



Atlantic Richfield Company  
(a BP affiliated company)

P.O. Box 6549  
Moraga, California 94570  
Phone: (925) 299-8891  
Fax: (925) 299-8872



**RECEIVED**

*By loprojectop at 11:15 am, Apr 17, 2006*

April 11, 2006

Re: Former BP Service Station # 11132  
3201 35<sup>th</sup> Avenue  
Oakland, California  
First Quarter 2006 Groundwater Monitoring Report  
ACEH Case # RO0000014

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple  
Environmental Business Manager



April 11, 2006

Mr. Don Hwang  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: First Quarter 2006 Groundwater Monitoring Report  
Former BP Service Station #11132  
3201 35<sup>th</sup> Avenue  
Oakland, California  
ACEH Case No. RO0000014**

Dear Mr. Hwang:

On behalf of the Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *First Quarter 2006 Groundwater Monitoring Report* for the Former BP Service Station #11132, located at 3201 35th Avenue, Oakland, California.

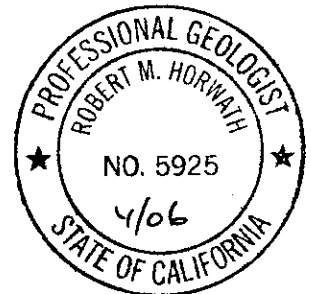
If you have any questions regarding this submission, please call me at (510) 874-1758.

Sincerely,

**URS CORPORATION**

Lynelle Onishi  
Project Manager

Robert Horwath, P.G.  
Portfolio Manager



Enclosure: First Quarter 2006 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS  
Ms. Shelby Lathrop, ConocoPhillips, copy uploaded to URS ftp server  
Mr. Rob Miller, Broadbent & Associates, Inc., electronic copy uploaded to ENFOS

# REPORT

**RECEIVED**

*By lopprojectop at 11:15 am, Apr 17, 2006*

## FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

FORMER BP SERVICE STATION #11132  
3201 35<sup>TH</sup> AVENUE  
OAKLAND, CALIFORNIA

*Prepared for*  
RM

April 11, 2006

**URS**

URS Corporation  
1333 Broadway, Suite 800  
Oakland, California 94612

Date: April 11, 2006  
Quarter: 1Q 06

### FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

Facility No.: 11132 Address: 3201 35<sup>th</sup> Avenue Oakland, CA  
RM Environmental Business Manager: Paul Supple  
Consulting Co./Contact Person: URS Corporation / Lynelle Onishi  
Primary Agency: Alameda County Environmental Health (ACEH)  
ACEH Case#: RO000014

#### WORK PERFORMED THIS QUARTER (First – 2006):

1. Performed the first quarter 2006 groundwater monitoring event on February 7, 2006.
2. Performed monthly free product (FP) gauging and bailing as an interim remedial action measure.

#### WORK PROPOSED FOR NEXT QUARTER (Second – 2006):

1. Prepared and submitted this First Quarter 2006 Groundwater Monitoring Report.
2. Perform the second quarter 2006 groundwater monitoring event.
3. Perform monthly FP gauging and bailing as an interim remedial action measure.

#### SITE SUMMARY:

Current Phase of Project:	<u>GW Monitoring/Sampling/FP Bailing</u>
Frequency of Groundwater Sampling:	<u>Quarterly: Wells MW-1, MW-2, MW-5, MW-8, MW-9, MW-10 &amp; RW-1</u> <u>Annually (1<sup>st</sup> quarter): Wells MW-3 MW-4, MW-6 &amp; MW-7</u>
Frequency of Groundwater Monitoring:	<u>Quarterly</u>
Is FP Present On-Site:	<u>On January 24 &amp; February 7: Well RW-1</u> <u>On February 7: Well MW-1</u> <u>Sheen: Wells MW-9 and MW-10</u>
FP Recovered this Quarter:	<u>0.03 gallons</u>
Cumulative FP Recovered Since 1990:	<u>52.17 gallons</u>
Current Remediation Techniques:	<u>Interim FP Bailing</u>
Approximate Depth to Groundwater :	<u>9.93 (MW-6) to 16.74 (MW-4) feet</u>
Groundwater Gradient (direction):	<u>East</u>
Groundwater Gradient (magnitude):	<u>0.02 feet per foot</u>

#### DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in seven of the nine wells sampled this quarter at concentrations ranging from 65 micrograms per liter ( $\mu\text{g/L}$ ) (MW-3) to 74,000  $\mu\text{g/L}$  (MW-2). Benzene was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 94  $\mu\text{g/L}$  (MW-8) to 8,900  $\mu\text{g/L}$  (MW-2). Toluene was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 8.7  $\mu\text{g/L}$  (MW-9) to 5,800  $\mu\text{g/L}$  (MW-2). Ethylbenzene was detected at or above the laboratory reporting limit in seven wells at concentrations ranging from 1.0  $\mu\text{g/L}$  (MW-4) to 3,600  $\mu\text{g/L}$  (MW-2). Xylenes were detected at or above the laboratory reporting limit in seven wells at concentrations ranging

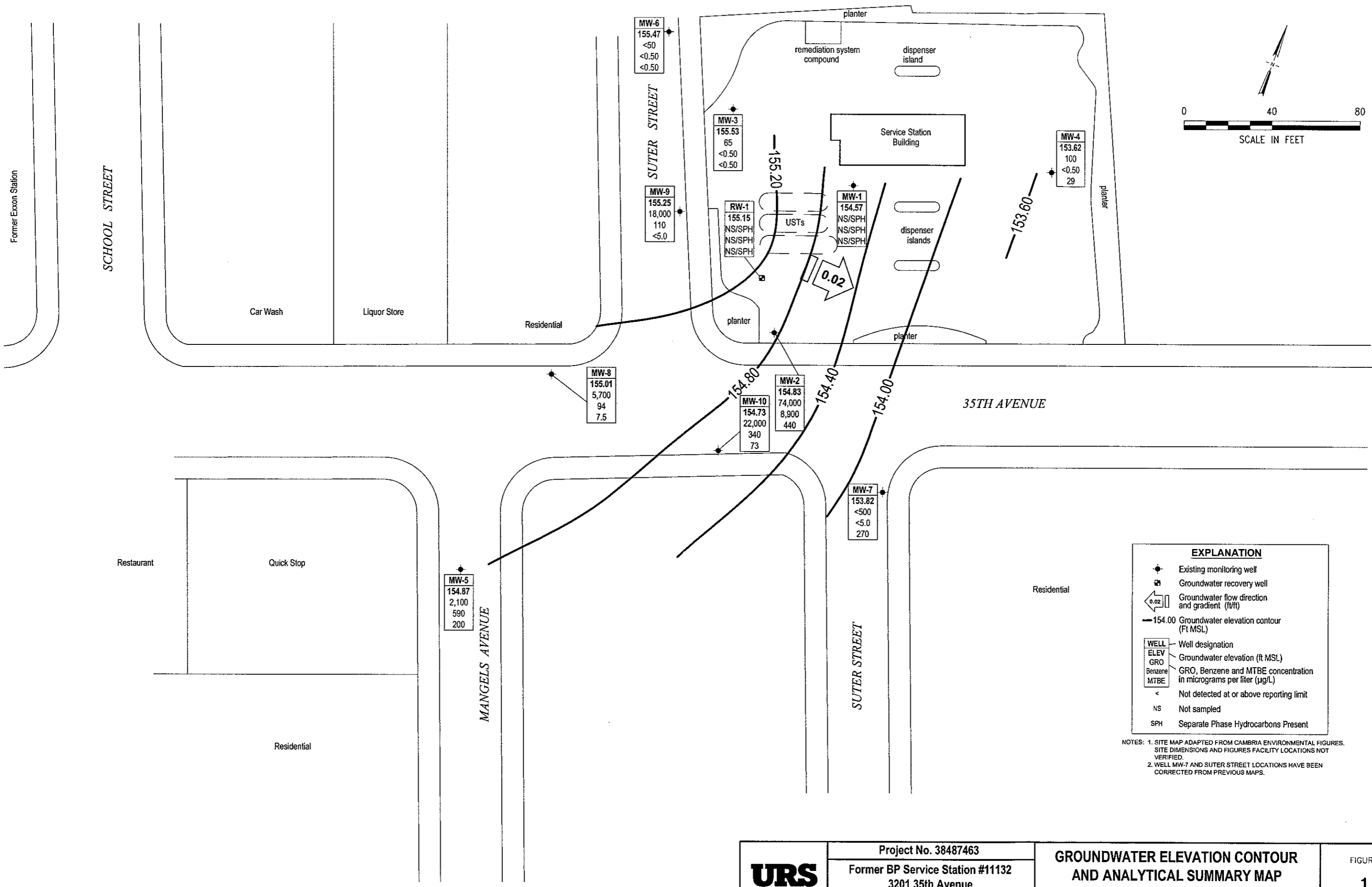
from 2.3 µg/L (MW-3) to 14,000 µg/L (MW-2). Methyl tert-butyl ether was detected at or above the laboratory reporting limit in six wells at concentrations ranging from 7.5 µg/L (MW-8) to 440 µg/L (MW-2). Tert-Amyl methyl ether was detected at or above the laboratory reporting limit in one well (MW-9) at a concentration of 5.4 µg/L. 1,2-Dichloroethane was detected at or above the laboratory reporting limit in one well (MW-2) at a concentration of 160 µg/L. No other fuel components were detected at or above their respective laboratory reporting limits in any of the wells sampled this quarter.

Wells MW-1 and RW-1 were not sampled due to the presence of free product (FP) at a thickness of 0.01 ft. Approximately 55 milliliters (mL) (0.01 gallons (gal)) of FP was bailed from well RW-1 during the January 24<sup>th</sup> product gauging/removal event. Approximately 7 mL (0.002 gal) of FP were bailed from well MW-1, and approximately 56 mL (0.01 gal) were bailed from well RW-1 during the February 7<sup>th</sup> monitoring event.

**ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 7, 2006
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 – Free Product Removal
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations

j:\king0 Apr 10, 2006 - 3:44pm X:\x\_env\waste\BP\_GEM\Sites\L\Niles Sites\11132\Reports\Monitoring\2006 Qtr 1\Drawings\11132-1Q06-GW.dwg



**EXPLANATION**

- Existing monitoring well
- ⊕ Groundwater recovery well
- ← 0.02 Groundwater flow direction and gradient (ft/ft)
- 154.00 Groundwater elevation contour (ft MSL)

WELL	—	Well designation
ELEV	—	Groundwater elevation (ft MSL)
GRO	—	GRO, Benzene and MTBE concentration in micrograms per liter (µg/L)
Benzene	—	
MTBE	—	

- < Not detected at or above reporting limit
- NS Not sampled
- SPH Separate Phase Hydrocarbons Present

NOTES: 1. SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.  
2. WELL MW-7 AND SUTER STREET LOCATIONS HAVE BEEN CORRECTED FROM PREVIOUS MAPS.

<b>URS</b>	Project No. 38487463	<b>GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP</b>	FIGURE <b>1</b>
	Former BP Service Station #11132 3201 35th Avenue Oakland, California		

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	7/9/1990	--	169.75		0.22		--	--	--	--	--	--	--	--	--	
	12/21/1990	--	169.75		0.58		--	--	--	--	--	--	--	--	--	
	3/7/1991	--	169.75	20.59	--		--	--	--	--	--	--	--	--	--	
	4/1/1991	--	169.75	16.51	0.15	153.09	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	169.75		0.18		--	--	--	--	--	--	--	--	--	
	9/27/1991	--	169.75		0.27		--	--	--	--	--	--	--	--	--	
	12/18/1991	--	169.75		0.28		--	--	--	--	--	--	--	--	--	
	7/3/1992	--	169.75	22.30	0.27	147.18	--	--	--	--	--	--	--	--	--	
	10/5/1992	--	169.75	23.98	0.24	145.53	--	--	--	--	--	--	--	--	--	
	1/13/1993	--	169.75	17.03	0.24	152.48	--	--	--	--	--	--	--	--	--	
	4/23/1993	--	169.75	18.10	0.42	151.23	--	--	--	--	--	--	--	--	--	
	7/12/1993	--	169.75	22.02	0.49	147.24	--	--	--	--	--	--	--	--	--	
	10/21/1993	--	169.75	25.12	1.09	143.54	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	169.75	23.02	0.76	145.97	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	169.75	24.54	1.80	143.41	--	--	--	--	--	--	--	--	--	
	8/1/1994	--	169.75	24.11	0.35	145.29	--	--	--	--	--	--	--	--	--	
	12/23/1994	--	169.75	18.19	0.29	151.27	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	169.75	16.25	1.10	152.40	--	--	--	--	--	--	--	--	--	
	6/8/1995	--	169.75	22.92	1.20	145.63	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	169.75	24.45	0.85	144.45	--	--	--	--	--	--	--	--	--	
	10/27/1995	--	169.75	25.41	0.69	143.65	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	169.75	18.20	1.40	150.15	--	--	--	--	--	--	--	--	--	
	4/19/1996	--	169.75	19.06	1.22	149.47	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	169.75	22.98	0.89	145.88	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	169.75	23.99	0.98	144.78	--	--	--	--	--	--	--	--	--	
	1/21/1997	--	169.75	16.80	0.90	152.05	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	169.75	21.90	0.85	147.00	--	--	--	--	--	--	--	--	--	
	4/30/1997	--	169.75	--	--	--	92,000	3,500	8,100	4,400	23,800	6,900	--	--	--	c
	4/30/1997	--	169.75	--	--	--	100,000	3,600	8,000	4,000	21,300	7,700	5.2	--	--	
	8/21/1997	--	169.75	--	--	--	120,000	3,200	8,100	3,800	19,600	5,200	--	--	--	c
	8/21/1997	--	169.75	23.40	0.87	145.48	140,000	3,000	8,500	3,900	22,100	5,700	5.3	--	--	
	11/5/1997	--	169.75	--	--	--	88,000	7,300	4,800	3,600	16,900	8,200	--	--	--	c

