.57	2.41	--	--	---	---	---	---	---	---
	09/02/97	Sheen	11.51	1.47	--	--	---	---	---	---	---	---
	12/02/97	NLPH	11.24	1.74	820	1,400	57	---	15	2.8	8.6	<2.5
	03/27/98	NLPH	6.06	6.92	2,000	7,400	<50	---	1,400	350	490	1,500
	06/23/98	Sheen	11.06	1.92	2,900	180	9.5	---	3.2	0.55	0.92	1.3
	09/29/98	NLPH	10.51	2.47	180	290	9.3	---	<0.50	0.65	1.5	1.5
	12/30/98	NLPH	9.83	3.15	700	520	16	---	17	0.96	2.6	3.5
	03/24/99	NLPH	4.47	8.51	1,440	14,000	<40	---	1,300	336	786	3,420
	06/22/99	NLPH	6.42	6.56	2,310	1,080	25.2	---	54.3	14.9	38.8	107
	09/29/99	NLPH	8.00	4.98	2,720f	517	15.4	---	37.5	7.48	12.9	15.2

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 3 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	μg/L			
									B	T	E	X
MW2 (cont.)	12/21/99	NLPH	8.10	4.88	6,300	3,200	<2	—	360	5.5	120	106
(12.98)	03/21/00	j	j	j	j	j	j	j	j	j	j	j
	03/30/01	NLPH	3.09	9.89	510	200	—	110	7.2	<0.5	2.4	2.1
(13.06)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
m	03/11/02	NLPH	3.78	9.28	293	<1,000	62.0	30	<10.0	<10.0	<10.0	<10.0
	03/11/03	NLPH	5.49	7.57	422	1,490	325	428	279	3.0	9.8	18.9
	03/27/04	NLPH	4.65	8.41	184h	254	—	131	6.80	0.5	<0.5	1.2
	11/02/04	NLPH	4.43	8.63	96	52.0	—	8.00	1.40	<0.5	<0.5	<0.5
	02/04/05	NLPH	3.32	9.74	372h	66.0	—	8.30	<0.50	<0.5	<0.5	<0.5
	05/02/05	NLPH	2.74	10.32	195h	84.2	—	5.30	<0.50	<0.5	<0.5	<0.5
	08/01/05	NLPH	2.99	10.07	344h	<50.0	—	1.70	0.60	<0.5	<0.5	<0.5
MW3	01/20/94	Sheen	8.24	4.68	—	—	—	—	—	—	—	—
(12.92)	02/02/94	Sheen	7.68	5.24	—	—	—	—	—	—	—	—
	03/10/94	Sheen	7.24	5.68	—	—	—	—	—	—	—	—
	04/22/94	Sheen	6.79	6.13	—	—	—	—	—	—	—	—
	05/10/94	Sheen	6.43	6.49	—	—	—	—	—	—	—	—
	06/27/94	0.01 [NR]	6.97	5.95	—	—	—	—	—	—	—	—
	08/31/94	Sheen	8.41	4.51	—	—	—	—	—	—	—	—
	09/29/94	Sheen	8.97	3.95	—	—	—	—	—	—	—	—
	10/25/94	Sheen	9.43	3.49	—	—	—	—	—	—	—	—
	11/28/94	—	7.19	5.73	—	—	—	—	—	—	—	—
	12/27/94	Sheen	6.64	6.28	—	—	—	—	—	—	—	—
	02/06/95	Sheen	4.87	8.05	—	—	—	—	—	—	—	—
	06/07/95	Sheen	7.05	5.87	—	—	—	—	—	—	—	—
	09/18/95	Sheen	10.61	2.31	—	—	—	—	—	—	—	—
	11/01/95	Sheen	11.58	1.34	—	—	—	—	—	—	—	—
	02/14/96	Sheen	8.34	4.58	—	—	—	—	—	—	—	—
	06/19/96	Sheen	6.35	6.57	—	—	—	—	—	—	—	—
	09/24/96	Sheen	11.45	1.47	—	—	—	—	—	—	—	—
	12/11/96	NLPH	7.89	5.03	17,000	4,800	30	—	340	<5.0	8.2	20
	03/19/97	NLPH	9.83	3.09	3,000	1,900	80	—	160	11	5.6	10
	06/04/97	NLPH	10.43	2.49	8,000	920	11	—	15	2.8	2.4	<2.0
	09/02/97	Sheen	12.45	0.47	—	—	—	—	—	—	—	—
	12/02/97	NLPH	11.21	1.71	6,700	920	21	—	10	2.1	<1.0	2.7
	03/24/98	NLPH	5.93	6.99	4,600	1,500	25	—	5,500	<5.0	<5.0	<5.0







**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 6 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----µg/L----->			
									B	T	E	X
MW6 (cont.) (14.27)	11/30/94	---	8.05	6.22	---	---	---	---	---	---	---	---
	12/27/94	---	7.54	6.73	---	---	---	---	---	---	---	---
	02/06/95	Sheen	5.86	8.41	---	---	---	---	---	---	---	---
	06/07/95	Sheen	8.07	6.20	---	---	---	---	---	---	---	---
	09/18/95	Sheen	10.54	3.73	---	---	---	---	---	---	---	---
	11/01/95	Sheen	11.41	2.86	---	---	---	---	---	---	---	---
	02/14/96	Sheen	9.17	5.10	---	---	---	---	---	---	---	---
	06/19/96	Sheen	7.13	7.14	---	---	---	---	---	---	---	---
	09/24/96	Sheen	11.24	3.03	---	---	---	---	---	---	---	---
	12/11/96	NLPH	9.20	5.07	2,900	9,100	<100	---	2,100	22	160	260
	03/19/97	NLPH	10.14	4.13	3,800	24,000	250	---	5,800	91	1,300	1,900
	06/04/97	NLPH	10.58	3.69	3,300	20,000	270	---	4,400	<50	540	480
	09/02/97	NLPH	11.02	3.25	2,100	8,100	<25	---	1,800	<25	140	170
	12/02/97	NLPH	10.45	3.82	2,300	6,800	<100	---	1,100	<20	77	74
	03/24/98	NLPH	7.09	7.18	3,800	20,000	<250	---	4,300	<50	2,200	1,500
	06/23/98	Sheen	9.79	4.48	4,100	19,000	<500	---	3,400	<100	1,800	1,100
	09/29/98	NLPH	10.56	3.71	2,300	8,600	<100	---	2,100	25	300	260
	12/30/98	NLPH	9.97	4.30	2,700	6,800	<125	---	1,600	<25	84	200
	03/24/99	Sheen	5.02	9.25	2,670	12,600	<20	---	3,380	16.5	221	190
	06/22/99	NLPH	6.91	7.36	5,670	6,720	<40	---	2,400	<10	767	14.4
	09/29/99	NLPH	8.66	5.61	1,370g	6,310d	<250	---	<25	<25	133	<25
	12/21/99	NLPH	8.57	5.70	2,300	3,800	12	---	890	3.3	94	95
	03/21/00	j	j	j	j	j	j	j	j	j	j	j
03/30/01	NLPH	3.66	10.61	2,000	9,200	---	<5	3,100	9.1	130	31	
(14.23) m	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	03/11/02	NLPH	4.55	9.68	1,460	7,660	45.0	<5.0	2,200	25.0 l	410	285
	03/11/03	NLPH	5.79	8.44	1,100	5,120	15.7	1.80	920	3.2	36	19.4
	03/26/04	NLPH	5.22	9.01	596h	5,090	---	0.70	1,130	14.7	164	62.9
	11/02/04	NLPH	4.84	9.39	1,000h	4,320	---	<0.50	793	3.6	178	53.0
	02/04/05	NLPH	3.83	10.40	1,410h	3,950	---	<0.50	1,210	9.4	110	22.6
	05/02/05	NLPH	3.18	11.05	852h	4,900	---	<0.50	755	6.6	189	20.9
	08/01/05	NLPH	3.92	10.31	1,290h	3,320	---	1.20	597	5.1	64.7	47.5
MW7 (14.84)	01/20/94	NLPH	8.67	6.17	---	---	---	---	---	---	---	---
	02/02/94	NLPH	8.47	6.37	---	---	---	---	---	---	---	---
	02/03/94	---	---	---	1,300	2,900	---	---	79	5	8.2	21