**Table 1**  
**Groundwater Elevation and Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	11/5/1997	--	169.75	23.70	0.54	145.51	68,000	6,200	4,400	3,300	14,300	8,000	4.7	--	--	
	2/3/1998	--	169.75	13.63	0.32	155.80	--	--	--	--	--	--	--	--	--	
	2/4/1998	--	169.75	--	--	--	160,000	2,300	8,400	5,000	29,400	<10000	--	--	--	c
	2/4/1998	--	169.75	--	--	--	190,000	2,200	10,000	5,600	32,000	<10000	5.3	--	--	
	5/28/1998	--	169.75	18.03	0.17	151.55	87,000	980	3,900	3,600	19,000	2,900	3.8	--	--	
	12/30/1998	--	169.75	19.50	0.08	150.17	70,000	530	3,200	2,900	16,000	3,600	--	--	--	
	2/2/1999	--	169.75	18.93	0.03	150.79	79,000	480	3,100	3,500	21,000	3,500	--	--	--	
	5/10/1999	--	169.75	18.28	0.03	151.44	110,000	160	1,900	3,700	24,000	3,000	--	--	--	
	8/24/1999	--	169.75	20.13	0.06	149.56	110,000	850	1,300	1,900	19,000	<50	--	--	--	
	11/3/1999	--	169.75	22.27	0.36	147.12	65,000	6,300	1,100	3,300	9,500	8,900	--	--	--	
	3/1/2000	--	169.75	14.79	0.23	154.73	--	--	--	--	--	--	--	--	--	h
	4/21/2000	--	169.75	18.10	0.33	151.32	61,000	330	780	2,700	17,000	1,300	--	--	--	
	7/31/2000	--	169.75	21.60	0.53	147.62	1,500,000	340	2,100	24,000	120,000	2,700	--	--	--	
	11/20/2000	--	169.75	21.69	0.37	147.69	1,700,000	1,800	2,300	19,000	93,000	3,900	--	--	--	
	2/18/2001	--	169.75	16.70	0.13	152.92	--	--	--	--	--	--	--	--	--	
	2/26/2001	--	169.75	14.38	0.15	155.22	100,000	658	466	4,210	15,000	1,890	--	--	--	
	6/7/2001	--	169.75	20.78	0.00	148.97	70,000	705	440	3,870	12,200	2,720	--	--	--	
	9/5/2001	--	169.75	23.36	0.35	146.04	--	--	--	--	--	--	--	--	--	j
	11/30/2001	--	169.75	20.85	0.41	148.49	--	--	--	--	--	--	--	--	--	k
	12/6/2001	--	169.75	18.72	0.27	150.76	39,000	3,500	237	2,150	4,500	5,400	--	--	--	
	2/20/2002	--	169.75	17.43	0.15	152.17	52,000	465	271	1,600	11,400	106	--	--	--	
	6/20/2002	--	169.75	21.18	0.34	148.23	--	--	--	--	--	--	--	--	--	j
	9/11/2002	--	169.75	22.86	0.40	146.49	--	--	--	--	--	--	--	--	--	j
	11/12/2002	--	169.75	22.65	0.37	146.73	--	--	--	--	--	--	--	--	--	j
	1/29/2003	--	169.75	18.15	0.30	151.30	--	--	--	--	--	--	--	--	--	j,n
	5/22/2003	--	169.75	18.49	0.20	151.06	--	--	--	--	--	--	--	--	--	j
	6/24/2003	--	169.75	21.44	0.35	147.96	--	--	--	--	--	--	--	--	--	o
	7/28/2003	--	169.75	22.72	0.35	146.68	--	--	--	--	--	--	--	--	--	j
	8/12/2003	--	169.75	22.64	0.23	146.88	--	--	--	--	--	--	--	--	--	o
	9/12/2003	--	169.75	20.70	0.24	148.81	--	--	--	--	--	--	--	--	--	o
	11/18/2003	NP	169.75	21.70	0.25	148.25	--	--	--	--	--	--	--	--	--	
	02/23/2004	NP	169.75	16.34	0.09	153.48	--	--	--	--	--	--	--	--	--	



**Table 1**  
**Groundwater Elevation and Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	05/04/2004	NP	169.75	21.28	0.16	148.60	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	169.75	22.54	0.10	147.29	--	--	--	--	--	--	--	--	--	
	09/22/2004	NP	169.75	22.76	0.20	147.15	--	--	--	--	--	--	--	--	--	
	11/10/2004	--	169.75	20.19	0.14	149.67	--	--	--	--	--	--	--	--	--	
	01/13/2005	--	169.75	14.58	0.03	155.19	--	--	--	--	--	--	--	--	--	
	02/15/2005	--	169.75	16.13	0.04	153.65	--	--	--	--	--	--	--	--	--	
	03/07/2005	--	169.75	13.31	0.01	156.45	--	--	--	--	--	--	--	--	--	
	05/16/2005	--	169.75	15.74	0.02	154.03	--	--	--	--	--	--	--	--	--	
	08/17/2005	--	169.75	21.15	0.08	148.66	--	--	--	--	--	--	--	--	--	
	11/18/2005	--	169.75	20.15	0.06	149.65	--	--	--	--	--	--	--	--	--	
	<b>02/07/2006</b>	<b>--</b>	<b>169.75</b>	<b>15.19</b>	<b>0.01</b>	<b>154.57</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>j</b>
MW-2	7/9/1990	--	168.14		0.10		--	--	--	--	--	--	--	--	--	
	12/21/1990	--	168.14		0.48		--	--	--	--	--	--	--	--	--	
	3/7/1991	--	168.14	19.18	--		--	--	--	--	--	--	--	--	--	
	4/1/1991	--	168.14	15.21	0.10	152.83	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	168.14		0.19		--	--	--	--	--	--	--	--	--	
	9/27/1991	--	168.14		0.15		--	--	--	--	--	--	--	--	--	
	12/18/1991	--	168.14		0.36		--	--	--	--	--	--	--	--	--	
	7/3/1992	--	168.14	20.93	0.03	147.18	--	--	--	--	--	--	--	--	--	
	10/5/1992	--	168.14	22.74	0.21	145.19	--	--	--	--	--	--	--	--	--	
	1/13/1993	--	168.14	15.55	0.02	152.57	--	--	--	--	--	--	--	--	--	
	4/23/1993	--	168.14	16.54	0.21	151.39	--	--	--	--	--	--	--	--	--	
	7/12/1993	--	168.14	20.46	0.06	147.62	--	--	--	--	--	--	--	--	--	
	10/21/1993	--	168.14	24.91	0.31	142.92	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	168.14	21.20	--	146.94	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	168.14	22.44	--	145.70	1,800	140	370	54	290	24	1.7	--	--	i
	8/1/1994	--	168.14	22.24	0.04	145.86	--	--	--	--	--	--	--	--	--	
	12/23/1994	--	168.14	16.25	0.03	151.86	--	--	--	--	--	--	--	--	--	
1/26/1995	--	168.14	14.55	0.39	153.20	--	--	--	--	--	--	--	--	--		
6/8/1995	--	168.14	21.18	0.43	146.53	--	--	--	--	--	--	--	--	--		
8/22/1995	--	168.14	22.76	0.36	145.02	--	--	--	--	--	--	--	--	--		
10/27/1995	--	168.14	23.61	0.30	144.23	--	--	--	--	--	--	--	--	--		

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	1/25/1996	--	168.14	15.95	0.15	152.04	--	--	--	--	--	--	--	--	--	
	4/19/1996	--	168.14	17.33	0.07	150.74	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	168.14	21.25	0.05	146.84	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	168.14	22.27	0.01	145.86	--	--	--	--	--	--	--	--	--	
	1/21/1997	--	168.14	15.19	0.01	152.94	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	168.14	20.22	0.01	147.91	--	--	--	--	--	--	--	--	--	
	4/30/1997	--	168.14		--		130,000	4,600	15,000	6,000	37,000	<5000	5	--	--	
	8/21/1997	--	168.14	21.74	0.01	146.39	110,000	6,000	16,000	4,700	28,000	<500	4.6	--	--	
	11/5/1997	--	168.14	21.61	0.01	146.52	120,000	7,800	18,000	4,900	28,100	<2500	4.6	--	--	
	2/3/1998	--	168.14	11.51	--	156.63	75,000	590	1,500	1,800	12,800	<2500	4.5	--	--	
	5/28/1998	--	168.14	16.51	--	151.63	79,000	3,900	3,100	3,100	18,000	900	4.3	--	--	
	12/30/1998	--	168.14	17.70	--	150.44	95,000	4,700	3,500	3,700	21,000	<250	--	--	--	
	2/2/1999	--	168.14	15.46	--	152.68	170,000	3,500	1,500	5,200	34,000	<500	--	--	--	
	5/10/1999	--	168.14	16.52	--	151.62	84,000	3,200	3,200	3,700	20,000	75	--	--	--	
	8/24/1999	--	168.14	20.73	--	147.41	130,000	9,100	9,200	4,700	27,000	<250	--	--	--	
	11/3/1999	--	168.14	20.93	--	147.21	120,000	10,000	21,000	4,700	30,200	2,200	--	--	--	
	3/1/2000	--	168.14	13.37	--	154.77	39,000	1,400	1,500	1,700	8,100	44	--	--	--	
	4/21/2000	--	168.14	16.59	--	151.55	68,000	3,300	2,500	3,100	20,000	260	--	--	--	
	7/31/2000	--	168.14	16.37	--	151.77	99,000	5,600	1,400	4,300	22,000	490	--	--	--	
	11/20/2000	--	168.14	19.71	--	148.43	37,000	5,100	1,500	1,300	4,800	2,800	--	--	--	
	2/18/2001	--	168.14	15.29	--	152.85	54,000	5,020	3,880	2,850	15,400	1,010	--	--	--	
	6/7/2001	--	168.14	19.43	--	148.71	110,000	7,240	4,380	4,160	22,100	567	--	--	--	
	9/5/2001	--	168.14	22.44	--	145.70	69,000	5,750	5,790	2,770	14,200	1,510	--	--	--	
	11/30/2001	--	168.14	19.58	--	148.56	120,000	7,270	6,540	4,590	23,000	794	--	--	--	
	2/20/2002	--	168.14	16.39	--	151.75	56,000	2,410	2,270	2,910	14,300	160	--	--	--	
	6/20/2002	--	168.14	19.77	--	148.37	86,000	7,310	6,490	3,080	14,600	659	--	--	--	
	9/11/2002	--	168.14	21.60	--	146.54	130,000	7,600	13,000	5,400	30,000	<5000	--	--	--	
	11/12/2002	--	168.14	21.34	--	146.80	46,000	4,100	4,300	1,900	10,000	1,900	--	--	--	t
	1/29/2003	--	168.14	16.80	--	151.34	77,000	4,700	2,600	2,800	13,000	820	--	--	--	n,t
	5/22/2003	--	168.14	17.15	--	150.99	52,000	6,400	2,600	1,800	7,400	1,000	--	--	--	t
	7/28/2003	--	168.14	21.47	--	146.67	31,000	6,900	5,500	2,200	12,000	1,700	--	--	--	p
	11/18/2003	P	168.14	20.50	--	147.64	23,000	3,300	800	500	2,000	500	--	SEQM	6.6	

Table 1

**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	02/23/2004	P	168.14	14.77	--	153.37	84,000	14,000	6,200	3,100	14,000	790	--	SEQM	6.6	t
	05/04/2004	P	168.14	20.09	--	148.05	120,000	15,000	17,000	4,900	24,000	780	--	SEQM	6.6	t
	08/04/2004	P	168.14	21.39	--	146.75	38,000	9,100	3,300	1,900	5,800	430	--	SEQM	6.69	t
	11/10/2004	P	168.14	18.98	--	149.16	22,000	4,400	2,000	940	3,600	310	--	SEQM	7.5	
	02/15/2005	P	168.14	15.62	--	152.52	67,000	11,000	4,200	3,000	11,000	690	--	SEQM	7.1	t
	05/16/2005	P	168.14	14.71	--	153.43	94,000	11,000	7,600	4,100	17,000	560	--	SEQM	6.5	
	08/17/2005	P	168.14	20.00	--	148.14	110,000	13,000	8,000	4,300	18,000	480	--	SEQM	6.6	
	11/18/2005	P	168.14	20.89	--	147.25	37,000	11,000	2,400	1,500	4,600	340	--	SEQM	6.6	
	02/07/2006	P	168.14	13.31	--	154.83	74,000	8,900	5,800	3,600	14,000	440	--	SEQM	6.7	
MW-3	7/9/1990	--	167.17		--		140	5.3	4.6	2	3.8	--	--	--	--	
	12/21/1990	--	167.17		--		0.19	100	6	0.9	27	--	--	--	--	
	3/7/1991	--	167.17	17.40	--	149.77	0.4	69	22	6.1	57	--	--	--	--	
	4/1/1991	--	167.17	13.69	--	153.48	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	167.17		--		380	28	26	13	46	--	--	--	--	
	9/27/1991	--	167.17		--		0.07	7.9	--	0.4	1.1	--	--	--	--	
	12/18/1991	--	167.17		--		0.26	34	24	0.8	28	--	--	--	--	
	7/3/1992	--	167.17	19.59	--	147.58	71	9.4	0.9	5	13	--	--	--	--	
	10/5/1992	--	167.17	--	--	--	<50	2.2	<0.5	1.5	2.8	--	--	--	--	c
	10/5/1992	--	167.17	21.22	--	145.95	67	5.1	1.1	6.1	8.1	--	--	--	--	
	1/13/1993	--	167.17	13.63	--	153.54	830	50	34	42	89	--	--	--	--	i
	4/23/1993	--	167.17	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	c,i
	4/23/1993	--	167.17	15.02	--	152.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	7/12/1993	--	167.17	19.16	--	148.01	250	12	4.2	12	16	<5.0	--	--	--	i
	10/21/1993	--	167.17	--	--	--	65	7.4	1	6.9	4.2	--	--	--	--	c
	10/21/1993	--	167.17	21.81	--	145.36	52	4.4	1.4	4.7	3.3	<5.0	--	--	--	i
	1/21/1994	--	167.17	19.94	--	147.23	57	3	3.4	3.6	9	<5.0	--	--	--	i
	4/20/1994	--	167.17	20.24	--	146.93	600	26	23	33	88	28.7	1.8	--	--	i
	8/1/1994	--	167.17	--	--	--	120	7.7	1.6	5.9	6.7	5.43	--	--	--	c,i
	8/1/1994	--	167.17	20.74	--	146.43	99	6.2	1.1	4.5	5.2	<5.0	1.4	--	--	i
	12/23/1994	--	167.17	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	c
	12/23/1994	--	167.17	14.70	--	152.47	<50	<0.5	0.78	<0.5	<0.5	9.8	1.7	--	--	i
	1/26/1995	--	167.17	12.89	--	154.28	190	16	0.5	35	24	--	6.6	--	--	d

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	6/8/1995	--	167.17	19.95	--	147.22	330	21	4	34	32	--	7	--	--	
	8/22/1995	--	167.17	21.41	--	145.76	150	14	<0.50	<0.50	1.6	<5.0	6.6	--	--	d
	10/27/1995	--	167.17	22.43	--	144.74	--	--	--	--	--	--	--	--	--	
	10/30/1995	--	167.17		--		51	2.4	<0.50	<0.50	<1.0	<5.0	6.9	--	--	
	1/25/1996	--	167.17	14.03	--	153.14	<50	<0.50	<0.50	<0.50	<1.0	5.1	--	--	--	
	4/19/1996	--	167.17	15.26	--	151.91	460	55	4	33	63	<10	9.4	--	--	
	7/23/1996	--	167.17	19.19	--	147.98	<50	<0.5	<0.5	<0.5	<0.5	<10	9.2	--	--	
	11/11/1996	--	167.17	20.24	--	146.93	<250	<2.5	<5.0	<5.0	<5.0	<50	8.4	--	--	
	1/21/1997	--	167.17	13.09	--	154.08	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	--	--	
	4/29/1997	--	167.17	18.14	--	149.03	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	--	--	
	8/21/1997	--	167.17	19.64	--	147.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	--	--	
	11/5/1997	--	167.17	19.95	--	147.22	<250	<2.5	<5.0	<5.0	<5.0	<50	4.5	--	--	
	2/3/1998	--	167.17	10.57	--	156.60	<50	<0.50	<1.0	<1.0	<1.0	<10	4.7	--	--	
	5/28/1998	--	167.17	14.65	--	152.52	330	<2.5	<5.0	<5.0	<5.0	<50	4.2	--	--	
	12/30/1998	--	167.17	16.63	--	150.54	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	167.17	13.12	--	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	
	5/10/1999	--	167.17	14.21	--	152.96	--	--	--	--	--	--	--	--	--	
	8/24/1999	--	167.17	14.36	--	152.81	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	167.17	19.21	--	147.96	--	--	--	--	--	--	--	--	--	
	3/1/2000	--	167.17	15.17	--	152.00	<50	<0.5	0.57	<0.5	0.62	<0.5	--	--	--	
	4/21/2000	--	167.17	14.88	--	152.29	--	--	--	--	--	--	--	--	--	
	7/31/2000	--	167.17	15.29	--	151.88	--	--	--	--	--	--	--	--	--	
	11/20/2000	--	167.17	17.31	--	149.86	--	--	--	--	--	--	--	--	--	
	2/18/2001	--	167.17	12.85	--	154.32	160	1.95	1.31	10.2	9.09	1	--	--	--	
	6/7/2001	--	167.17	18.00	--	149.17	--	--	--	--	--	--	--	--	--	
	9/5/2001	--	167.17	20.32	--	146.85	--	--	--	--	--	--	--	--	--	
	11/30/2001	--	167.17	16.94	--	150.23	--	--	--	--	--	--	--	--	--	
	2/20/2002	--	167.17	14.84	--	152.33	86	<0.5	0.845	6.58	5.75	<0.5	--	--	--	
	6/20/2002	--	167.17	18.40	--	148.77	--	--	--	--	--	--	--	--	--	
	9/11/2002	--	167.17	20.06	--	147.11	--	--	--	--	--	--	--	--	--	
	11/12/2002	--	167.17	19.84	--	147.33	--	--	--	--	--	--	--	--	--	
	1/27/2003	--	167.17	14.83	--	152.34	850	20	9.7	24	45	0.76	--	--	--	n

Table 1

**Groundwater Elevation and Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	5/22/2003	--	167.17	15.60	--	151.57	--	--	--	--	--	--	--	--	--	
	7/28/2003	--	167.17	20.12	--	147.05	--	--	--	--	--	--	--	--	--	p
	11/18/2003	--	167.17	19.15	--	148.02	--	--	--	--	--	--	--	--	--	
	02/23/2004	--	167.17	13.53	--	153.64	160	<0.50	1.1	9.6	12	<0.50	--	SEQM	6.7	
	05/04/2004	--	167.17	18.61	--	148.56	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	167.17	19.21	--	147.96	--	--	--	--	--	--	--	--	--	
	11/10/2004	--	167.17	17.48	--	149.69	--	--	--	--	--	--	--	--	--	
	02/15/2005	P	167.17	14.31	--	152.86	500	7.8	1.8	9.2	9.6	1.7	--	SEQM	7.5	
	05/16/2005	--	167.17	13.11	--	154.06	--	--	--	--	--	--	--	--	--	
	08/17/2005	--	167.17	18.53	--	148.64	--	--	--	--	--	--	--	--	--	
	11/18/2005	--	167.17	19.34	--	147.83	--	--	--	--	--	--	--	--	--	
	02/07/2006	P	167.17	11.64	--	155.53	65	<0.50	<0.50	1.4	2.3	<0.50	--	SEQM	7.1	
MW-4	7/9/1990	--	170.36		--		--	--	--	--	--	--	--	--	--	
	12/21/1990	--	170.36		--		--	--	--	--	0.8	--	--	--	--	
	3/7/1991	--	170.36	20.72	--	149.64	--	2.2	3.8	1.5	2.8	--	--	--	--	
	4/1/1991	--	170.36	17.49	--	152.87	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	170.36		--		--	6.3	1.8	0.4	1	--	--	--	--	
	9/27/1991	--	170.36		--		--	--	--	--	--	--	--	--	--	
	12/18/1991	--	170.36		--		--	--	--	--	--	--	--	--	--	
	7/3/1992	--	170.36	22.16	--	148.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	10/5/1992	--	170.36	23.38	--	146.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	1/13/1993	--	170.36	17.58	--	152.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	4/23/1993	--	170.36	15.72	--	154.64	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	7/12/1993	--	170.36	21.74	--	148.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	10/21/1993	--	170.36	23.84	--	146.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	1/21/1994	--	170.36	22.42	--	147.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	4/20/1994	--	170.36	22.66	--	147.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.2	--	--	i
	8/1/1994	--	170.36	23.01	--	147.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.9	--	--	i
	12/23/1994	--	170.36	17.03	--	153.33	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	170.36	17.42	--	152.94	<50	<0.5	<0.5	<0.5	<1	--	7.5	--	--	
	6/8/1995	--	170.36	21.55	--	148.81	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	170.36	23.47	--	146.89	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.4	--	--	d

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	10/27/1995	--	170.36	24.50	--	145.86	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	170.36	18.74	--	151.62	<50	<0.50	<0.50	<0.50	<1.0	58	--	--	--	
	4/19/1996	--	170.36	18.63	--	151.73	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	170.36	22.56	--	147.80	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	170.36	23.63	--	146.73	<50	<1.0	<1.0	<1.0	<1.0	34	8.2	--	--	
	1/21/1997	--	170.36	16.59	--	153.77	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	170.36	21.43	--	148.93	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	--	--	
	8/21/1997	--	170.36	22.91	--	147.45	--	--	--	--	--	--	--	--	--	
	11/5/1997	--	170.36	22.34	--	148.02	60	<0.5	<1.0	<1.0	<1.0	76	4.9	--	--	
	2/3/1998	--	170.36	12.26	--	158.10	--	--	--	--	--	--	--	--	--	
	5/28/1998	--	170.36	18.50	--	151.86	70	<0.5	<1.0	<1.0	<1.0	160	4.2	--	--	
	12/30/1998	--	170.36	19.69	--	150.67	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	170.36	18.26	--	152.10	70	<1.0	<1.0	<1.0	<1.0	130	--	--	--	
	5/10/1999	--	170.36	17.86	--	152.50	--	--	--	--	--	--	--	--	--	
	8/24/1999	--	170.36	17.93	--	152.43	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	170.36	22.78	--	147.58	--	--	--	--	--	--	--	--	--	
	3/1/2000	--	170.36	18.04	--	152.32	<50	<0.5	0.67	<0.5	0.7	110	--	--	--	
	4/21/2000	--	170.36	17.36	--	153.00	--	--	--	--	--	--	--	--	--	
	7/31/2000	--	170.36	17.83	--	152.53	--	--	--	--	--	--	--	--	--	
	11/20/2000	--	170.36	18.91	--	151.45	--	--	--	--	--	--	--	--	--	
	2/18/2001	--	170.36	17.72	--	152.64	88	<0.5	<0.5	<0.5	<0.5	97.3	--	--	--	
	6/7/2001	--	170.36	20.23	--	150.13	--	--	--	--	--	--	--	--	--	
	9/5/2001	--	170.36	22.76	--	147.60	--	--	--	--	--	--	--	--	--	
	11/30/2001	--	170.36	21.30	--	149.06	--	--	--	--	--	--	--	--	--	
	2/20/2002	--	170.36	19.32	--	151.04	76	<0.5	<0.5	<0.5	<1.0	81	--	--	--	
	6/20/2002	--	170.36	20.71	--	149.65	--	--	--	--	--	--	--	--	--	
	9/11/2002	--	170.36	22.22	--	148.14	--	--	--	--	--	--	--	--	--	
	11/12/2002	--	170.36	22.22	--	148.14	--	--	--	--	--	--	--	--	--	
	1/29/2003	--	170.36	19.80	--	150.56	100	<0.5	<0.5	<0.5	<0.5	66	--	--	--	n
	5/22/2003	--	170.36	19.35	--	151.01	--	--	--	--	--	--	--	--	--	
	7/28/2003	--	170.36	22.18	--	148.18	--	--	--	--	--	--	--	--	--	p
	11/18/2003	--	170.36	21.65	--	148.71	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	02/23/2004	P	170.36	17.53	--	152.83	75	<0.50	<0.50	<0.50	<0.50	65	--	SEQM	6.8	
	05/04/2004	--	170.36	20.62	--	149.74	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	170.36	21.30	--	149.06	--	--	--	--	--	--	--	--	--	
	11/10/2004	--	170.36	20.65	--	149.71	--	--	--	--	--	--	--	--	--	
	02/15/2005	P	170.36	18.91	--	151.45	<50	<0.50	<0.50	<0.50	<0.50	62	--	SEQM	7.6	
	05/16/2005	--	170.36	17.34	--	153.02	--	--	--	--	--	--	--	--	--	
	08/17/2005	--	170.36	21.31	--	149.05	--	--	--	--	--	--	--	--	--	
	11/18/2005	--	170.36	21.67	--	148.69	--	--	--	--	--	--	--	--	--	
	02/07/2006	P	170.36	16.74	--	153.62	100	<0.50	<0.50	1.0	3.0	29	--	SEQM	6.8	
MW-5	7/9/1990	--	165.14		--		280	200	210	46	290	--	--	--	--	
	12/21/1990	--	165.14		--		0.69	300	34	8.4	39	--	--	--	--	
	3/7/1991	--	165.14	16.60	--	148.54	--	17	0.9	0.7	1.6	--	--	--	--	
	4/1/1991	--	165.14	11.99	--	153.15	800	250	54	11	60	--	--	--	--	
	6/27/1991	--	165.14		--		330	120	10	12	8	--	--	--	--	
	9/27/1991	--	165.14		--		0.73	230	16	20	22	--	--	--	--	
	12/18/1991	--	165.14		--		--	--	--	--	--	--	--	--	--	
	7/3/1992	--	165.14	18.65	--	146.49	150	36	<0.5	<0.5	1.1	--	--	--	--	
	10/5/1992	--	165.14	20.32	--	144.82	270	79	4	1.7	2.9	--	--	--	--	
	1/13/1993	--	165.14	13.03	--	152.11	180	59	6	1.8	7.6	--	--	--	--	i
	4/23/1993	--	165.14	13.51	--	151.63	8,700	440	96	35	136	--	--	--	--	i
	7/12/1993	--	165.14	18.06	--	147.08	250	57	2.9	2.1	6	<5.0	--	--	--	i
	10/21/1993	--	165.14	20.41	--	144.73	210	82	1.5	<0.5	1.4	--	--	--	--	i
	1/21/1994	--	165.14	18.86	--	146.28	110	36	1.2	<0.5	0.7	<5.0	--	--	--	i
	4/20/1994	--	165.14	17.30	--	147.84	690	230	4.5	1.6	11	21.2	1.3	--	--	i
	8/1/1994	--	165.14	17.53	--	147.61	170	44	1.6	0.9	2.7	<5.0	0.9	--	--	i
	12/23/1994	--	165.14	11.63	--	153.51	630	180	1.9	0.66	1.9	7.81	1.4	--	--	i
	1/26/1995	--	165.14	11.25	--	153.89	160	68	<0.5	<0.5	22	--	5.9	--	--	
	6/8/1995	--	165.14	--	--	--	1,700	560	51	55	170	--	--	--	--	c
	6/8/1995	--	165.14	16.80	--	148.34	2,000	630	58	61	180	--	6.5	--	--	
	8/22/1995	--	165.14	19.02	--	146.12	3,700	1,100	18	27	59	<130	7.3	--	--	d
	10/27/1995	--	165.14	20.94	--	144.20	--	--	--	--	--	--	--	--	--	
	10/30/1995	--	165.14		--		6,500	2,200	55	180	270	<250	7.5	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	1/25/1996	--	165.14	--	--	--	540	37	0.66	<0.50	<1.0	<5.0	--	--	--	c
	1/25/1996	--	165.14	13.30	--	151.84	590	37	0.7	<0.50	<1.0	<5.0	--	--	--	
	4/19/1996	--	165.14	13.63	--	151.51	1,500	470	38	49	210	<50	8.1	--	--	
	7/23/1996	--	165.14	17.61	--	147.53	140	4.6	<0.5	<0.5	<0.5	<10	8	--	--	
	11/11/1996	--	165.14	18.70	--	146.44	140	40	<1.0	<1.0	<1.0	<10	7.9	--	--	
	1/21/1997	--	165.14	11.63	--	153.51	730	300	<5.0	7.8	26	<50	5	--	--	
	4/29/1997	--	165.14	16.74	--	148.40	340	530	<5.0	<5.0	<5.0	<50	4.8	--	--	
	8/21/1997	--	165.14	18.26	--	146.88	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	--	--	
	11/5/1997	--	165.14	18.84	--	146.30	120	13	<1.0	<1.0	<1.0	<10	4.4	--	--	
	2/3/1998	--	165.14	9.49	--	155.65	<50	<0.50	<1.0	<1.0	<1.0	<10	4.3	--	--	
	5/28/1998	--	165.14	13.57	--	151.57	4,900	1,500	34	180	311	<10	4.1	--	--	
	12/30/1998	--	165.14	14.65	--	150.49	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	165.14	12.56	--	152.58	100	<1.0	<1.0	<1.0	<1.0	9.1	--	--	--	
	5/10/1999	--	165.14	13.36	--	151.78	--	--	--	--	--	--	--	--	--	
	8/24/1999	--	165.14	13.50	--	151.64	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	165.14	18.48	--	146.66	--	--	--	--	--	--	--	--	--	
	3/1/2000	--	165.14	9.59	--	155.55	<50	<0.5	0.58	<0.5	0.54	2.9	--	--	--	
	4/21/2000	--	165.14	13.52	--	151.62	--	--	--	--	--	--	--	--	--	
	7/31/2000	--	165.14	14.04	--	151.10	--	--	--	--	--	--	--	--	--	
	11/20/2000	--	165.14	15.89	--	149.25	--	--	--	--	--	--	--	--	--	
	2/18/2001	--	165.14	11.88	--	153.26	560	161	2.38	6.11	13	5.67	--	--	--	
	6/7/2001	--	165.14	15.30	--	149.84	--	--	--	--	--	--	--	--	--	
	9/5/2001	--	165.14	19.32	--	145.82	--	--	--	--	--	--	--	--	--	
	11/30/2001	--	165.14	17.44	--	147.70	--	--	--	--	--	--	--	--	--	
	2/20/2002	--	165.14	13.88	--	151.26	4,200	940	18.7	98.2	176	55.6	--	--	--	
	6/20/2002	--	165.14	16.20	--	148.94	--	--	--	--	--	--	--	--	--	
	9/11/2002	--	165.14	19.15	--	145.99	--	--	--	--	--	--	--	--	--	
	11/12/2002	--	165.14	19.01	--	146.13	390	55	0.89	3.4	3.5	210	--	--	--	
	1/29/2003	--	165.14	16.33	--	148.81	7,900	1,400	34	220	350	82	--	--	--	n
	5/22/2003	--	165.14	14.35	--	150.79	9,900	2,300	91	400	690	<50	--	--	--	
	7/28/2003	--	165.14	18.90	--	146.24	3,200	690	14	81	100	120	--	--	--	p
	11/18/2003	--	165.14	--	--	--	--	--	--	--	--	--	--	--	--	e, q