TABLE 1A  
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA  
 Former Exxon Service Station 7-3006  
 720 High Street  
 Oakland, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----µg/L----->			
									B	T	E	X
MW9 (cont.) (14.64)	06/27/94	NLPH	7.65	6.99	---	---	---	---	---	---	---	---
	08/31/94	NLPH	8.87	5.77	---	---	---	---	---	---	---	---
	09/29/94	NLPH	9.19	5.45	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/25/94	NLPH	9.66	4.98	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	11/30/94	---	8.38	6.26	---	---	---	---	---	---	---	---
	12/27/94	NLPH	7.29	7.35	---	---	---	---	---	---	---	---
	02/06/95	NLPH	5.74	8.90	56	<50	---	---	<0.5	<0.5	<0.5	<0.5
	06/07/95	NLPH	8.33	6.31	72	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	09/18/95	NLPH	9.28	5.36	60	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	11/01/95	NLPH	10.09	4.55	61	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	02/14/96	NLPH	6.26	8.38	83	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	06/19/96	NLPH	6.68	7.96	68	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	09/24/96	NLPH	9.72	4.92	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	12/11/96	NLPH	8.11	6.53	91	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	03/19/97	NLPH	7.72	6.92	140	<50	<2.5	---	0.83	<0.5	<0.5	<0.5
	06/04/97	NLPH	8.87	5.77	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	09/02/97	NLPH	9.44	5.20	140	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	12/02/97	NLPH	8.43	6.21	71	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	03/24/98	NLPH	5.84	8.80	62	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
	06/23/98	NLPH	7.81	6.83	69	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
09/29/98	NLPH	9.26	5.38	52	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	
12/30/98	NLPH	8.28	6.36	74	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	
03/24/99	NLPH	4.74	9.90	71.1	b	---	---	---	---	---	---	
06/22/99	---	---	---	---	---	---	---	---	---	---	---	
09/29/99	NLPH	8.41	6.23	---	---	---	---	---	---	---	---	
12/21/99	NLPH	8.20	6.44	---	---	---	---	---	---	---	---	
03/21/00	NLPH	4.59	10.05	---	---	---	---	---	---	---	---	
12/21/00	Well destroyed.											
MW10 (14.05)	01/20/94	NLPH	8.40	5.65	---	---	---	---	---	---	---	---
	02/02/94	NLPH	8.00	6.05	---	---	---	---	---	---	---	---
	02/03/94	---	---	---	<50	<50	---	---	<0.5	1	<0.5	1.8
	03/10/94	NLPH	7.56	6.49	---	---	---	---	---	---	---	---
	04/22/94	NLPH	7.35	6.70	---	---	---	---	---	---	---	---
	05/10/94	NLPH	7.06	6.99	---	---	---	---	---	---	---	---
05/11/94	---	---	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	





**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----μg/L----->			
									B	T	E	X
MW12 (cont.) (12.61)	09/29/94	Sheen	8.52	4.09	---	---	---	---	---	---	---	---
	10/25/94	Sheen	8.74	3.87	---	---	---	---	---	---	---	---
	11/30/94	---	8.73	3.88	---	---	---	---	---	---	---	---
	12/30/94	NLPH	6.17	6.44	---	---	---	---	---	---	---	---
	02/06/95	Sheen	4.44	8.17	---	---	---	---	---	---	---	---
	06/07/95	Sheen	6.59	6.02	---	---	---	---	---	---	---	---
	09/18/95	Sheen	8.96	3.65	---	---	---	---	---	---	---	---
	11/01/95	Sheen	10.75	1.88	---	---	---	---	---	---	---	---
	02/14/96	Sheen	7.73	4.88	---	---	---	---	---	---	---	---
	06/19/96	Sheen	5.80	6.81	---	---	---	---	---	---	---	---
	09/24/96	Sheen	9.14	3.47	---	---	---	---	---	---	---	---
	12/11/96	Sheen	7.31	5.30	---	---	---	---	---	---	---	---
	03/19/97	Sheen	9.96	2.65	---	---	---	---	---	---	---	---
	06/04/97	Sheen	8.81	3.80	---	---	---	---	---	---	---	---
	09/02/97	Sheen	8.93	3.68	---	---	---	---	---	---	---	---
	12/02/97	NLPH	8.41	4.20	3,900	45,000	<250	---	1,800	560	3,100	8,700
	03/24/98	NLPH	5.37	7.24	8,800	42,000	<250	---	820	280	2,800	6,800
	06/23/98	Sheen	8.43	4.18	7,800	39,000	560	---	1,000	200	2,300	4,900
	09/29/98	Sheen	8.94	3.67	21,000	40,000	<500	---	1,100	150	2,200	3,100
	12/30/98	Sheen	8.47	4.14	49,000	79,000	<500	---	1,400	400	3,300	8,500
	03/24/99	Sheen	3.71	8.90	5,070	40,600	<20	---	328	182	1,690	3,930
	06/22/99	Sheen	4.91	7.70	15,000	54,800	109	---	203	244	1,530	3,790
	09/29/99	NLPH	7.41	5.20	6,830g	22,900	194	---	422	72.6	1,790	2,270
12/21/99	NLPH	7.46	5.15	10,000	25,000	<40	---	580	26	1,400	1,360	
03/21/00	NLPH	3.57	9.04	4,400	23,000	860	---	690	33	1,600	3,290	
03/30/01	---	---	---	---	---	---	---	---	---	---	---	
03/11/02	J	J	J	J	J	J	J	J	J	J	J	
03/11/03	J	J	J	J	J	J	J	J	J	J	J	
11/02/04	J	J	J	J	J	J	J	J	J	J	J	
02/04/05	J	J	J	J	J	J	J	J	J	J	J	
05/02/05	J	J	J	J	J	J	J	J	J	J	J	
08/01/05	J	J	J	J	J	J	J	J	J	J	J	
MW13 (14.20)	01/20/94	NLPH	9.08	5.12	---	---	---	---	---	---	---	
	02/02/94	NLPH	8.75	5.45	---	---	---	---	---	---	---	
	02/03/94	---	---	---	8,100	41,000	---	---	3,800	1,500	2,700	9,500





**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	←-----μg/L----->				
									B	T	E	X	
MW14 (cont.)	04/22/94	NLPH	8.00	7.18	---	---	---	---	---	---	---	---	---
(15.18)	05/10/94	NLPH	7.93	7.25	---	---	---	---	---	---	---	---	---
	05/11/94	---	---	---	11,002	300	---	---	2.7	7.9	2	27	
	06/27/94	NLPH	8.19	6.99	---	---	---	---	---	---	---	---	---
	08/31/94	NLPH	9.44	5.74	---	---	---	---	---	---	---	---	---
	09/29/94	NLPH	9.82	5.36	---	300	1,600	---	<0.5	<0.5	0.9	1.3	
	10/25/94	NLPH	9.99	5.19	---	200	210	---	<0.5	<0.5	0.8	<0.5	
	11/30/94	---	8.16	7.02	---	---	---	---	---	---	---	---	
	12/27/94	Sheen	8.15	7.03	---	---	---	---	---	---	---	---	
	02/06/95	NLPH	7.18	8.00	1,200	360	---	---	<1.0	<1.0	<1.0	<1.0	
	06/07/95	NLPH	7.70	7.48	1,100	670	<2.5	---	<0.5	<0.5	3.6	<0.5	
	09/18/95	NLPH	9.88	5.30	1,900	1,300	<10	---	<2.0	<2.0	<2.0	3	
	11/01/95	NLPH	10.56	4.62	2,700	1,100	<13	---	<2.5	<2.5	3.2	3.1	
	02/14/96	NLPH	9.08	6.10	1,500	470	<2.5	---	<0.5	<0.5	1.3	<0.5	
	06/19/96	NLPH	8.50	6.68	2,000	610	<12	---	<2.5	<2.5	<2.5	<2.5	
	09/24/96	NLPH	10.23	4.95	5,100	1,000	<25	---	<5.0	<5.0	<5.0	<5.0	
	12/11/96	NLPH	9.09	6.09	2,100 k	1,100	<10	---	<2.0	<2.0	<2.0	3.3	
	03/19/97	NLPH	7.99	7.19	1,400	690	<2.5	---	0.65	1.7	2.5	8.3	
	06/04/97	NLPH	9.30	5.88	1,500	730	<2.5	---	<1.2	<1.2	3.5	5.3	
	09/02/97	NLPH	9.92	5.26	1,900	910	<5.0	---	<5.0	<5.0	<5.0	5.9	
	12/02/97	NLPH	9.13	6.05	1,200	570	<2.5	---	0.85	<0.5	<0.5	1.7	
	03/24/98	NLPH	8.52	6.66	1,300	650	5.7	---	1.7	<1.0	<1.0	2.3	
	06/23/98	NLPH	8.69	6.49	1,100	470	<2.5	---	<0.5	1.5	1.1	3.0	
	09/29/98	NLPH	9.41	5.77	930	570	<2.5	---	<0.50	<0.50	2.5	3.5	
	12/30/98	NLPH	9.31	5.87	2,000	420	<2.5	---	<0.5	<0.5	<0.5	2.8	
	03/24/99	NLPH	4.23	10.95	936	456	<2.0	---	<0.5	<0.5	0.685	<0.5	
	06/22/99	NLPH	7.24	7.94	1,720	403	<2.0	---	<0.5	<0.5	<0.5	<0.5	
	09/29/99	NLPH	9.41	5.77	927g	388	<2.5	---	1.31	<0.5	0.864	2.07	
	12/21/99	NLPH	8.93	6.25	1,400	420	<2	---	0.61	<0.5	<0.5	6.3	
	03/21/00	NLPH	5.76	9.42	---	390	<2	---	1.4	<0.5	0.82	4.5	
	03/30/01	NLPH	4.21	10.97	980	330	---	<5	<0.5	<0.5	1.3	3.03	
(15.14)	11/01/01	Well surveyed in compliance with AB 2886 requirements.											
m	03/11/02	NLPH	4.87	10.27	954	146	1.40	0.6	<0.50	<0.50	0.90	5.70	
	03/11/03	NLPH	6.99	8.15	1,020	331	<0.5	---	<0.50	<0.5	<0.5	<0.5	
	03/26/04	NLPH	7.82	7.32	586h	235	---	<0.50	1.20	0.8	0.6	1.4	
	11/02/04	NLPH	7.06	8.08	1,110h	282	---	<0.50	0.90	<0.5	1.6	7.2	