Table 1

## Groundwater Elevation and Analytical Data

Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	02/23/2004	P	165.14	12.21	--	152.93	7,500	1,500	100	190	350	100	--	SEQM	6.7	
	05/04/2004	P	165.14	17.12	--	148.02	5,900	1,500	57	200	280	42	--	SEQM	6.6	
	08/04/2004	P	165.14	19.05	--	146.09	<2,500	<25	<25	<25	<25	390	--	SEQM	6.69	
	11/10/2004	P	165.14	16.95	--	148.19	870	80	<5.0	<5.0	<5.0	530	--	SEQM	7.5	
	02/15/2005	P	165.14	12.75	--	152.39	1,600	330	8.0	37	67	260	--	SEQM	7.2	
	05/16/2005	P	165.14	15.46	--	149.68	<500	<5.0	<5.0	<5.0	<5.0	370	--	SEQM	6.7	
	08/17/2005	P	165.14	17.00	--	148.14	7,000	1,000	17	110	130	51	--	SEQM	6.6	
	11/18/2005	P	165.14	18.33	--	146.81	1,900	91	<5.0	33	29	340	--	SEQM	7.3	
	02/07/2006	P	165.14	10.27	--	154.87	2,100	590	9.6	86	110	200	--	SEQM	6.7	
MW-6	7/9/1990	--	165.4		--		--	--	--	--	--	--	--	--	--	
	12/21/1990	--	165.4		--		0.17	2.6	7	4.9	26	--	--	--	--	
	3/7/1991	--	165.4		--		--	--	--	--	--	--	--	--	--	e
	4/1/1991	--	165.4	11.79	--	153.61	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	165.4		--		--	--	--	--	--	--	--	--	--	e
	9/27/1991	--	165.4		--		--	--	--	--	--	--	--	--	--	e
	12/18/1991	--	165.4		--		--	1.3	22	--	2.7	--	--	--	--	
	7/3/1992	--	165.4	17.77	--	147.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	10/5/1992	--	165.4	19.46	--	145.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	1/13/1993	--	165.4	11.34	--	154.06	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	4/23/1993	--	165.4	12.92	--	152.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	7/12/1993	--	165.4	17.36	--	148.04	<50	<0.5	<0.5	<0.5	0.7	<5.0	--	--	--	i
	10/21/1993	--	165.4	19.98	--	145.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	1/21/1994	--	165.4	18.10	--	147.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	4/20/1994	--	165.4	18.68	--	146.72	<50	<0.5	<0.5	<0.5	<0.5	17.4	2	--	--	i
	8/1/1994	--	165.4	18.90	--	146.50	<50	<0.5	<0.5	<0.5	<0.5	8.66	1.5	--	--	i
	12/23/1994	--	165.4	12.94	--	152.46	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	165.4	10.46	--	154.94	<50	<0.5	<0.5	<0.5	<1	--	7.3	--	--	
	6/8/1995	--	165.4	16.84	--	148.56	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	165.4	19.48	--	145.92	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.7	--	--	d
	10/27/1995	--	165.4	20.39	--	145.01	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	165.4	12.24	--	153.16	<50	<0.50	<0.50	<0.50	<1.0	9.9	--	--	--	
	4/19/1996	--	165.4	13.90	--	151.50	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	7/23/1996	--	165.4	17.83	--	147.57	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	165.4	18.90	--	146.50	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	--	--	
	1/21/1997	--	165.4	11.97	--	153.43	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	165.4	17.04	--	148.36	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	--	--	
	8/21/1997	--	165.4	18.58	--	146.82	--	--	--	--	--	--	--	--	--	
	11/5/1997	--	165.4	19.17	--	146.23	70	<0.5	<1.0	<1.0	<1.0	85	4.3	--	--	
	2/3/1998	--	165.4	9.87	--	155.53	--	--	--	--	--	--	--	--	--	
	5/28/1998	--	165.4	13.38	--	152.02	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	--	--	
	12/30/1998	--	165.4	14.45	--	150.95	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	165.4	18.29	--	147.11	--	--	--	--	--	--	--	--	--	
	5/10/1999	--	165.4	17.49	--	147.91	--	--	--	--	--	--	--	--	--	
	8/24/1999	--	165.4	17.61	--	147.79	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	165.4	16.26	--	149.14	--	--	--	--	--	--	--	--	--	
	3/1/2000	--	165.4	17.43	--	147.97	--	--	--	--	--	--	--	--	--	
	4/21/2000	--	165.4	13.32	--	152.08	--	--	--	--	--	--	--	--	--	
	7/31/2000	--	165.4	13.46	--	151.94	--	--	--	--	--	--	--	--	--	
	11/20/2000	--	165.4	14.78	--	150.62	--	--	--	--	--	--	--	--	--	
	2/18/2001	--	165.4	11.33	--	154.07	--	--	--	--	--	--	--	--	--	
	6/7/2001	--	165.4	16.36	--	149.04	--	--	--	--	--	--	--	--	--	
	9/5/2001	--	165.4	18.61	--	146.79	--	--	--	--	--	--	--	--	--	
	11/30/2001	--	165.4	15.20	--	150.20	--	--	--	--	--	--	--	--	--	
	2/20/2002	--	165.4	12.74	--	152.66	--	--	--	--	--	--	--	--	--	
	6/20/2002	--	165.4	16.68	--	148.72	--	--	--	--	--	--	--	--	--	
	9/11/2002	--	165.4	18.38	--	147.02	--	--	--	--	--	--	--	--	--	
	11/12/2002	--	165.4	18.78	--	146.62	--	--	--	--	--	--	--	--	--	
	1/29/2003	--	165.4	14.45	--	150.95	--	--	--	--	--	--	--	--	--	n
	5/22/2003	--	165.4	14.36	--	151.04	--	--	--	--	--	--	--	--	--	
	7/28/2003	--	165.4	18.43	--	146.97	--	--	--	--	--	--	--	--	--	p
	11/18/2003	--	165.40	17.48	--	147.92	--	--	--	--	--	--	--	--	--	
	02/23/2004	--	165.40	11.54	--	153.86	--	--	--	--	--	--	--	--	--	
	05/04/2004	--	165.40	16.58	--	148.82	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	165.40	18.12	--	147.28	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	11/10/2004	--	165.40	15.75	--	149.65	--	--	--	--	--	--	--	--	--	
	02/15/2005	--	165.40	12.50	--	152.90	--	--	--	--	--	--	--	--	--	
	05/16/2005	P	165.40	11.51	--	153.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	08/17/2005	--	165.40	16.85	--	148.55	--	--	--	--	--	--	--	--	--	
	11/18/2005	--	165.40	--	--	--	--	--	--	--	--	--	--	--	--	e
	02/07/2006	P	165.40	9.93	--	155.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
MW-7	7/9/1990	--	167.61		--		--	--	--	--	--	--	--	--	--	
	12/21/1990	--	167.61		--		--	--	--	--	--	--	--	--	--	
	3/7/1991	--	167.61	19.04	--	148.57	--	--	0.4	0.3	2.4	--	--	--	--	
	4/1/1991	--	167.61	15.18	--	152.43	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	167.61		--		70	17	4	0.8	2.2	--	--	--	--	
	9/27/1991	--	167.61		--		--	0.4	--	--	0.4	--	--	--	--	
	12/18/1991	--	167.61		--		--	0.7	2.9	0.8	3.3	--	--	--	--	
	7/3/1992	--	167.61	20.28	--	147.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	10/5/1992	--	167.61	21.56	--	146.05	<50	<0.5	<0.5	<0.5	1.5	--	--	--	--	
	1/13/1993	--	167.61	15.41	--	152.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	4/23/1993	--	167.61	15.84	--	151.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	7/12/1993	--	167.61	19.84	--	147.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	10/21/1993	--	167.61	21.61	--	146.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	i
	1/21/1994	--	167.61	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	c
	1/21/1994	--	167.61	20.49	--	147.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	i
	4/20/1994	--	167.61	20.54	--	147.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.5	--	--	i
	8/1/1994	--	167.61	20.99	--	146.62	<50	0.7	<0.5	<0.5	<0.5	<5.0	1.9	--	--	i
	12/23/1994	--	167.61	15.00	--	152.61	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	167.61	14.69	--	152.92	<50	<0.5	<0.5	<0.5	<1	--	7	--	--	
	6/8/1995	--	167.61	19.87	--	147.74	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	167.61	21.49	--	146.12	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.4	--	--	d
	10/27/1995	--	167.61	22.53	--	145.08	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	167.61	17.21	--	150.40	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	
	4/19/1996	--	167.61	17.09	--	150.52	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	167.61	21.02	--	146.59	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	167.61	22.03	--	145.58	<50	<0.5	<1.0	<1.0	<1.0	<10	7.8	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-7	1/21/1997	--	167.61	15.06	--	152.55	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	167.61	20.11	--	147.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	--	--	
	8/21/1997	--	167.61	21.59	--	146.02	--	--	--	--	--	--	--	--	--	
	11/5/1997	--	167.61	20.05	--	147.56	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	--	--	
	2/3/1998	--	167.61	9.97	--	157.64	--	--	--	--	--	--	--	--	--	
	5/28/1998	--	167.61	13.52	--	154.09	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	--	--	
	12/30/1998	--	167.61	18.33	--	149.28	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	167.61	12.33	--	149.28	--	--	--	--	--	--	--	--	--	
	5/10/1999	--	167.61	13.52	--	154.09	--	--	--	--	--	--	--	--	--	
	8/24/1999	--	167.61	14.01	--	153.60	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	167.61	19.91	--	147.70	--	--	--	--	--	--	--	--	--	
	3/1/2000	--	167.61	19.89	--	147.72	--	--	--	--	--	--	--	--	--	
	4/21/2000	--	167.61	17.94	--	149.67	--	--	--	--	--	--	--	--	--	
	7/31/2000	--	167.61	17.33	--	150.28	--	--	--	--	--	--	--	--	--	
	11/20/2000	--	167.61	18.41	--	149.20	--	--	--	--	--	--	--	--	--	
	2/18/2001	--	167.61	15.13	--	152.48	--	--	--	--	--	--	--	--	--	
	6/7/2001	--	167.61	18.75	--	148.86	--	--	--	--	--	--	--	--	--	
	9/5/2001	--	167.61	20.48	--	147.13	--	--	--	--	--	--	--	--	--	
	11/30/2001	--	167.61	20.11	--	147.50	--	--	--	--	--	--	--	--	--	
	2/20/2002	--	167.61	18.40	--	149.21	--	--	--	--	--	--	--	--	--	
	6/20/2002	--	167.61	18.62	--	148.99	--	--	--	--	--	--	--	--	--	
	9/11/2002	--	167.61	20.05	--	147.56	--	--	--	--	--	--	--	--	--	
	11/12/2002	--	167.61	21.13	--	146.48	--	--	--	--	--	--	--	--	--	n
	1/29/2003	--	167.61	19.10	--	148.51	--	--	--	--	--	--	--	--	--	
	5/22/2003	--	167.61	18.83	--	148.78	--	--	--	--	--	--	--	--	--	
	7/28/2003	--	167.61	19.88	--	147.73	--	--	--	--	--	--	--	--	--	p
	11/18/2003	--	167.61	20.50	--	147.11	--	--	--	--	--	--	--	--	--	
	11/18/2003	--	168.08	20.50	--	147.58	--	--	--	--	--	--	--	--	--	
	02/23/2004	--	168.08	15.92	--	152.16	--	--	--	--	--	--	--	--	--	
	05/04/2004	--	168.08	18.86	--	149.22	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	168.08	19.10	--	148.98	--	--	--	--	--	--	--	--	--	
	11/10/2004	--	168.08	20.25	--	147.83	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-7	02/15/2005	--	168.08	16.37	--	151.71	--	--	--	--	--	--	--	--	--	
	05/16/2005	--	168.08	--	--	--	--	--	--	--	--	--	--	--	--	e
	08/17/2005	--	168.08	19.74	--	148.34	--	--	--	--	--	--	--	--	--	
	11/18/2005	--	168.08	20.82	--	147.26	--	--	--	--	--	--	--	--	--	
	02/07/2006	P	168.08	14.26	--	153.82	<500	<5.0	<5.0	<5.0	<5.0	270	--	SEQM	7.3	
MW-8	3/7/1991	--	165.74	16.72	--	149.02	2.7	780	450	64	310	--	--	--	--	
	4/1/1991	--	165.74	12.54	--	153.20	15,000	3,600	2,600	410	1,900	--	--	--	--	
	6/27/1991	--	165.74		--		12,000	3,400	1,100	240	750	--	--	--	--	
	9/27/1991	--	165.74		--		41	5,700	5,200	1,100	4,300	--	--	--	--	
	12/18/1991	--	165.74		--		3.2	990	150	120	250	--	--	--	--	
	7/3/1992	--	165.74	18.78	--	146.96	72,000	19,000	32,000	3,000	15,000	--	--	--	--	
	10/5/1992	--	165.74	20.48	0.01	145.25	--	--	--	--	--	--	--	--	--	
	1/13/1993	--	165.74	12.87	0.01	152.86	--	--	--	--	--	--	--	--	--	
	4/23/1993	--	165.74	13.90	--	151.84	--	--	--	--	--	--	--	--	--	t
	7/12/1993	--	165.74	18.30	--	147.44	--	--	--	--	--	--	--	--	--	t
	10/21/1993	--	165.74	21.91	0.95	142.88	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	165.74	19.12	0.03	146.59	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	165.74	19.28	0.03	146.43	26,000	1,700	4,100	960	4,000	632	1.1	--	--	i
	8/1/1994	--	165.74		--		--	--	--	--	--	--	--	--	--	
	12/23/1994	--	165.74	13.81	0.03	151.90	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	165.74		--		--	--	--	--	--	--	--	--	--	
	6/8/1995	--	165.74	17.82	0.29	147.63	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	165.74	19.41	0.20	146.13	--	--	--	--	--	--	--	--	--	
	10/27/1995	--	165.74	20.47	0.14	145.13	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	165.74	13.35	0.22	152.17	--	--	--	--	--	--	--	--	--	
	4/19/1996	--	165.74	14.40	0.20	151.14	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	165.74	18.35	0.14	147.25	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	165.74	19.41	0.02	146.31	--	--	--	--	--	--	--	--	--	
	1/21/1997	--	165.74	12.29	0.01	153.44	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	8/21/1997	--	165.74	19.61	--	146.13	240,000	1,100	9,300	4,100	31,100	<1000	5.2	--	--	
	11/5/1997	--	165.74	19.45	0.10	146.19	57,000	790	2,700	2,300	15,200	<1000	5	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	2/3/1998	--	165.74	9.33	0.03	156.38	--	--	--	--	--	--	--	--	--	
	2/4/1998	--	165.74	--	--	--	94,000	570	1,500	2,100	15,200	<2500	5.5	--	--	
	5/28/1998	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	12/30/1998	--	165.74	15.48	0.05	150.21	120,000	460	2,300	2,200	15,000	150	--	--	--	
	2/2/1999	--	165.74	18.29	--	147.45	82,000	450	2,200	3,700	26,000	<500	--	--	--	
	5/10/1999	--	165.74	15.62	--	150.12	28,000	740	1,800	1,100	5,800	<25	--	--	--	
	8/24/1999	--	165.74	18.41	--	147.33	75,000	530	1,400	3,300	21,000	150	--	--	--	
	11/3/1999	--	165.74	18.71	--	147.03	70,000	600	1,300	3,600	20,500	750	--	--	--	
	3/1/2000	--	165.74	19.37	--	146.37	27,000	1,600	1,200	2,600	6,600	120	--	--	--	
	4/21/2000	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	7/31/2000	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	11/20/2000	--	165.74	17.42	--	148.32	1,300,000	1,400	1,700	20,000	16,000	5,700	--	--	--	
	2/18/2001	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	6/7/2001	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	9/5/2001	--	165.74	21.45	0.04	144.25	--	--	--	--	--	--	--	--	--	j
	11/30/2001	--	165.74	18.31	--	147.43	--	--	--	--	--	--	--	--	--	h
	12/6/2001	--	165.74		--		--	--	--	--	--	--	--	--	--	e
	2/20/2002	--	165.74	14.02	--	151.72	20,000	163	114	403	3,810	80.4	--	--	--	
	6/20/2002	--	165.74	17.56	--	148.18	28,000	466	141	962	5,850	2,520	--	--	--	
	9/11/2002	--	165.74	19.45	--	146.29	190,000	1,500	670	4,500	23,000	1,200	--	--	--	
	11/12/2002	--	165.74	19.15	--	146.59	420	6.4	2.9	16	110	31	--	--	--	t
	1/29/2003	--	165.74	15.02	--	150.72	200,000	810	<500	2,000	11,000	<500	--	--	--	n
	5/22/2003	--	165.74	15.07	--	150.67	--	--	--	--	--	--	--	--	--	t
	6/24/2003	--	165.74	17.95	--	147.79	43,000	860	300	2,100	9,600	46	--	--	--	
	7/28/2003	--	165.74	19.45	--	146.29	62,000	690	230	1,800	15,000	2,100	--	--	--	
	8/12/2003	--	165.74	19.40	--	146.34	--	--	--	--	--	--	--	--	--	o,t
	9/12/2003	--	165.74	19.34	--	146.40	--	--	--	--	--	--	--	--	--	o
	11/18/2003	P	165.74	18.80	--	146.94	8,800	500	37	530	930	1,700	--	SEQM	--	o,p
	02/23/2004	P	165.74	12.82	--	152.92	32,000	840	360	1,000	7,100	110	--	SEQM	6.6	t
	05/04/2004	P	165.74	18.87	--	146.87	42,000	570	230	1,700	8,400	2,000	--	SEQM	7.0	t
	08/04/2004	--	165.74	19.37	0.05	146.41	--	--	--	--	--	--	--	--	--	
	09/22/2004	NP	165.74	19.60	--	146.14	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	11/10/2004	P	165.74	16.58	--	149.16	11,000	790	61	1,000	830	74	--	SEQM	7.3	t
	02/15/2005	P	165.74	12.85	--	152.89	38,000	1,300	390	2,300	7,900	<50	--	SEQM	7.2	
	05/16/2005	P	165.74	12.22	--	153.52	31,000	1,000	360	2,500	7,500	<50	--	SEQM	6.5	
	08/17/2005	P	165.74	17.80	--	147.94	60,000	540	240	2,500	8,600	<50	--	SEQM	6.7	
	11/18/2005	P	165.74	21.02	--	144.72	33,000	340	120	1,400	4,900	140	--	SEQM	6.9	
	02/07/2006	P	165.74	10.73	--	155.01	5,700	94	27	260	820	7.5	--	SEQM	6.6	
MW-9	3/7/1991	--	166.2	16.79	--	149.41	7.1	220	4	2.4	2,400	--	--	--	--	
	4/1/1991	--	166.2	12.89	--	153.31	12,000	2,000	2,600	360	1,600	--	--	--	--	
	6/27/1991	--	166.2		--		3,600	520	400	85	310	--	--	--	--	
	9/27/1991	--	166.2		--		3.2	720	150	50	180	--	--	--	--	
	12/18/1991	--	166.2		--		--	2.5	1.1	0.3	5.8	--	--	--	--	
	7/3/1992	--	166.2	18.89	--	147.31	5,700	17,000	840	230	800	--	--	--	--	
	10/5/1992	--	166.2	20.52	--	145.68	1,400	440	17	14	100	--	--	--	--	
	1/13/1993	--	166.2	--	--	--	11,000	1,200	1,600	330	1,300	--	--	--	--	c,i
	1/13/1993	--	166.2	12.92	--	153.28	11,000	1,200	1,700	340	1,400	--	--	--	--	i
	4/23/1993	--	166.2	14.08	--	152.12	24,000	2,800	4,500	730	3,400	--	--	--	--	i
	7/12/1993	--	166.2	--	--	--	10,000	1,200	900	310	1,200	--	--	--	--	c
	7/12/1993	--	166.2	18.44	--	147.76	13,000	1,400	1,100	360	1,400	20.8	--	--	--	i
	10/21/1993	--	166.2	21.81	0.89	143.50	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	166.2	19.28	--	146.92	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	166.2	--	--	--	45,000	2,700	6,800	1,200	8,200	740	--	--	--	c,d
	4/20/1994	--	166.2	19.72	--	146.48	43,000	2,800	6,800	1,300	7,900	768	1.7	--	--	i
	8/1/1994	--	166.2	20.18	0.05	145.97	--	--	--	--	--	--	--	--	--	
	12/23/1994	--	166.2	14.22	0.02	151.96	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	166.2	11.85	0.13	154.22	--	--	--	--	--	--	--	--	--	
	6/8/1995	--	166.2	18.33	--	147.87	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	166.2	19.95	0.01	146.24	--	--	--	--	--	--	--	--	--	
	10/27/1995	--	166.2	20.88	0.01	145.31	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	166.2	13.84	0.07	152.29	--	--	--	--	--	--	--	--	--	
	4/19/1996	--	166.2		--	--	--	--	--	--	--	--	--	--	--	e
	7/23/1996	--	166.2	18.84	0.03	147.33	--	--	--	--	--	--	--	--	--	
	11/11/1996	--	166.2	19.91	0.01	146.28	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	1/21/1997	--	166.2	12.93	0.01	153.26	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	166.2	18.03	--	148.17	--	--	--	--	--	--	--	--	--	t
	4/30/1997	--	166.2		--		78,000	1,900	3,600	3,100	20,600	<5000	5.5	--	--	
	8/21/1997	--	166.2	19.56	0.01	146.63	110,000	2,100	3,400	2,300	18,800	<500	5.1	--	--	
	11/5/1997	--	166.2	20.59	0.01	145.60	59,000	1,400	1,700	2,200	17,000	<500	4.5	--	--	
	2/3/1998	--	166.2	10.56	--	155.64	55,000	490	1,200	1,400	10,200	<1000	4.9	--	--	
	5/28/1998	--	166.2	--	--	--	53,000	290	830	1,400	10,500	<500	--	--	--	c
	5/28/1998	--	166.2	14.21	0.01	151.98	41,000	250	1,200	1,500	11,400	<250	3.8	--	--	
	12/30/1998	--	166.2	15.61	--	150.59	83,000	860	1,300	2,400	21,000	180	--	--	--	
	2/2/1999	--	166.2	12.33	--	153.87	75,000	530	960	1,900	17,000	<50	--	--	--	
	5/10/1999	--	166.2	15.67	--	150.53	22,000	600	1,500	1,100	4,400	72	--	--	--	
	8/24/1999	--	166.2	19.10	--	147.10	85,000	850	1,300	1,700	20,000	<250	--	--	--	
	11/3/1999	--	166.2	19.58	--	146.62	72,000	700	780	1,900	19,000	<5.0	--	--	--	
	3/1/2000	--	166.2	13.19	--	153.01	34,000	78	490	1,100	8,200	63	--	--	--	
	4/21/2000	--	166.2	14.29	--	151.91	55,000	260	920	1,500	16,000	<5.0	--	--	--	
	7/31/2000	--	166.2	15.01	--	151.19	1,200,000	1,500	6,300	15,000	120,000	1,600	--	--	--	
	11/20/2000	--	166.2	18.23	--	147.97	320,000	3,500	19,000	5,000	40,000	3,900	--	--	--	
	2/18/2001	--	166.2	13.14	--	153.06	32,000	290	417	1,180	10,400	121	--	--	--	
	6/7/2001	--	166.2	17.41	--	148.79	96,000	421	704	2,330	17,300	223	--	--	--	
	9/5/2001	--	166.2	20.56	--	145.64	39,000	445	323	1,240	8,940	310	--	--	--	
	11/30/2001	--	166.2	17.42	--	148.78	60,000	310	586	1,890	14,200	285	--	--	--	
	2/20/2002	--	166.2	13.87	--	152.33	14,000	64	122	897	2,650	293	--	--	--	
	6/20/2002	--	166.2	18.22	--	147.98	29,000	307	168	1,100	5,670	208	--	--	--	
	9/11/2002	--	166.2	20.27	--	145.93	230,000	1,400	680	3,600	23,000	<2500	--	--	--	
	11/12/2002	--	166.2	19.40	--	146.80	840	5.8	3.6	28	160	21	--	--	--	t
	1/29/2003	--	166.2	14.30	0.10	151.80	--	--	--	--	--	--	--	--	--	j,n
	5/22/2003	--	166.2	15.16	--	151.04	23,000	260	<50	1,000	2,900	<50	--	--	--	t
	6/24/2003	--	166.2		--		--	--	--	--	--	--	--	--	--	e
	7/28/2003	--	166.2	19.55	--	146.65	1,500,000	<500	<500	9,800	79,000	<500	--	--	--	
	8/12/2003	--	166.2	19.60	--	146.60	--	--	--	--	--	--	--	--	--	o,t
	9/12/2003	--	166.2	19.60	--	146.60	--	--	--	--	--	--	--	--	--	o,t
	11/18/2003	P	166.20	18.98	--	147.22	19,000	250	18	690	2,400	45	--	SEQM	6.8	o,p