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3008  
720 High Street  
Oakland, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (feet)	Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	μg/L			
									B	T	E	X
MW14 (cont.) (15.14)	02/04/05	NLPH	6.15	8.99	2,880h	327	---	<0.50	0.60	<0.5	0.8	1.8
	05/02/05	NLPH	4.97	10.17	2,590h	363	---	<0.50	1.20	0.5	1.4	2.5
	08/01/05	NLPH	5.31	9.83	2,690h	280	---	<0.50	0.90	<0.5	0.9	1.8
MW15 (13.73)	01/20/94	NLPH	7.48	6.25	---	---	---	---	---	---	---	---
	02/02/94	NLPH	7.30	6.43	---	---	---	---	---	---	---	---
	02/03/94	---	---	---	1,200	4,300	---	---	24	6.7	170	26
	03/10/94	NLPH	7.32	6.41	---	---	---	---	---	---	---	---
	04/22/94	NLPH	6.67	7.06	---	---	---	---	---	---	---	---
	05/10/94	NLPH	5.81	7.92	---	---	---	---	---	---	---	---
	05/11/94	---	---	---	1,400	3,900	---	---	16	<0.5	150	13
	06/27/94	NLPH	6.14	7.59	---	---	---	---	---	---	---	---
	08/31/94	NLPH	7.20	6.53	---	---	---	---	---	---	---	---
	09/29/94	NLPH	7.76	5.97	420	2,500	---	---	51	15	48	3.6
	10/25/94	Sheen	8.19	5.54	---	---	---	---	---	---	---	---
	11/30/94	---	8.57	5.16	---	---	---	---	---	---	---	---
	12/27/94	NLPH	6.49	7.24	---	---	---	---	---	---	---	---
	02/06/95	Sheen	4.97	8.76	---	---	---	---	---	---	---	---
	06/07/95	Sheen	7.14	6.59	---	---	---	---	---	---	---	---
	09/18/95	Sheen	9.00	4.73	---	---	---	---	---	---	---	---
	11/01/95	Sheen	10.67	3.06	---	---	---	---	---	---	---	---
	02/14/96	Sheen	7.27	6.46	---	---	---	---	---	---	---	---
	06/19/96	Sheen	6.65	7.08	---	---	---	---	---	---	---	---
	09/24/96	Sheen	9.45	4.28	---	---	---	---	---	---	---	---
	12/11/96	Sheen	7.77	5.96	---	---	---	---	---	---	---	---
	03/19/97	Sheen	8.15	5.58	---	---	---	---	---	---	---	---
	06/04/97	Sheen	8.62	5.11	---	---	---	---	---	---	---	---
	09/02/97	NLPH	9.04	4.69	480	1,100	23	---	19	<2.0	11	4.9
	12/02/97	NLPH	8.43	5.30	600	1,700	58	---	20	<5.0	11	<5.0
	03/24/98	NLPH	6.35	7.38	450	2,100	<100	---	570	<20	<20	<20
	06/23/98	NLPH	7.79	5.94	570	2,300	<25	---	440	<5.0	30	<5.0
09/29/98	j	j	j	j	j	j	j	j	j	j	j	
12/30/98	NLPH	8.42	5.31	510	900	14	---	6.2	1.5	5.8	3.4	
03/24/99	NLPH	4.69	9.04	346	1,480	12.7	---	181	1.15	29.8	<1.0	



TABLE 1A  
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA  
 Former Exxon Service Station 7-3006  
 720 High Street  
 Oakland, California  
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Notes:	
SUBJ	= Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.
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. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
[ ]	= Amount recovered.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
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.
TOG	= Total oil and grease analyzed using Standard Method 5520.
EHCss	= Extractable Hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
EDB	= 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-Dichloroethane analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	= Micrograms per liter.
—	= Not measured/Not sampled/Not analyzed.
<	= Less than the indicated reporting limit shown by the laboratory.
a	= A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	= Sample containers for TPHg, BTEX, and MTBE were broken in transit.
c	= Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	= Chromatogram pattern: weathered gasoline C6 - C12.
e	= Chromatogram pattern: weathered gasoline C6 - C12 and unidentified hydrocarbons C6 - C12.
f	= Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
g	= Chromatogram pattern: unidentified hydrocarbons C9 - C24.
h	= Diesel result is not consistent with diesel fuel.
j	= Well inaccessible.
k	= TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
l	= Analyte detected in trip blank and/or bailer blank; result is suspect.
m	= Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 1 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	EHCss	TOG	
		←-----µg/L-----→									
MW1	01/20/94 - 06/19/96: Not analyzed for these analytes.										
	06/19/96	--	--	--	--	--	--	--	<50	--	
	06/19/96 - 03/11/03: Not analyzed for these analytes.										
	03/26/04	<0.50	<0.50	<10.0	<0.50	1.60	<0.50	--	--	--	
	11/02/04	<0.50	<0.50	<10.0	<0.50	1.80	<0.50	--	--	--	
	02/04/05	<0.50	<0.50	<10.0	<0.50	1.90	<0.50	--	--	--	
	05/02/05	<0.50	<0.50	<10.0	<0.50	2.10	<0.50	<100	--	--	
	<b>08/01/05</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10.0</b>	<b>&lt;0.50</b>	<b>2.00</b>	<b>&lt;0.50</b>	<b>&lt;100</b>	<b>--</b>	<b>--</b>	
MW2	01/20/94 - 03/27/04: Not analyzed for these analytes.										
	03/27/04	<0.50	2.90	<10.0	<0.50	<0.50	<0.50	--	--	--	
	11/02/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	
	02/04/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	
	05/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	
		<b>08/01/05</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10.0</b>	<b>&lt;0.50</b>	<b>2.00</b>	<b>&lt;0.50</b>	<b>&lt;100</b>	<b>--</b>	<b>--</b>
MW3	01/20/94 - 03/26/04: Not analyzed for these analytes.										
	03/26/04	<0.50	2.60	<10.0	<0.50	<0.50	0.60	--	--	--	
	11/02/04	<0.50	<0.50	<10.0	<0.50	<0.50	1.60	--	--	--	
	02/04/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	
	05/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	
		<b>08/01/05</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;100</b>	<b>--</b>	<b>--</b>
MW4	01/20/94 - 03/26/04: Not analyzed for these analytes.										
	03/26/04	j	j	j	j	j	j	j	j	j	
	11/02/04	j	j	j	j	j	j	j	j	j	
	02/04/05	j	j	j	j	j	j	j	j	j	
	05/02/05	j	j	j	j	j	j	j	j	j	
		<b>08/01/05</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>
MW5	07/18/89	Well destroyed.									
MW6	01/20/94 - 03/26/04: Not analyzed for these analytes.										
	03/26/04	<0.50	<0.50	11.7	<0.50	34.0	<0.50	--	--	--	
	11/02/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	
	02/04/05	<0.50	<0.50	54.3	<0.50	<0.50	<0.50	--	--	--	
	05/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	
		<b>08/01/05</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>29.2</b>	<b>&lt;0.50</b>	<b>15.3</b>	<b>&lt;0.50</b>	<b>&lt;100</b>	<b>--</b>	<b>--</b>