Table 1

**Groundwater Elevation and Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	02/23/2004	P	166.20	13.91	--	152.29	91,000	<250	440	2,200	13,000	<250	--	SEQM	6.8	t
	05/04/2004	P	166.20	18.11	--	148.09	39,000	230	44	1,100	4,200	<25	--	SEQM	6.9	t
	08/04/2004	--	166.20	18.90	0.03	147.32	--	--	--	--	--	--	--	--	--	--
	09/22/2004	NP	166.20	19.69	--	146.51	--	--	--	--	--	--	--	--	--	--
	11/10/2004	NP	166.20	16.95	--	149.25	31,000	300	<50	1,100	3,800	<50	--	SEQM	7.3	t
	02/15/2005	P	166.20	12.95	--	153.25	19,000	200	<50	720	2,000	<50	--	SEQM	7.3	t
	05/16/2005	P	166.20	12.53	--	153.67	17,000	99	15	770	2,500	<10	--	SEQM	6.7	
	08/17/2005	P	166.20	18.03	--	148.17	28,000	160	26	1,000	2,700	<12	--	SEQM	6.8	
	11/18/2005	P	166.20	19.04	--	147.16	12,000	98	<5.0	410	510	19	--	SEQM	7.1	
	02/07/2006	P	166.20	10.95	--	155.25	18,000	110	8.7	770	1,500	<5.0	--	SEQM	6.9	t
MW-10	3/7/1991	--	167.01	18.09	--	148.92	1.6	120	190	32	230	--	--	--	--	
	4/1/1991	--	167.01	13.92	--	153.09	--	--	--	--	--	--	--	--	--	
	6/27/1991	--	167.01		--		12,000	7,300	500	150	300	--	--	--	--	
	9/27/1991	--	167.01		--		57	12,000	7,200	1,400	4,600	--	--	--	--	
	12/18/1991	--	167.01		--		5.3	2,500	120	36	79	--	--	--	--	
	7/3/1992	--	167.01	19.92	--	147.09	8,600	5,100	1,300	180	690	--	--	--	--	
	10/5/1992	--	167.01	21.92	0.19	144.90	--	--	--	--	--	--	--	--	--	
	1/13/1993	--	167.01	14.43	0.03	152.55	--	--	--	--	--	--	--	--	--	
	4/23/1993	--	167.01	15.26	0.06	151.69	--	--	--	--	--	--	--	--	--	
	7/12/1993	--	167.01	19.78	0.45	146.78	--	--	--	--	--	--	--	--	--	
	10/21/1993	--	167.01	22.90	0.69	143.42	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	167.01	20.25	0.06	146.70	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	167.01	20.74	--	146.27	100,000	12,000	24,000	2,400	14,000	1,577	1	--	--	d,i
	8/1/1994	--	167.01	22.00	0.28	144.73	--	--	--	--	--	--	--	--	--	
	12/23/1994	--	167.01	16.08	0.25	150.68	--	--	--	--	--	--	--	--	--	
	1/26/1995	--	167.01	13.68	0.80	152.53	--	--	--	--	--	--	--	--	--	
	6/8/1995	--	167.01	19.08	--	147.93	--	--	--	--	--	--	--	--	--	
	8/22/1995	--	167.01	20.73	0.70	145.58	--	--	--	--	--	--	--	--	--	
	10/27/1995	--	167.01	21.69	0.63	144.69	--	--	--	--	--	--	--	--	--	
	1/25/1996	--	167.01	15.05	0.81	151.15	--	--	--	--	--	--	--	--	--	
	4/19/1996	--	167.01	16.26	0.58	150.17	--	--	--	--	--	--	--	--	--	
	7/23/1996	--	167.01	20.18	0.62	146.21	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-10	11/11/1996	--	167.01	21.20	0.20	145.61	--	--	--	--	--	--	--	--	--	
	1/21/1997	--	167.01	13.66	0.14	153.21	--	--	--	--	--	--	--	--	--	
	4/29/1997	--	167.01	18.71	0.21	148.09	--	--	--	--	--	--	--	--	--	
	4/30/1997	--	167.01		--		170,000	9,700	38,000	4,700	30,500	<5000	5.6	--	--	
	8/21/1997	--	167.01	20.19	0.14	146.68	170,000	9,500	35,000	4,300	27,100	<5000	5.3	--	--	
	11/5/1997	--	167.01	20.52	0.02	146.47	80,000	3,800	12,000	2,700	15,700	<500	4.4	--	--	
	2/3/1998	--	167.01	10.62	0.01	156.38	--	--	--	--	--	--	--	--	--	
	2/4/1998	--	167.01	--	--	--	72,000	500	1,300	1,700	12,000	<1000	5.1	--	--	
	5/28/1998	--	167.01	15.46	--	151.55	220,000	3,200	24,000	5,200	43,000	<1000	4.8	--	--	
	12/30/1998	--	167.01	16.65	--	150.36	110,000	3,500	14,000	5,800	50,000	<50	--	--	--	
	2/2/1999	--	167.01	14.58	--	152.43	74,000	1,000	2,800	1,000	26,000	860	--	--	--	
	5/10/1999	--	167.01	15.72	--	151.29	81,000	2,800	2,800	3,000	17,000	220	--	--	--	
	8/24/1999	--	167.01	19.85	--	147.16	54,000	3,500	3,800	1,500	9,100	<250	--	--	--	
	11/3/1999	--	167.01	20.00	--	147.01	30,000	3,000	3,500	1,200	5,000	31	--	--	--	
	3/1/2000	--	167.01	14.62	--	152.39	62,000	320	1,200	1,100	26,000	4,400	--	--	--	
	4/21/2000	--	167.01	15.46	--	151.55	88,000	2,700	7,400	3,700	35,000	2,400	--	--	--	
	7/31/2000	--	167.01		--		--	--	--	--	--	--	--	--	--	e
	11/20/2000	--	167.01	18.74	--	148.27	78,000	3,800	5,500	2,800	13,000	450	--	--	--	
	2/18/2001	--	167.01	14.10	--	152.91	39,000	1,050	1,160	1,550	14,700	4,180	--	--	--	
	6/7/2001	--	167.01	18.78	--	148.23	76,000	2,460	2,840	3,330	20,700	635	--	--	--	
	9/5/2001	--	167.01	21.40	0.01	145.60	25,000	2,510	2,070	1,090	4,540	189	--	--	--	
	11/30/2001	--	167.01	18.50	--	148.51	100,000	2,480	5,720	3,890	22,800	325	--	--	--	
	2/20/2002	--	167.01	14.39	--	152.62	49,000	2,170	3,070	1,960	12,300	1,090	--	--	--	
	6/20/2002	--	167.01	18.80	--	148.21	44,000	2,040	3,050	1,690	8,430	224	--	--	--	
	9/11/2002	--	167.01	20.52	--	146.49	28,000	1,200	2,700	1,400	6,800	<250	--	--	--	
	11/12/2002	--	167.01	20.37	0.07	146.57	--	--	--	--	--	--	--	--	--	j
	1/29/2003	--	167.01	16.33	0.03	150.65	--	--	--	--	--	--	--	--	--	j,n
	5/22/2003	--	167.01	16.32	--	150.69	13,000	2,100	850	630	1,600	300	--	--	--	t
	6/24/2003	--	167.01	18.73	0.04	148.24	--	--	--	--	--	--	--	--	--	o
	7/28/2003	--	167.01	20.39	0.04	146.58	--	--	--	--	--	--	--	--	--	j
	8/12/2003	--	167.01	20.43	--	146.58	--	--	--	--	--	--	--	--	--	o,t
	9/12/2003	--	167.01	20.41	--	146.60	--	--	--	--	--	--	--	--	--	o

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments	
MW-10	11/18/2003	P	167.01	19.55	--	147.46	9,900	2,200	530	320	860	<50	--	SEQM	6.8	o,p	
	02/23/2004	P	167.01	15.45	--	151.56	46,000	1,900	2,000	1,800	9,000	180	--	SEQM	6.7	t	
	05/04/2004	P	167.01	18.81	--	148.20	35,000	3,100	3,600	1,400	5,600	<25	--	SEQM	7.1	t	
	08/04/2004	--	167.01	18.90	0.08	148.17	--	--	--	--	--	--	--	--	--	--	
	09/22/2004	NP	167.01	20.60	--	146.41	--	--	--	--	--	--	--	--	--	--	
	11/10/2004	P	167.01	17.95	--	149.06	9,800	470	91	450	1,700	230	--	SEQM	7.3	t	
	01/13/2005	--	167.01	12.21	0.01	154.81	--	--	--	--	--	--	--	--	--	--	
	02/15/2005	P	167.01	14.19	--	152.82	30,000	510	330	1,800	7,200	77	--	SEQM	7.2		
	05/16/2005	P	167.01	13.85	--	153.16	37,000	540	730	2,100	9,200	<50	--	SEQM	6.7		
	08/17/2005	P	167.01	19.01	--	148.00	15,000	1,100	420	1,200	4,100	<50	--	SEQM	6.7		
	11/18/2005	P	167.01	19.95	--	147.06	12,000	1,200	240	550	1,300	16	--	SEQM	6.8		
	02/07/2006	P	167.01	12.28	--	154.73	22,000	340	580	1,300	4,500	73	--	SEQM	6.8	t	
QC-2	10/5/1992	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f	
	1/13/1993	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f,i	
	4/23/1993	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f,i	
	7/12/1993	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f	
	10/21/1993	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f	
	1/21/1994	--	168.01	--	--	--	<50	<0.5	2.1	<0.5	2.1	--	--	--	--	f	
	4/20/1994	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f	
	12/23/1994	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	f
	1/26/1995	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<1	<1	--	--	--	--	f
	6/8/1995	--	168.01	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<1.0	--	--	--	--	f
	8/22/1995	--	168.01	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	d,f
	10/30/1995	--	168.01	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	f
	1/25/1996	--	168.01	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	f
4/19/1996	--	168.01	--	--	--	<50	<0.5	<1	<1	<1	<10	--	--	--	--	f	
RW-1	7/9/1990	--	168.01		1.21		--	--	--	--	--	--	--	--	--		
	12/21/1990	--	168.01		0.01		--	--	--	--	--	--	--	--	--		
	3/7/1991	--	168.01	17.62	--	150.39	--	--	--	--	--	--	--	--	--	t	
	4/1/1991	--	168.01	14.40	0.11	153.50	--	--	--	--	--	--	--	--	--		
	6/27/1991	--	168.01		0.04		--	--	--	--	--	--	--	--	--		

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
RW-1	9/27/1991	--	168.01		0.02		--	--	--	--	--	--	--	--	--	
	12/18/1991	--	168.01		0.02		--	--	--	--	--	--	--	--	--	
	7/3/1992	--	168.01	20.66	--	147.35	--	--	--	--	--	--	--	--	--	t
	10/5/1992	--	168.01	23.34	0.08	144.59	--	--	--	--	--	--	--	--	--	
	1/13/1993	--	168.01	16.59	0.05	151.37	--	--	--	--	--	--	--	--	--	
	4/23/1993	--	168.01	16.17	0.18	151.66	--	--	--	--	--	--	--	--	--	
	7/12/1993	--	168.01	20.18	0.06	147.77	--	--	--	--	--	--	--	--	--	
	10/21/1993	--	168.01	25.70	0.56	141.75	--	--	--	--	--	--	--	--	--	
	1/21/1994	--	168.01	21.24	0.40	146.37	--	--	--	--	--	--	--	--	--	
	4/20/1994	--	168.01	32.20	--	135.81	--	--	--	--	--	--	--	--	--	
	8/1/1994	--	168.01	21.70	--	146.31	29,000	580	950	300	7,800	1,200	1.1	--	--	d
	12/23/1994	--	168.01	16.02	--	151.99	1,300	25	8.6	1.4	69	616	1.8	--	--	i
	1/26/1995	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	c
	1/26/1995	--	168.01	13.78	--	154.23	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	
	6/8/1995	--	168.01	20.05	--	147.96	1,300	130	<1.0	<1.0	36	--	--	--	--	
	8/22/1995	--	168.01	--	--	--	2,800	210	9.3	4.3	250	<25	--	--	--	c
	8/22/1995	--	168.01	21.74	--	146.27	3,300	230	13	4.9	280	<25	6.6	--	--	d
	10/27/1995	--	168.01	32.00	--	136.01	--	--	--	--	--	--	--	--	--	
	10/30/1995	--	168.01	--	--	--	240	1.6	<1.0	<1.0	<2.0	630	--	--	--	c
	10/30/1995	--	168.01	--	--	--	230	1.4	<1.0	<1.0	<2.0	650	6.9	--	--	
	1/25/1996	--	168.01	15.41	--	152.60	15,000	3,400	930	330	2,500	5,300	--	--	--	
	4/19/1996	--	168.01	--	--	--	33,000	5,600	3,200	1,700	8,800	15,000	--	--	--	c
	4/19/1996	--	168.01	16.83	--	151.18	35,000	5,500	3,300	1,700	9,400	14,000	7.6	--	--	
	7/23/1996	--	168.01	--	--	--	47,000	3,700	2,500	930	5,300	35,000	--	--	--	c
	7/23/1996	--	168.01	20.76	--	147.25	46,000	3,600	2,300	900	5,100	36,000	7.4	--	--	
	11/11/1996	--	168.01	--	--	--	31,000	2,900	1,000	860	4,600	22,000	--	--	--	c
	11/11/1996	--	168.01	21.73	--	146.28	34,000	3,000	1,200	880	4,600	22,000	8.3	--	--	
	1/21/1997	--	168.01	--	--	--	270	42	17	2.7	36	1,500	--	--	--	c
	1/21/1997	--	168.01	14.20	--	153.81	260	40	16	2.7	34	1,500	6.1	--	--	
	4/29/1997	--	168.01	19.15	--	148.86	32,000	3,100	590	1,300	6,000	46,000	5.3	--	--	
	8/21/1997	--	168.01	20.67	--	147.34	7,600	730	58	370	1,780	9,500	4.7	--	--	
	11/5/1997	--	168.01	21.01	--	147.00	39,000	2,300	86	1,300	3,840	56,000	4.5	--	--	