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 3 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	EHCss	TOG
		←-----µg/L----->								
MW13	01/20/94 - 12/21/00: Not analyzed for these analytes.									
	12/21/00	Well destroyed.								
MW14	01/20/94 - 02/06/95: Not analyzed for these analytes.									
	02/06/95	---	---	---	---	---	---	---	---	400
	06/07/95	---	---	---	---	---	---	---	450	---
	09/18/95	---	---	---	---	---	---	---	1,200	---
	11/01/95	---	---	---	---	---	---	---	1,600	---
	02/14/96	---	---	---	---	---	---	---	680	---
	06/19/96	---	---	---	---	---	---	---	670	---
	09/24/96	---	---	---	---	---	---	---	4,500	---
	12/11/96	---	---	---	---	---	---	---	750	---
	03/19/97	---	---	---	---	---	---	---	470	---
	06/04/97	---	---	---	---	---	---	---	590	---
	09/02/97	---	---	---	---	---	---	---	1,300	---
	09/02/97 - 03/26/04: Not analyzed for these analytes.									
	03/26/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---	---	---
	11/02/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---	---	---
	02/04/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---	---	---
	05/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100	---	---
	08/01/05	<0.50	<0.50	<10.0	<0.50	1.90	<0.50	<100	---	---
MW15	01/20/94 - 12/21/00: Not analyzed for these analytes.									
	12/21/00	Well destroyed.								



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 4 of 4)

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Notes:	=	
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.
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. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
[ ]	=	Amount recovered.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
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.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable Hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
--	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the indicated reporting limit shown by the laboratory.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers for TPHg, BTEX, and MTBE were broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered gasoline C6 - C12 and unidentified hydrocarbons C6 - C12.
f	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
g	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
h	=	Diesel result is not consistent with diesel fuel.
j	=	Well inaccessible.
k	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
l	=	Analyte detected in trip blank and/or bailer blank; result is suspect.
m	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantatation procedures.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 1 of 2)

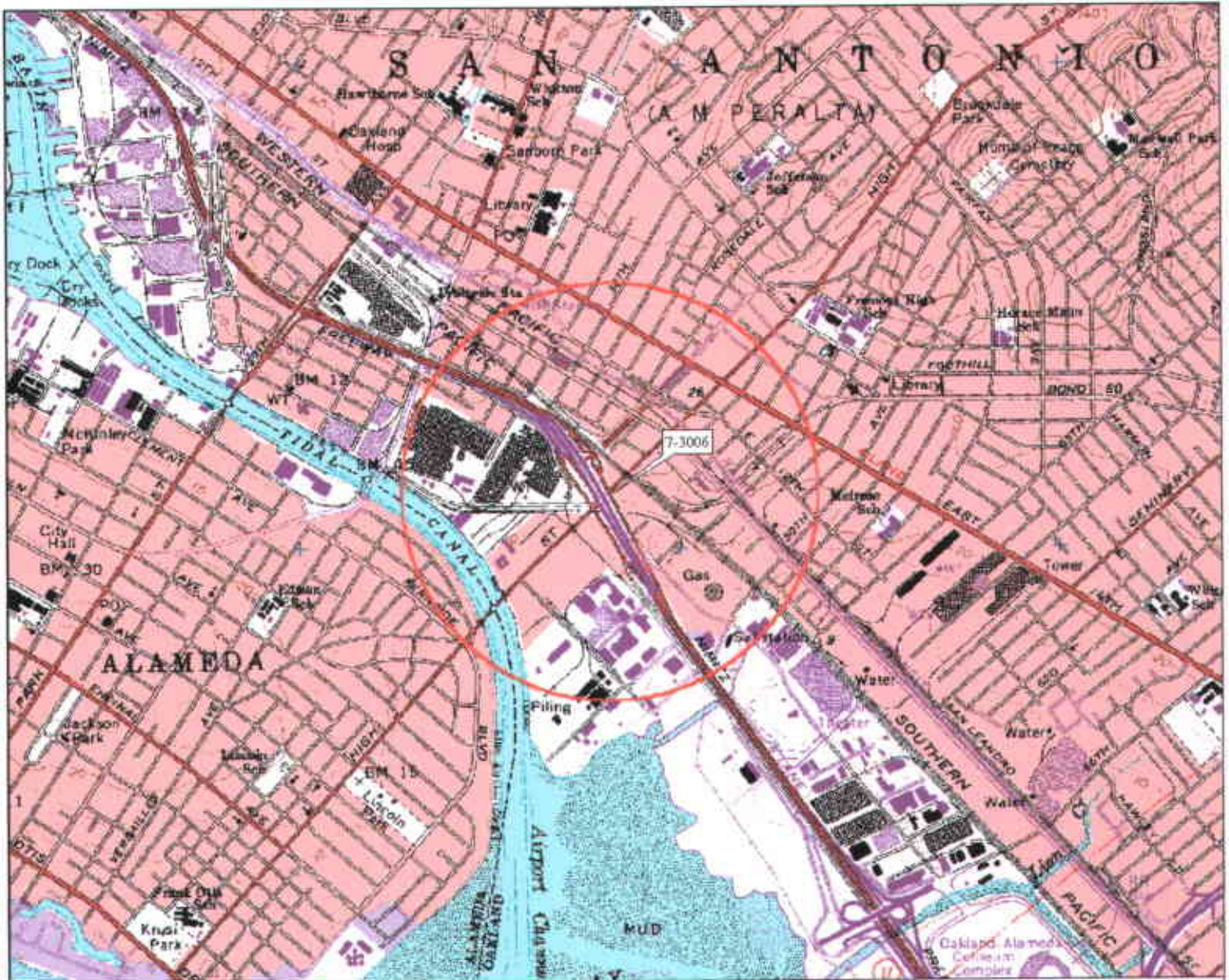
Well ID	Date Well Installed	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
MW1	05/21/88	12.79	NS	29.0	29.0	4	NS	4.0-29.0	NS	2-29	NS
MW2	09/10/87	13.06	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW3	09/10/87	13.71	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW4	09/10/87	12.77	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW5	Well destroyed										
MW6	09/10/87	14.23	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW7	Well destroyed										
MW8	Well destroyed										
MW9	Well destroyed										
MW10	Well destroyed										
MW11	Well destroyed										
MW12	11/27/89	12.61	10	15.5	15.5	4	PVC	5.0-15.0	0.010	4-15.5	NS
MW13	Well destroyed										
MW14	10/31/90	15.14	10	18.5	17.0	4	PVC	7.0-17.0	0.010	5.5-17	NS
MW15	Well destroyed										
VW1	Well destroyed										
VW2	Well destroyed										
VW3	Well destroyed										

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 7-3006  
720 High Street  
Oakland, California  
(Page 2 of 2)

Well ID	Date Well Installed	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
AS1	Information not available.										
AS2	Information not available.										
AS3	Information not available.										
AS4	Information not available.										
AS5	Information not available.										
AS6	Information not available.										
RW1	Information not available.										
RW2	Information not available.										
RW3	Information not available.										
RW4	Information not available.										
RW5	Information not available.										
RW6	Information not available.										
RW7	Information not available.										

Notes:

TOC = Top of well casing elevation; datum is mean sea level.  
fbgs = Feet below ground surface.  
NS = Not specified.



© 1999 DeLorme Topographic, ME 04069 Source Data: 1998  
 1:24,000 Scale: 1:24,000 Datum: NAD83

FN 2010

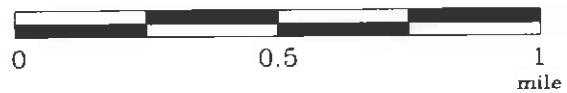
EXPLANATION



1/2-mile radius circle



APPROXIMATE SCALE



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



**SITE VICINITY MAP**

FORMER EXXON SERVICE STATION 7-3006  
 720 High Street  
 Oakland, California

PROJECT NO.

2010

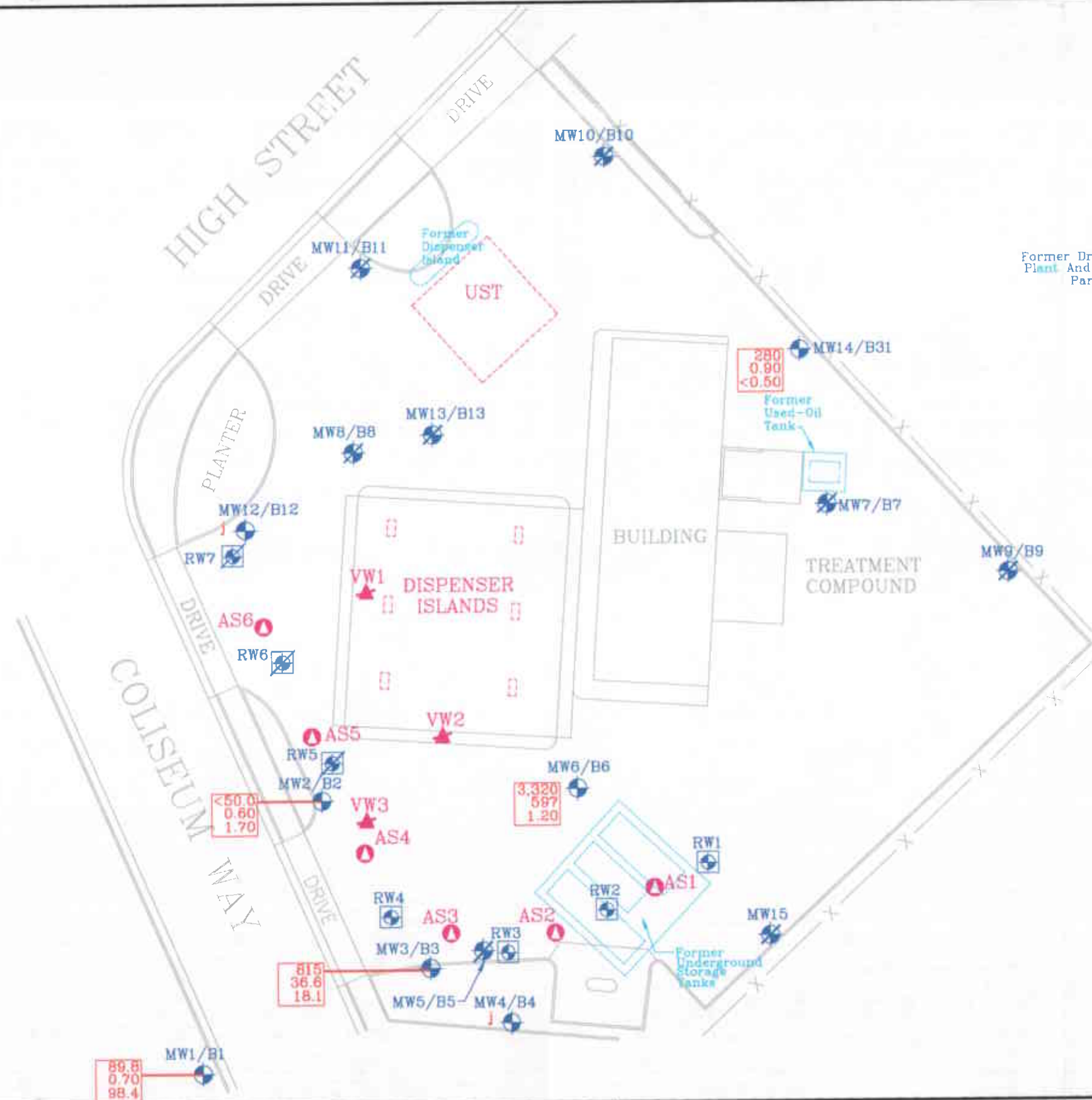
PLATE

1

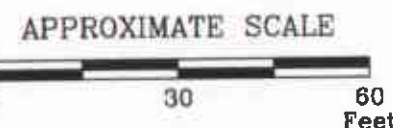


Analyte Concentrations in ug/L  
 Sampled August 1, 2005

- 3,320 Total Petroleum Hydrocarbons as gasoline
- 597 Benzene
- 1.20 Methyl Tertiary Butyl Ether (EPA Method 8260B)
- < Less Than the Stated Laboratory Reporting Limit
- ug/L Micrograms per Liter
- j Well Inaccessible.



Former Dry-Cleaning Plant And Ed's Auto Parts



FN 20100004\_QM

SOURCE:  
 Modified from a map provided by Morrow Surveying



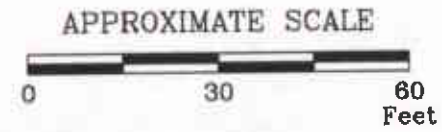
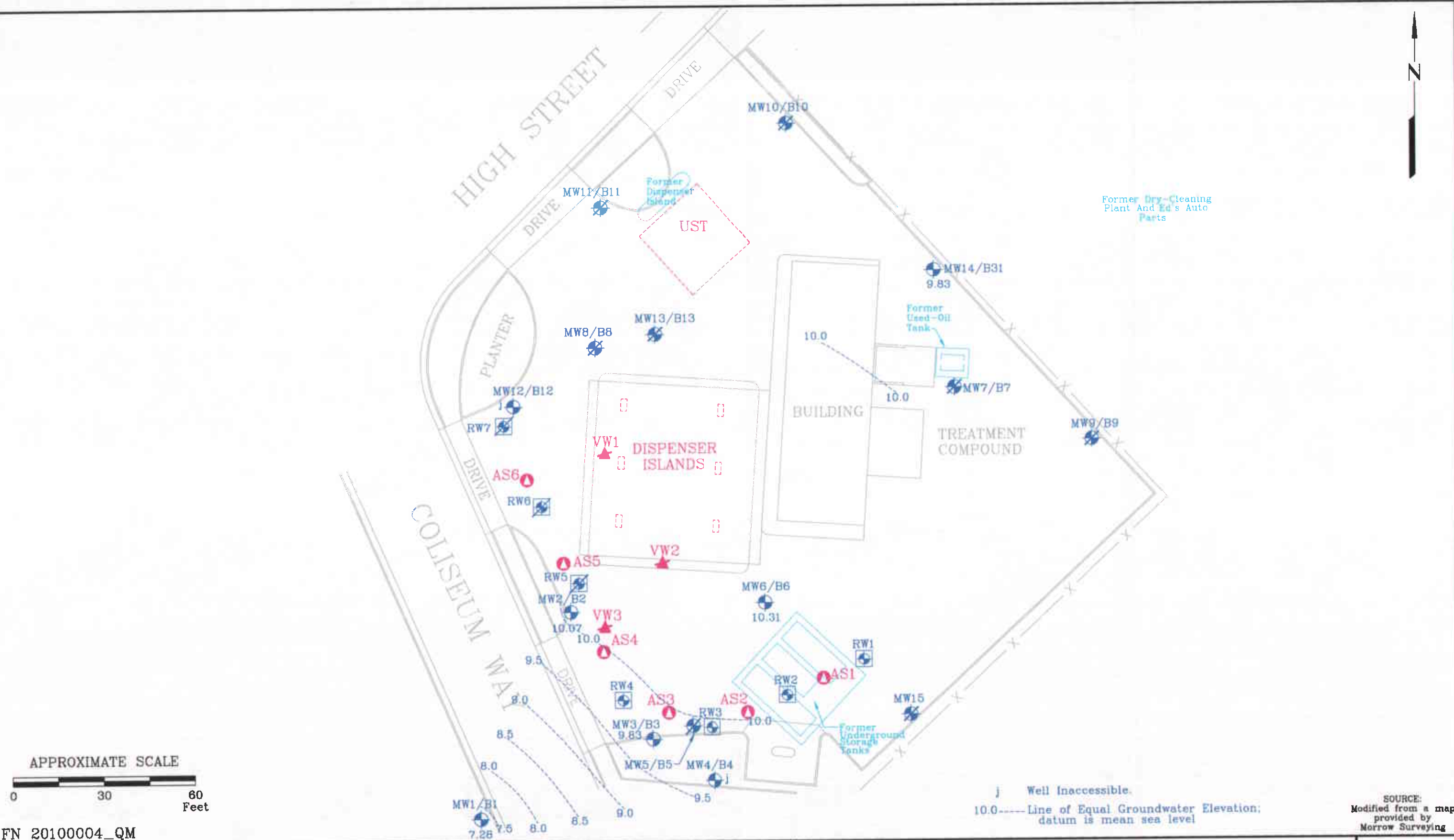
**SELECT ANALYTICAL RESULTS**  
**August 1, 2005**  
 FORMER  
 EXXON SERVICE STATION 7-3006  
 720 High Street  
 Oakland, California