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
RW-1	2/3/1998	--	168.01	10.68	--	157.33	3,400	31	11	29	161	3,200	5.1	--	--	
	5/28/1998	--	168.01	15.55	--	152.46	2,000	90	15	60	305	2,700	4.3	--	--	
	12/30/1998	--	168.01	17.35	--	150.66	--	--	--	--	--	--	--	--	--	
	2/2/1999	--	168.01	14.58	--	153.43	82,000	2,300	120	2,000	3,200	51000/78000	--	--	--	g
	5/10/1999	--	168.01	16.00	--	152.01	15,000	620	88	340	660	61,000	--	--	--	
	8/24/1999	--	168.01	20.00	--	148.01	52,000	1,400	170	2,200	2,900	37,000	--	--	--	
	11/3/1999	--	168.01	20.39	--	147.62	17,000	2,500	86	1,500	970	54,000	--	--	--	
	3/1/2000	--	168.01	12.97	--	155.04	17,000	580	78	790	1,100	13,000	--	--	--	
	4/21/2000	--	168.01	16.02	--	151.99	31,000	2,100	100	1,400	1,100	39,000	--	--	--	
	7/31/2000	--	168.01	21.89	--	146.12	47,000	1,300	170	2,700	2,300	30,000	--	--	--	
	11/20/2000	--	168.01	19.15	--	148.86	--	--	--	--	--	--	--	--	--	h
	2/18/2001	--	168.01	15.35	--	152.66	14,000	589	89	600	712	13,000	--	--	--	
	6/7/2001	--	168.01	19.09	--	148.92	28,000	1,140	68.2	504	530	19,100	--	--	--	
	9/5/2001	--	168.01	22.06	0.02	145.93	--	--	--	--	--	--	--	--	--	j
	11/30/2001	--	168.01	19.53	--	148.48	20,000	405	39.4	545	740	8,260	--	--	--	
	2/20/2002	--	168.01	15.99	--	152.02	13,000	469	29	434	655	7,240	--	--	--	
	6/20/2002	--	168.01	19.31	--	--	--	--	--	--	--	--	--	--	--	j,l
	9/11/2002	--	168.01	21.07	0.03	146.91	--	--	--	--	--	--	--	--	--	j
	11/12/2002	--	168.01	20.92	0.02	147.07	--	--	--	--	--	--	--	--	--	j
	1/29/2003	--	168.01	16.31	0.04	151.66	--	--	--	--	--	--	--	--	--	j,n
	5/22/2003	--	168.01	16.68	--	151.33	--	--	--	--	--	--	--	--	--	j,t
	6/24/2003	--	168.01	19.76	0.07	148.18	--	--	--	--	--	--	--	--	--	o
	7/28/2003	--	168.01	21.04	0.04	146.93	--	--	--	--	--	--	--	--	--	j
	8/12/2003	--	168.01	21.41	--	146.60	--	--	--	--	--	--	--	--	--	o,t
	9/12/2003	--	168.01	21.10	0.07	146.84	--	--	--	--	--	--	--	--	--	o
	11/18/2003	P	168.01	20.10	--	147.91	12,000	770	<50	320	250	6,100	--	SEQM	6.6	o,p
	02/23/2004	--	168.01	14.35	0.01	153.67	--	--	--	--	--	--	--	--	--	
	05/04/2004	--	168.01	19.58	0.02	148.45	--	--	--	--	--	--	--	--	--	
	08/04/2004	--	168.01	22.05	0.05	146.00	--	--	--	--	--	--	--	--	--	
	09/22/2004	NP	168.01	21.28	0.06	146.78	--	--	--	--	--	--	--	--	--	
	11/10/2004	--	168.01	18.56	0.02	149.47	--	--	--	--	--	--	--	--	--	
	01/13/2005	--	168.01	12.51	0.01	155.51	--	--	--	--	--	--	--	--	--	

**Table 1**

**Groundwater Elevation and Analytical Data**

Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
RW-1	02/15/2005	--	168.01	15.24	0.03	152.79	--	--	--	--	--	--	--	--	--	
	03/07/2005	--	168.01	11.90	0.02	156.13	--	--	--	--	--	--	--	--	--	
	05/16/2005	--	168.01	14.39	0.02	153.64	--	--	--	--	--	--	--	--	--	j
	08/17/2005	--	168.01	19.91	0.03	148.12	--	--	--	--	--	--	--	--	--	j
	11/18/2005	--	168.01	20.36	0.07	147.71	--	--	--	--	--	--	--	--	--	b, j
	02/07/2006	--	168.01	12.87	0.01	155.15	--	--	--	--	--	--	--	--	--	j

**Table 1**

**Groundwater Elevation and Analytical Data**

Former BP Station #11132  
3201 35th Ave, Oakland, CA

**SYMBOLS AND ABBREVIATIONS:**

-- = Not analyzed/applicable/measured/available  
< = Not detected at or above specified laboratory reporting limit  
DO = Dissolved oxygen  
DTW = Depth to water in ft bgs  
ft bgs = Feet below ground surface  
ft MSL = Feet above mean sea level  
GRO = Gasoline range organics  
GWE = Groundwater elevation measured in ft MSL  
mg/L = Milligrams per liter  
MTBE = Methyl tert-butyl ether  
NP = Well not purged prior to sampling  
P = Well purged prior to sampling  
TOC = Top of casing measured in ft MSL  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter  
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical Morgan Hill (Laboratories)  
SPH = Separate phase hydrocarbons

**FOOTNOTES:**

a = Casing elevations surveyed to the nearest 0.01 ft MSL.  
b = GWE adjusted assuming a specific gravity of 0.75 for free product (FP).  
c = Blind duplicate.  
d = A copy of the documentation for this data is included in Alisto report 10-024-10-001.  
e = Well inaccessible.  
f = Travel blank.  
g = EPA Methods 8020/8260 used.  
h = Unable to sample.  
i = A copy of the documentation for this data can be found in Blaine Tech Services report 010607-M-3. MTBE data for the January 13, 1993 and April 23, 1993 sampling events has been destroyed. No chromatograms could be located for MTBE data from wells MW-5, MW-6, and MW-7, sampled on October 21, 1993.  
j = Well not sampled due to presence of SPH and nature of the product.  
k = Could not purge and sample; waste drum full.  
l = Value represents the depth to product. Unable to determine depth to water, product disabled the interface probe.  
m = Discrete p[ak @ C6-7.  
n = TPH-g, BTEX, and MTBE analyzed by EPA method 8260 B beginning on 1st quarter 2003 sampling event (1/29/03).  
o = Groundwater samples are not collected during FP bailing event.  
p = Well not included in the monthly FP bailing program.  
q = Well not sampled in November 2003 due to the presence of a pile of gravel dumped over the well box.  
r = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.  
s = MW-7 TOC elevation raised +0.47 ft during well repair on January 20, 2004.  
t = Sheen in well.

**Table 1**

**Groundwater Elevation and Analytical Data**

Former BP Station #11132  
3201 35th Ave, Oakland, CA

NOTES:  
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for DO and pH were obtained through field measurements.

The data within this table collected prior to 8/02 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.



**Table 2**  
**Fuel Additives Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-1	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
MW-2	1/29/2003	<4000	<2000	820	<50	<50	<50	<50	<50	
	5/22/2003	<10000	<2000	1,000	<50	<50	<50	--	--	
	7/28/2003	<20000	<4000	1,700	<100	<100	<100	<100	<100	a
	11/18/2003	<5,000	<1,000	500	<25	<25	<25	--	--	
	02/23/2004	<25,000	<5,000	790	<120	<120	<120	<120	<120	
	05/04/2004	<50,000	<10,000	780	<250	<250	<250	<250	<250	
	08/04/2004	<50,000	<10,000	430	<250	<250	<250	<250	<250	
	11/10/2004	<5,000	<1,000	310	<25	<25	<25	<25	<25	
	02/15/2005	<20,000	<4,000	690	<100	<100	<100	<100	<100	
	05/16/2005	<50,000	<10,000	560	<250	<250	<250	<250	<250	
	08/17/2005	<20,000	<4,000	480	<100	<100	<100	<100	<100	
	11/18/2005	<20,000	<4,000	340	<100	<100	<100	<100	<100	b
02/07/2006	<60,000	<4,000	440	<100	<100	<100	160	<100		
MW-3	1/29/2003	<40	<20	0.76	<50	<50	<50	<50	<50	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
	02/23/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	02/15/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	02/07/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4	1/29/2003	<40	<20	66	<0.50	<0.50	<0.50	<0.50	<0.50	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
	02/23/2004	<100	<20	65	<0.50	<0.50	<0.50	<0.50	<0.50	
	02/15/2005	<100	<20	62	<0.50	<0.50	<0.50	<0.50	<0.50	
	02/07/2006	<300	<20	29	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5	1/29/2003	<400	<200	82	<5.0	<5.0	<5.0	<5.0	<5.0	
	5/22/2003	<10000	<2000	<50	<50	<50	<50	--	--	
	7/28/2003	<2000	<400	120	<10	<10	<10	<10	<10	

**Table 2**  
**Fuel Additives Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-5	02/23/2004	<5,000	<1,000	100	<25	<25	<25	38	<25	
	05/04/2004	<5,000	<1,000	42	<25	<25	<25	<25	<25	
	08/04/2004	<5,000	<1,000	390	<25	<25	<25	<25	<25	
	11/10/2004	<1,000	<200	530	<5.0	<5.0	5.5	<5.0	<5.0	
	02/15/2005	<1,000	<200	260	<5.0	<5.0	<5.0	<5.0	<5.0	
	05/16/2005	<1,000	<200	370	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/17/2005	<1,000	<200	51	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/18/2005	<1,000	<200	340	<5.0	<5.0	<5.0	<5.0	<5.0	b
	02/07/2006	<3,000	<200	200	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-6	05/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	02/07/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
	02/07/2006	<3,000	<200	270	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-8	1/29/2003	<4000	<2000	<500	<50	<50	<50	<50	<50	
	5/22/2003	<5000	<1000	--	<25	<25	<25	--	--	
	7/28/2003	<20000	<4000	2,100	<100	<100	<100	<100	<100	
	11/18/2003	<2,000	<400	1,700	<10	<10	20	--	--	a,b
	02/23/2004	<10,000	<2,000	110	<50	<50	<50	<50	<50	
	05/04/2004	<5,000	<1,000	2,000	<25	<25	33	<25	<25	
	11/10/2004	<5,000	<1,000	74	<25	<25	<25	<25	<25	
	02/15/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	05/16/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	08/17/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	11/18/2005	<10,000	<2,000	140	<50	<50	<50	<50	<50	b
02/07/2006	<3,000	<200	7.5	<5.0	<5.0	<5.0	<5.0	<5.0		
MW-9	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	<10000	<2000	<50	<50	<50	<50	--	--	
	7/28/2003	<100000	<20000	<500	<500	<500	<500	<500	<500	
	11/18/2003	<2,000	<400	45	<10	<10	<10	--	--	a,b

**Table 2**  
**Fuel Additives Analytical Data**  
 Former BP Station #11132  
 3201 35th Ave, Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-9	02/23/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
	05/04/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	11/10/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	02/15/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	05/16/2005	<2,000	<400	<10	<10	<10	<10	<10	<10	
	08/17/2005	<2,500	<500	<12	<12	<12	<12	<12	<12	
	11/18/2005	<1,000	<200	19	<5.0	<5.0	<5.0	<5.0	<5.0	b
	<b>02/07/2006</b>	<b>&lt;3,000</b>	<b>&lt;200</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>5.4</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	
MW-10	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	<10000	<2000	300	<50	<50	<50	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
	11/18/2003	<10,000	<2,000	<50	<50	<50	<50	--	--	b
	02/23/2004	<20,000	<4,000	180	<100	<100	<100	<100	<100	
	05/04/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	11/10/2004	<5,000	<1,000	230	<25	<25	<25	<25	<25	b
	02/15/2005	<10,000	<2,000	77	<50	<50	<50	<50	<50	
	05/16/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	08/17/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	11/18/2005	<2,500	<500	16	<12	<12	<12	<12	<12	b
	<b>02/07/2006</b>	<b>&lt;15,000</b>	<b>&lt;1,000</b>	<b>73</b>	<b>&lt;25</b>	<b>&lt;25</b>	<b>&lt;25</b>	<b>&lt;25</b>	<b>&lt;25</b>	
RW-1	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
	11/18/2003	<10,000	11,000	6,100	<50	<50	160	--	--	a,b

**Table 2**  
**Fuel Additives Analytical Data**  
Former BP Station #11132  
3201 35th Ave, Oakland, CA

SYMBOLS AND ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available  
< = Not detected at or above specified laboratory reporting limit  
1,2-DCA = 1,2-Dichloroethane  
DIPE = Di-isopropyl ether  
EDB = 1,2-Dibromoethane  
ETBE = Ethyl tert-butyl ether  
MTBE = Methyl tert-butyl ether  
TAME = tert-Amyl methyl ether  
TBA = tert-Butyl alcohol  
µg/L = Micrograms per Liter

FOOTNOTES:

a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria  
b = The continuing calibration verification for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

**Table 3**  
**Free Product Removal**  
Former BP Service Station #11132  
3201 35th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-1	7/9/1990	0.22	2.00	2.00
MW-1	12/21/1990	0.58	2.00	4.00
MW-1	3/7/1991	0.00	---	4.00
MW-1	6/27/1991	0.18	2.00	6.00
MW-1	9/27/1991	0.27	2.00	8.00
MW-1	12/18/1991	0.28	2.00	10.00
MW-1	4/1/1991	0.15	2.00	12.00
MW-1	7/3/1992	0.27	2.00	14.00
MW-1	10/5/1992	0.24	2.00	16.00
MW-1	1/13/1993	0.24	2.00	18.00
MW-1	4/23/1993	0.42	2.00	20.00
MW-1	7/12/1993	0.49	---	20.00
MW-1	10/21/1993	1.09	2.00	22.00
MW-1	1/21/1994	0.76	---	22.00
MW-1	4/20/1994	1.80	2.00	24.00
MW-1	8/1/1994	0.35	---	24.00
MW-1	1/26/1995	1.10	3.00	27.00
MW-1	6/8/95-6/28/95	1.25	0.70	27.70
MW-1	8/22/1995	0.85	0.15	27.85
MW-1	10/30/95-12/23/95	0.69	0.11	27.96
MW-1	1/25/96-2/16/95	1.40	1.08	29.04
MW-1	4/19/1996	1.22	0.75	29.79
MW-1	7/23/1996	0.89	0.00	29.79
MW-1	9/4/1996	---	0.35	30.14
MW-1	11/11/1996	0.89	0.98	31.12
MW-1	1/21/1997	0.90	0.20	31.32
MW-1	4/29/1997	0.85	0.25	31.57
MW-1	8/21/1997	---	0.15	31.72
MW-1	11/2/97-12/9/97	0.87	2.03	33.75
MW-1	2/3/1998	0.32	0.25	34.00
MW-1	2/4/1998	---	---	34.00
MW-1	5/28/1998	0.17	---	34.00
MW-1	12/30/1998	0.08	0.02	34.02
MW-1	2/2/1999	0.03	0.01	34.03
MW-1	5/10/1999	0.03	0.01	34.04
MW-1	8/24/1999	0.06	0.01	34.05
MW-1	11/3/1999	0.36	0.05	34.10
MW-1	3/1/2000	0.23	*	34.10
MW-1	4/21/2000	0.33	0.07	34.17
MW-1	7/31/2000	0.53	0.13	34.30
MW-1	11/20/2000	0.37	0.50	34.80
MW-1	2/18/2001	0.13	0.05	34.85
MW-1	2/26/2001	0.15	0.15	35.00
MW-1	6/7/2001	0.00	---	35.00
MW-1	9/5/2001	0.35	---	35.00
MW-1	11/30/2001	0.41	0.26	35.26
MW-1	12/6/2001	0.27	0.04	35.30