- EXPLANATION**
- MW14 Groundwater Monitoring Well
  - RW4 Recovery Well
  - AS6 Air Sparge Well

- VW3 Destroyed Soil Vapor Extraction Well
- RW7 Destroyed Recovery Well
- MW15 Destroyed Groundwater Monitoring Well

**PROJECT NO.**  
 2010

**PLATE**  
 2



FN 20100004\_QM

j Well Inaccessible.  
 10.0-----Line of Equal Groundwater Elevation;  
 datum is mean sea level

SOURCE:  
 Modified from a map  
 provided by  
 Morrow Surveying



**GROUNDWATER ELEVATION MAP**  
**August 1, 2005**  
 FORMER  
**EXXON SERVICE STATION 7-3006**  
 720 High Street  
 Oakland, California

**EXPLANATION**

- MW14  
 Groundwater Monitoring Well  
 9.83 Groundwater elevation in feet;  
 datum is mean sea level
- RW4  
 Recovery Well
- AS6  
 Air Sparge Well

- VW3  
 Destroyed Soil Vapor  
 Extraction Well
- RW7  
 Destroyed Recovery Well
- MW15  
 Destroyed Groundwater  
 Monitoring Well

**PROJECT NO.**  
 2010

**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**

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

8/ 9/05

AUG 10 2005

ERI - NORTHERN CA 10228  
Jim Chappell  
601 NORTH MCDOWELL BLVD.  
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-3006  
Project Number: 201013X.  
Laboratory Project Number: 425113.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
MW1	05-A112090	8/ 1/05
MW2	05-A112091	8/ 1/05
MW3	05-A112092	8/ 1/05
MW6	05-A112093	8/ 1/05
MW14	05-A112094	8/ 1/05

Sample Identification

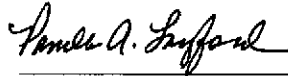
Lab Number

Page 2

Collection Date

-----  
-----  
-----  
  
These results relate only to the items tested.  
This report shall not be reproduced except in full and with  
permission of the laboratory.

Report Approved By:



Report Date: 8/ 8/05

Johnny A. Mitchell, Laboratory Director  
Michael H. Dunn, M.S., Technical Director  
Pamela A. Langford, Senior Project Manager  
Eric S. Smith, QA/QC Director  
Sandra McMillin, Technical Services

Gail A. Lage, Senior Project Manager  
Glenn L. Norton, Technical Services  
Kelly S. Comstock, Technical Services  
Roxanne L. Connor, Senior Project Manager  
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
 Jim Chappell  
 601 NORTH MCDOWELL BLVD.  
 PETALUMA, CA 94954

Lab Number: 05-A112090  
 Sample ID: MW1  
 Sample Type: Water  
 Site ID: 7-3006

Project: 201013X  
 Project Name: EXXONMOBIL 7-3006  
 Sampler: STEVE SCHURKE

Date Collected: 8/ 1/05  
 Time Collected: 14:45  
 Date Received: 8/ 3/05  
 Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analysis Analyst	Analysis Method	Batch
*ORGANIC PARAMETERS*									
**Benzene	0.70	ug/l	0.50	1.0	8/ 6/05	0:52	G.Guirguis	8021B	3888
**Ethylbenzene	ND	ug/l	0.5	1.0	8/ 6/05	0:52	G.Guirguis	8021B	3888
**Toluene	ND	ug/l	0.5	1.0	8/ 6/05	0:52	G.Guirguis	8021B	3888
**Xylenes (Total)	ND	ug/l	0.5	1.0	8/ 6/05	0:52	G.Guirguis	8021B	3888
**TPH (Gasoline Range)	89.8	ug/l	50.0	1.0	8/ 6/05	0:52	G.Guirguis	8015B	3888
**TPH (Diesel Range)	129.	ug/l	50.	1.0	8/ 6/05	21:44	B. Yanna	8015B/3510	6327
*VOLATILE ORGANICS*									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**1,2-Dichloroethane	2.00	ug/l	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**Methyl-t-butyl ether	98.4	ug/l	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**Ethanol	ND	ug/L	100.	1.0	8/ 6/05	2:52	A. Steimle	8260B	5951
**Diisopropyl ether	ND	ug/l	0.50	1.0	8/ 6/05	2:52	A. Steimle	8260/SA05-77	5951

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	8/ 5/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	91.	52. - 132.

## ANALYTICAL REPORT

Laboratory Number: 05-A112090

Sample ID: MW1

Page 2

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Surrogate	% Recovery	Target Range
-----	-----	-----
BTEX/GRO Surr., a,a,a-TFT	75.	63. - 134.
VOA Surr 1,2-DCA-d4	102.	70. - 130.
VOA Surr Toluene-d8	95.	78. - 121.
VOA Surr, 4-BFB	110.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

TPH-Diesel result was not consistent with diesel fuel.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
Jim Chappell  
601 NORTH MCDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A112091  
Sample ID: MW2  
Sample Type: Water  
Site ID: 7-3006

Project: 201013X  
Project Name: EXXONMOBIL 7-3006  
Sampler: STEVE SCHURKE

Date Collected: 8/ 1/05  
Time Collected: 15:15  
Date Received: 8/ 3/05  
Time Received: 7:55

Analyte	Result	Units	Report	Dil	Analysis		Analysis		Batch
			Limit		Factor	Date	Time	Analyst	
*ORGANIC PARAMETERS*									
**Benzene	0.60	ug/l	0.50	1.0	8/ 6/05	1:07	G.Guirguis	8021B	3888
**Ethylbenzene	ND	ug/l	0.5	1.0	8/ 6/05	1:07	G.Guirguis	8021B	3888
**Toluene	ND	ug/l	0.5	1.0	8/ 6/05	1:07	G.Guirguis	8021B	3888
**Xylenes (Total)	ND	ug/l	0.5	1.0	8/ 6/05	1:07	G.Guirguis	8021B	3888
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	8/ 6/05	1:07	G.Guirguis	8015B	3888
**TPH (Diesel Range)	344.	ug/l	50.	1.0	8/ 6/05	22:05	B. Yanna	8015B/3510	6327
*VOLATILE ORGANICS*									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**1,2-Dichloroethane	2.00	ug/l	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**Methyl-t-butyl ether	1.70	ug/l	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**Ethanol	ND	ug/L	100.	1.0	8/ 6/05	3:15	A. Steimle	8260B	5951
**Diisopropyl ether	ND	ug/l	0.50	1.0	8/ 6/05	3:15	A. Steimle	8260/SA05-77	5951

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH	1000 ml	1.00 ml	8/ 5/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	79.	52. - 132.

## ANALYTICAL REPORT

Laboratory Number: 05-A112091

Sample ID: MW2

Page 2

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Surrogate	% Recovery	Target Range
-----	-----	-----
BTEX/GRO Surr., a,a,a-TFT	87.	63. - 134.
VOA Surr 1,2-DCA-d4	103.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	111.	78. - 126.
VOA Surr, DBFM	99.	79. - 122.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

TPH-Diesel result was not consistent with diesel fuel.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
 Jim Chappell  
 601 NORTH MCDOWELL BLVD.  
 PETALUMA, CA 94954

Lab Number: 05-A112092  
 Sample ID: MW3  
 Sample Type: Water  
 Site ID: 7-3006

Project: 201013X  
 Project Name: EXXONMOBIL 7-3006  
 Sampler: STEVE SCHURKE

Date Collected: 8/ 1/05  
 Time Collected: 15:35  
 Date Received: 8/ 3/05  
 Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analysis Analyst	Analysis Method	Batch
*ORGANIC PARAMETERS*									
**Benzene	36.6	ug/l	0.50	1.0	8/ 6/05	1:21	G.Guirguis	8021B	3888
**Ethylbenzene	1.1	ug/l	0.5	1.0	8/ 6/05	1:21	G.Guirguis	8021B	3888
**Toluene	0.6	ug/l	0.5	1.0	8/ 6/05	1:21	G.Guirguis	8021B	3888
**Xylenes (Total)	2.4	ug/l	0.5	1.0	8/ 6/05	1:21	G.Guirguis	8021B	3888
**TPH (Gasoline Range)	815.	ug/l	50.0	1.0	8/ 6/05	1:21	G.Guirguis	8015B	3888
**TPH (Diesel Range)	1550	ug/l	59.	1.0	8/ 6/05	22:27	B. Yanna	8015B/3510	6327
*VOLATILE ORGANICS*									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**Methyl-t-butyl ether	18.1	ug/l	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**Ethanol	ND	ug/L	100.	1.0	8/ 6/05	3:38	A. Steimle	8260B	5951
**Diisopropyl ether	ND	ug/l	0.50	1.0	8/ 6/05	3:38	A. Steimle	8260/SA05-77	5951

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	850. ml	1.00 ml	8/ 5/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	62.	52. - 132.



## ANALYTICAL REPORT

Laboratory Number: 05-A112092  
Sample ID: MW3

Page 2

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Surrogate	% Recovery	Target Range
-----	-----	-----
BTEX/GRO Surr., a,a,a-TFT	75.	63. - 134.
VOA Surr 1,2-DCA-d4	104.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	97.	78. - 126.
VOA Surr, DBEM	99.	79. - 122.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

Contamination is consistent with diesel.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
Jim Chappell  
601 NORTH MCDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A112093  
Sample ID: MW6  
Sample Type: Water  
Site ID: 7-3006

Project: 201013X  
Project Name: EXXONMOBIL 7-3006  
Sampler: STEVE SCHURKE

Date Collected: 8/ 1/05  
Time Collected: 15:00  
Date Received: 8/ 3/05  
Time Received: 7:55

Analyte	Result	Units	Report	Dil	Analysis		Method	Batch	
			Limit		Factor	Date			Time
*ORGANIC PARAMETERS*									
**Benzene	597.	ug/l	5.00	10.0	8/ 8/05	11:36	G. Guirguis 8021B	6347	
**Ethylbenzene	64.7	ug/l	0.5	1.0	8/ 6/05	1:36	G. Guirguis 8021B	3888	
**Toluene	5.1	ug/l	0.5	1.0	8/ 6/05	1:36	G. Guirguis 8021B	3888	
**Xylenes (Total)	47.5	ug/l	0.5	1.0	8/ 6/05	1:36	G. Guirguis 8021B	3888	
**TPH (Gasoline Range)	3320	ug/l	50.0	1.0	8/ 6/05	1:36	G. Guirguis 8015B	3888	
**TPH (Diesel Range)	1290	ug/l	61.	1.0	8/ 6/05	22:47	B. Yanna 8015B/3510	6327	
*VOLATILE ORGANICS*									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**Tertiary butyl alcohol	29.2	ug/l	10.0	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**1,2-Dichloroethane	15.3	ug/l	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**Methyl-t-butyl ether	1.20	ug/l	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**Ethanol	ND	ug/L	100.	1.0	8/ 6/05	4:01	A. Steimle 8260B	5951	
**Diisopropyl ether	ND	ug/l	0.50	1.0	8/ 6/05	4:01	A. Steimle 8260/SA05-77	5951	

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH	825. ml	1.00 ml	8/ 5/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	53.	52. - 132.

## ANALYTICAL REPORT

Laboratory Number: 05-A112093

Sample ID: MW6

Page 2

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Surrogate	% Recovery	Target Range
-----	-----	-----
BTEX/GRO Surr., a,a,a-TFT	88.	63. - 134.
VOA Surr 1,2-DCA-d4	89.	70. - 130.
VOA Surr Toluene-d8	93.	78. - 121.
VOA Surr, 4-BFB	103.	78. - 126.
VOA Surr, DBFM	90.	79. - 122.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

TPH-Diesel result was not consistent with diesel fuel.

The TRPH-Diesel surrogate was outside QC limits due to sample matrix.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
Jim Chappell  
601 NORTH MCDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A112094  
Sample ID: MW14  
Sample Type: Water  
Site ID: 7-3006

Project: 201013X  
Project Name: EXXONMOBIL 7-3006  
Sampler: STEVE SCHURKE

Date Collected: 8/ 1/05  
Time Collected: 13:10  
Date Received: 8/ 3/05  
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
*ORGANIC PARAMETERS*									
**Benzene	0.90	ug/l	0.50	1.0	8/ 6/05	1:51	G.Guirguis	8021B	3888
**Ethylbenzene	0.9	ug/l	0.5	1.0	8/ 6/05	1:51	G.Guirguis	8021B	3888
**Toluene	ND	ug/l	0.5	1.0	8/ 6/05	1:51	G.Guirguis	8021B	3888
**Xylenes (Total)	1.8	ug/l	0.5	1.0	8/ 6/05	1:51	G.Guirguis	8021B	3888
**TPH (Gasoline Range)	280.	ug/l	50.0	1.0	8/ 6/05	1:51	G.Guirguis	8015B	3888
**TPH (Diesel Range)	2690	ug/l	53.	1.0	8/ 6/05	23:09	B. Yanna	8015B/3510	6327
*VOLATILE ORGANICS*									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**1,2-Dichloroethane	1.90	ug/l	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**Ethanol	ND	ug/L	100.	1.0	8/ 6/05	4:24	A. Steimle	8260B	5951
**Diisopropyl ether	ND	ug/l	0.50	1.0	8/ 6/05	4:24	A. Steimle	8260/SA05-77	5951

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH	950. ml	1.00 ml	8/ 5/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	56.	52. - 132.

## ANALYTICAL REPORT

Laboratory Number: 05-A112094

Sample ID: MW14

Page 2

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Surrogate	% Recovery	Target Range
-----	-----	-----
BTEX/GRO Surr., a,a,a-TFT	76.	63. - 134.
VOA Surr 1,2-DCA-d4	94.	70. - 130.
VOA Surr Toluene-d8	94.	78. - 121.
VOA Surr, 4-BFB	115.	78. - 126.
VOA Surr, DBFM	96.	79. - 122.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

TPH-Diesel result was not consistent with diesel fuel.

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204

800-765-0980 • 615-726-3404 FAX

## PROJECT QUALITY CONTROL DATA

Project Number: 201013X

Project Name: EXXONMOBIL 7-3006

Page: 1

Laboratory Receipt Date: 8/ 3/05

### Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
**UST ANALYSIS**								
Benzene	mg/l	< 0.00050	0.0478	0.0500	96	50. - 160.	3888	05-A112059
Toluene	mg/l	< 0.0005	0.0458	0.0500	92	51. - 157.	3888	05-A112059
Ethylbenzene	mg/l	< 0.0005	0.0465	0.0500	93	47. - 159.	3888	05-A112059
Xylenes (Total)	mg/l	< 0.0005	0.0969	0.100	97	51. - 152.	3888	05-A112059
TPH (Gasoline Range)	mg/l	< 0.0500	0.884	1.00	88	43. - 150.	3888	05-A112059
TPH (Diesel Range)	mg/l	< 0.050	0.829	1.00	83	35. - 124.	6327	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				88	63 - 134	3888	
VOA Surr 1,2-DCA-d4	% Rec				62	70 - 130	5951	
VOA Surr Toluene-d8	% Rec				88	78 - 121	5951	
VOA Surr, 4-BFB	% Rec				98	78 - 126	5951	
VOA Surr, DBFM	% Rec				90	79 - 122	5951	

### Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
**UST PARAMETERS**						
Benzene	mg/l	0.0478	0.0520	8.42	30.	3888
Toluene	mg/l	0.0458	0.0494	7.56	37.	3888
Ethylbenzene	mg/l	0.0465	0.0512	9.62	38.	3888
Xylenes (Total)	mg/l	0.0969	0.103	6.10	33.	3888
TPH (Gasoline Range)	mg/l	0.884	0.933	5.39	27.	3888
TPH (Diesel Range)	mg/l	0.829	0.786	5.33	36.	6327
BTEX/GRO Surr., a,a,a-TFT	% Recovery		77.			3888
VOA Surr 1,2-DCA-d4	% Rec		67.			5951
VOA Surr Toluene-d8	% Rec		90.			5951
VOA Surr, 4-BFB	% Rec		97.			5951
VOA Surr, DBFM	% Rec		92.			5951

**PROJECT QUALITY CONTROL DATA**

Project Number: 201013X

Project Name: EXXONMOBIL 7-3006

Page: 2

Laboratory Receipt Date: 8/ 3/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
**UST PARAMETERS**						
Benzene	mg/l	0.100	0.0890	89	72 - 118	3888
Benzene	mg/l	0.100	0.0887	89	72 - 118	3888
Benzene	mg/l	0.100	0.0901	90	72 - 118	6347
Toluene	mg/l	0.100	0.0871	87	72 - 119	3888
Toluene	mg/l	0.100	0.0869	87	72 - 119	3888
Ethylbenzene	mg/l	0.100	0.0889	89	71 - 119	3888
Ethylbenzene	mg/l	0.100	0.0898	90	71 - 119	3888
Xylenes (Total)	mg/l	0.200	0.185	92	70 - 117	3888
Xylenes (Total)	mg/l	0.200	0.182	91	70 - 117	3888
TPH (Gasoline Range)	mg/l	1.00	0.884	88	64 - 130	3888
TPH (Gasoline Range)	mg/l	1.00	0.933	93	64 - 130	3888
TPH (Gasoline Range)	mg/l	1.00	0.933	93	64 - 130	3888
TPH (Gasoline Range)	mg/l	1.00	0.884	88	64 - 130	3888
BTEX/GRO Surr., a,a,a-TFT	% Recovery			88	63 - 134	3888
BTEX/GRO Surr., a,a,a-TFT	% Recovery			76	63 - 134	3888
BTEX/GRO Surr., a,a,a-TFT	% Recovery			87	63 - 134	3888
BTEX/GRO Surr., a,a,a-TFT	% Recovery			79	63 - 134	3888
BTEX/GRO Surr., a,a,a-TFT	% Recovery			98	63 - 134	6347
**UST PARAMETERS**						
TPH (Diesel Range)	mg/l	1.00	0.786	79	41 - 120	6327
**VOA PARAMETERS**						
Ethyl-t-butylether	mg/l	0.0500	0.0466	93	67 - 140	5951
tert-amyl methyl ether	mg/L	0.0500	0.0492	98	68 - 134	5951
Tertiary butyl alcohol	mg/l	0.500	0.366	73	28 - 182	5951
1,2-Dibromoethane	mg/l	0.0500	0.0477	95	72 - 135	5951
1,2-Dichloroethane	mg/l	0.0500	0.0403	81	73 - 130	5951
Methyl-t-butyl ether	mg/l	0.0500	0.0491	98	69 - 136	5951
Ethanol	mg/L	5.00	4.49	90	48 - 164	5951
Diisopropyl ether	mg/l	0.0500	0.0443	89	65 - 140	5951

**PROJECT QUALITY CONTROL DATA**

Project Number: 201013X  
Project Name: EXXONMOBIL 7-3006  
Page: 3  
Laboratory Receipt Date: 8/ 3/05

Analyte	% Rec	RPD	Limit	Q.C. Batch	Sample Dup'd
VOA Surr 1,2-DCA-d4	% Rec	72	70 - 130	5951	
VOA Surr Toluene-d8	% Rec	90	78 - 121	5951	
VOA Surr, 4-BFB	% Rec	88	78 - 126	5951	
VOA Surr, DBFM	% Rec	92	79 - 122	5951	

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
-----	-----	-----	-----	-----	-----	-----	-----

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

\*\*UST PARAMETERS\*\*

Benzene	< 0.00050	mg/l	3888	8/ 5/05	23:09
Benzene	< 0.00050	mg/l	3888	8/ 5/05	23:24
Benzene	< 0.00050	mg/l	6347	8/ 8/05	10:47
Toluene	< 0.0005	mg/l	3888	8/ 5/05	23:09
Toluene	< 0.0005	mg/l	3888	8/ 5/05	23:24
Ethylbenzene	< 0.0005	mg/l	3888	8/ 5/05	23:09
Ethylbenzene	< 0.0005	mg/l	3888	8/ 5/05	23:24
Xylenes (Total)	< 0.0005	mg/l	3888	8/ 5/05	23:09
Xylenes (Total)	< 0.0005	mg/l	3888	8/ 5/05	23:24
TPH (Gasoline Range)	< 0.0500	mg/l	3888	8/ 5/05	23:09
TPH (Gasoline Range)	< 0.0500	mg/l	3888	8/ 5/05	23:24
TPH (Diesel Range)	< 0.050	mg/l	6327	8/ 6/05	18:56
BTEX/GRO Surr., a,a,a-TFT	87.	% Recovery	3888	8/ 5/05	23:09
BTEX/GRO Surr., a,a,a-TFT	76.	% Recovery	3888	8/ 5/05	23:24
BTEX/GRO Surr., a,a,a-TFT	85.	% Recovery	6347	8/ 8/05	10:47

\*\*VOA PARAMETERS\*\*

Ethyl-t-butylether	< 0.00027	mg/l	5951	8/ 6/05	1:42
tert-amyl methyl ether	< 0.00030	mg/L	5951	8/ 6/05	1:42
Tertiary butyl alcohol	< 0.00428	mg/l	5951	8/ 6/05	1:42
1,2-Dibromoethane	< 0.00023	mg/l	5951	8/ 6/05	1:42
1,2-Dichloroethane	< 0.00039	mg/l	5951	8/ 6/05	1:42
Methyl-t-butyl ether	< 0.00023	mg/l	5951	8/ 6/05	1:42



## PROJECT QUALITY CONTROL DATA

Project Number: 201013X

Project Name: EXXONMOBIL 7-3006

Page: 4

Laboratory Receipt Date: 8/ 3/05

### Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethanol	< 0.0307	mg/L	5951	8/ 6/05	1:42
Diisopropyl ether	< 0.00018	mg/l	5951	8/ 6/05	1:42
VOA Surr 1,2-DCA-d4	96.	% Rec	5951	8/ 6/05	1:42
VOA Surr Toluene-d8	91.	% Rec	5951	8/ 6/05	1:42
VOA Surr, 4-BFB	105.	% Rec	5951	8/ 6/05	1:42
VOA Surr, DBFM	96.	% Rec	5951	8/ 6/05	1:42

# - Value outside Laboratory historical or method prescribed QC limits.





**ATTACHMENT C**  
**WASTE DISPOSAL DOCUMENTATION**

2010 13

SHIPPER NO. **B 015289**

**THIS MEMORANDUM** is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.  
RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading.

CARRIER NO. \_\_\_\_\_

**ENVIRONMENTAL RESOLUTIONS**

DATE: **8-1-05**

NAME OF CARRIER) \_\_\_\_\_ (SCAC)

TO CONSIGNEE STREET ROMIC ENVIRONMENTAL TECHNOLOGIES CORP 2081 BAY ROAD EAST PALO ALTO, CA. 94303			FROM SHIPPER STREET ORIGIN EXXON MOBIL CORPORATION C/O EPI 801 N. MCDOWELL BOULEVARD PETALUMA, CA 94954		
DESTINATION	STATE	ZIP	ORIGIN	STATE	ZIP

ROUTE: **CAD 981 411 085** U.S. DOT Hazmat Reg. No. \_\_\_\_\_ VEHICLE NUMBER \_\_\_\_\_

NO. SHIPPING UNIT	HM	Description of articles, special marks, and exceptions	*WEIGHT (Subject to correction)	Class or Rate	CHARGES (For carrier use only)	Check column
		GROUNDWATER MONITORING WELL PURGE WATER PROFILE: 301560 HANDLING CODE: <u>01</u> RECEIVED BY: <u>Andy Lang 8/5/05</u> PLACARDS TENDERED: YES _____ NO <input checked="" type="checkbox"/> PO# _____ EWR# _____ STORE NAME: <u>770 Hwy 51</u> STORE ADDRESS: <u>0076nd</u>				<b>184 gallons</b>

EMIT G.O.D. TO: \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PRESS: \_\_\_\_\_

**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".

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 \_\_\_\_\_

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

**TOTAL CHARGES: \$**

**FREIGHT CHARGES**  
Freight Prepaid except when box at right is checked  Check box if charges to be collect

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), packed, 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 the 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 carrier of it 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 the 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.

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

SHIPPER: <b>EXXON MOBIL REFINING &amp; SUPPLIES</b>	CARRIER: <b>ENVIRONMENTAL RESOLUTIONS</b>
Signature: <i>Request of Exxon Mobil</i>	PER: <i>[Signature]</i>
Signature: <i>[Signature]</i>	DATE: <b>8-5-05</b>

**EMERGENCY RESPONSE TELEPHONE NUMBER: 800-766-4248**

**MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION INCLUDING STORAGE INCIDENTAL TO TRANSPORTATION. (172.604)**