**Table 3**  
**Free Product Removal**  
Former BP Service Station #11132  
3201 35th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-1	2/20/2002	0.15	0.02	35.32
MW-1	6/20/2002	0.34	0.07	35.39
MW-1	9/11/2002	0.40	0.06	35.45
MW-1	11/12/2002	0.37	0.06	35.51
MW-1	1/29/2003	0.30	0.32	35.83
MW-1	5/22/2003	0.20	0.14	35.97
MW-1	6/24/2003	0.35	0.07	36.04
MW-1	7/28/2003	0.35	0.08	36.05
MW-1	8/12/2003	0.23	0.04	36.09
MW-1	9/12/2003	0.24	0.04	36.13
MW-1	10/3/2003	0.23	0.04	36.17
MW-1	11/18/2003	0.25	0.04	36.21
MW-1	12/31/2003	0.15	0.02	36.23
MW-1	2/2/2004	0.15	0.02	36.25
MW-1	2/23/2004	0.09	0.03	36.28
MW-1	3/18/2004	0.09	0.01	36.29
MW-1	4/13/2004	0.24	0.04	36.33
MW-1	5/4/2004	0.16	0.03	36.36
MW-1	6/2/2004	0.08	0.01	36.37
MW-1	7/2/2004	0.28	0.04	36.41
MW-1	8/4/2004	0.10	0.08	36.49
MW-1	9/22/2004	0.20	0.03	36.52
MW-1	10/26/2004	0.12	0.02	36.54
MW-1	11/10/2004	0.14	0.02	36.56
MW-1	12/27/2004	0.08	0.01	36.57
MW-1	1/13/2005	0.03	0.01	36.58
MW-1	2/15/2005	0.04	0.01	36.58
MW-1	3/7/2005	0.01	0.01	36.59
MW-1	4/29/2005	0.01	0.002	36.59
MW-1	5/16/2005	0.02	0.003	36.59
MW-1	6/21/2005	0.01	0.002	36.59
MW-1	7/7/2005	0.18	0.029	36.62
MW-1	8/17/2005	0.08	0.013	36.64
MW-1	9/6/2005	0.02	0.003	36.64
MW-1	10/4/2005	0.12	0.02	36.66
MW-1	9/6/2005	0.06	0.01	36.67
MW-1	12/30/2005	0.03	0.005	36.67
MW-1	1/24/2006	0.00	0.000	36.67
MW-1	2/7/2006	0.01	0.002	36.68
MW-1	3/30/2006	0.00	0.000	36.68
MW-8	11/02/93-12/09/98	0.12	1.62	1.62
MW-8	9/5/2001	0.04	---	1.66
MW-8	8/12/2003	<0.01 (SHEEN)	---	1.66
MW-8	10/3/2003	<0.01 (SHEEN)	---	1.66
MW-8	11/18/2003	<0.01 (SHEEN)	---	1.66
MW-8	12/31/2003	<0.01 (SHEEN)	---	1.66
MW-8	2/2/2004	<0.01 (SHEEN)	---	1.66
MW-8	2/23/2004	<0.01 (SHEEN)	---	1.66

**Table 3**  
**Free Product Removal**  
Former BP Service Station #11132  
3201 35th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-8	3/18/2004	<0.01 (SHEEN)	---	1.66
MW-8	4/13/2004	<0.01 (SHEEN)	---	1.66
MW-8	5/4/2004	<0.01 (SHEEN)	---	1.66
MW-8	6/2/2004	<0.01 (SHEEN)	---	1.66
MW-8	7/2/2004	--	--	1.66
MW-8	8/4/2004	0.05	0.11	1.77
MW-8	9/22/2004	--	--	1.77
MW-8	10/26/2004	--	--	1.77
MW-8	11/10/2004	--	--	1.77
MW-8	12/26/2004	--	--	1.77
MW-8	1/13/2005	--	--	1.77
MW-8	2/15/2005	--	--	1.77
MW-8	3/7/2005	--	--	1.77
MW-8	4/29/2005	--	--	1.77
MW-8	5/16/2005	--	--	1.77
MW-8	6/21/2005	--	--	1.77
MW-8	7/7/2005	--	--	1.77
MW-8	8/17/2005	--	--	1.77
MW-8	9/6/2005	--	--	1.77
MW-8	1/24/2006	--	--	1.77
MW-8	2/7/2006	--	--	1.77
MW-8	3/30/2006	--	--	1.77
MW-9	11/2/93-4/29/97	0.10	<0.1	0.88
MW-9	11/5/1997	0.01	<0.1	0.88
MW-9	1/29/2003	0.10	0.19	1.07
MW-9	6/24/2003	NM	NM	1.07
MW-9	7/28/2003	<0.01 (SHEEN)	--	1.07
MW-9	8/12/2003	<0.01 (SHEEN)	--	1.07
MW-9	9/12/2003	<0.01 (SHEEN)	--	1.07
MW-9	10/3/2003	0.01	0.00	1.07
MW-9	11/18/2003	<0.01 (SHEEN)	--	1.07
MW-9	12/31/2003	<0.01 (SHEEN)	--	1.07
MW-9	2/2/2004	<0.01 (SHEEN)	--	1.07
MW-9	2/23/2004	<0.01 (SHEEN)	--	1.07
MW-9	3/18/2004	<0.01 (SHEEN)	--	1.07
MW-9	4/13/2004	<0.01 (SHEEN)	--	1.07
MW-9	5/4/2004	<0.01 (SHEEN)	--	1.07
MW-9	6/2/2004	<0.01 (SHEEN)	--	1.07
MW-9	7/2/2004	--	--	1.07
MW-9	8/4/2004	0.03	0.05	1.12
MW-9	9/22/2004	--	--	1.12
MW-9	10/26/2004	--	--	1.12
MW-9	11/10/2004	--	--	1.12
MW-9	12/27/2004	--	--	1.12
MW-9	1/13/2005	--	--	1.12
MW-9	2/15/2005	--	--	1.12
MW-9	3/7/2005	--	--	1.12

**Table 3**  
**Free Product Removal**  
Former BP Service Station #11132  
3201 35th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-9	4/29/2005	--	--	1.12
MW-9	5/16/2005	--	--	1.12
MW-9	6/21/2005	--	--	1.12
MW-9	7/7/2005	--	--	1.12
MW-9	8/17/2005	--	--	1.12
MW-9	9/6/2005	--	--	1.12
MW-9	1/24/2006	--	--	1.12
MW-9	2/7/2006	SHEEN	--	1.12
MW-9	3/30/2006	--	--	1.12
MW-10	9/7/93-7/23/96	---	10.52	10.52
MW-10	9/4/1996	0.76	0.10	10.62
MW-10	11/11/1996	---	0.20	10.82
MW-10	1/21/1997	---	<0.03	10.85
MW-10	4/29/1997	---	0.04	10.89
MW-10	4/29/1997	---	0.04	10.93
MW-10	12/2/1997	0.03	<0.1	10.93
MW-10	2/3/1998	---	<0.1	10.93
MW-10	9/5/2001	0.01	---	10.93
MW-10	11/12/2002	0.07	0.01	10.94
MW-10	1/29/2003	0.03	0.03	10.97
MW-10	6/24/2003	0.04	0.01	10.98
MW-10	7/28/2003	0.04	0.02	11.00
MW-10	8/12/2003	<0.01 (SHEEN)	--	11.00
MW-10	10/3/2003	<0.01 (SHEEN)	--	11.00
MW-10	11/18/2003	<0.01 (SHEEN)	--	11.00
MW-10	12/31/2003	<0.01 (SHEEN)	--	11.00
MW-10	2/2/2004	<0.01 (SHEEN)	--	11.00
MW-10	2/23/2004	<0.01 (SHEEN)	--	11.00
MW-10	3/18/2004	<0.01 (SHEEN)	--	11.00
MW-10	4/13/2004	<0.01 (SHEEN)	--	11.00
MW-10	5/4/2004	<0.01 (SHEEN)	--	11.00
MW-10	6/2/2004	<0.01 (SHEEN)	--	11.00
MW-10	7/2/2004	<0.01 (SHEEN)	--	11.00
MW-10	8/4/2004	0.08	0.11	11.11
MW-10	9/22/2004	--	--	11.11
MW-10	10/26/2004	--	--	11.11
MW-10	11/10/2004	--	--	11.11
MW-10	12/27/2004	--	--	11.11
MW-10	1/13/2005	<0.01 (SHEEN)	--	11.11
MW-10	2/15/2005	--	--	11.11
MW-10	3/7/2005	--	--	11.11
MW-10	4/29/2005	--	--	11.11
MW-10	5/16/2005	--	--	11.11
MW-10	6/21/2005	--	--	11.11
MW-10	7/7/2005	--	--	11.11
MW-10	8/17/2005	--	--	11.11
MW-10	9/6/2005	--	--	11.11
MW-10	1/24/2006	--	--	11.11
MW-10	2/7/2006	SHEEN	--	11.11
MW-10	3/30/2006	--	--	11.11



**Table 3**  
**Free Product Removal**  
Former BP Service Station #11132  
3201 35th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
RW-1	9/5/2001	0.02	---	0.00
RW-1	6/20/2002	**	---	0.00
RW-1	9/11/2002	0.03	0.04	0.04
RW-1	11/12/2002	0.02	0.03	0.07
RW-1	1/29/2003	0.04	0.07	0.14
RW-1	6/24/2003	0.07	0.04	0.18
RW-1	7/28/2003	0.04	0.02	0.20
RW-1	8/12/2003	<0.01 (SHEEN)	--	0.20
RW-1	9/12/2003	0.07	0.10	0.30
RW-1	10/3/2003	0.03	0.04	0.34
RW-1	11/18/2003	<0.01 (SHEEN)	--	0.34
RW-1	12/31/2003	<0.01 (SHEEN)	--	0.34
RW-1	2/23/2004	0.01	0.01	0.35
RW-1	3/18/2004	0.09	0.12	0.47
RW-1	4/13/2004	0.02	0.03	0.50
RW-1	5/4/2004	0.02	0.03	0.53
RW-1	6/2/2004	0.05	0.02	0.55
RW-1	7/2/2004	0.11	0.16	0.71
RW-1	8/4/2004	0.05	0.16	0.87
RW-1	9/22/2004	0.06	0.09	0.95
RW-1	10/26/2004	0.01	0.01	0.96
RW-1	11/10/2004	0.02	0.03	0.99
RW-1	12/27/2004	0.03	0.01	1.00
RW-1	1/13/2005	0.01	0.00	1.01
RW-1	2/15/2005	0.03	0.04	1.05
RW-1	3/7/2005	0.02	0.03	1.08
RW-1	4/29/2005	0.03	0.04	1.12
RW-1	5/16/2005	0.02	0.03	1.15
RW-1	6/21/2005	0.03	0.01	1.17
RW-1	7/7/2005	0.06	0.09	1.26
RW-1	8/17/2005	0.03	0.04	1.30
RW-1	9/6/2005	0.03	0.04	1.35
RW-1	10/4/2005	0.07	0.10	1.45
RW-1	11/18/2005	0.07	0.01	1.46
RW-1	12/30/2005	0.04	0.006	1.46
RW-1	1/24/2006	0.01	0.015	1.48
RW-1	2/7/2006	0.01	0.015	1.49
RW-1	3/30/2006	0.02	0.03	1.52

Free Product Removed this Quarter = 0.06

Total Free Product = 52.17

NM = Unable to gauge free product thickness or remove product because the well was inaccessible.

\* There was no hazardous waste drum on-site, therefore no product was removed.

\*\* Indeterminate thickness of product. The nature of product is unknown, very viscous.

\*\*\* Data prior to 1998 is incomplete, and amounts removed are estimates based on quarter reports from the previous consultants.

The data within this table collected prior to June 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

**ATTACHMENT A**  
**FIELD PROCEDURES AND FIELD DATA SHEETS**

## **FIELD PROCEDURES**

---

### **Sampling Procedures**

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon<sup>TM</sup> bailer or an oil-water interface probe.

Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 060124-DAT Date 1/24/06 Client 11152

Site 3201 35<sup>th</sup> St. Oakland CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	2	SPH				15.51	-	TOC
MW-8	2					10.99	-	↓
MW-9	2					11.38	-	
MW-10	2					12.60	-	
RW-1	6	SPH	13.21	0.01	55	13.22	-	

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060124-DA1</u>	Station # <u>BP11132</u>
Sampler: <u>DA/DR</u>	Date: <u>1/24/06</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>②</u> 3 4 6 8 <u>    </u>
Total Well Depth: <u>15.50</u>	Depth to Water: <u>                    </u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: <u>                    </u>	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: <u>                    </u>
--	--

Top of Screen:                      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>                    </u> 1 Case Volume (Gals.)	x	<u>Bail SPD</u> Specified Volumes	=	<u>                    </u> Calculated Volume	Gals.
--	---	--------------------------------------	---	--	-------

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations

Did well dewater? Yes No Gallons actually evacuated:                     

Sampling Time:                      Sampling Date:                     

Sample I.D.:                      Laboratory: Pace Sequoia Other                     

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:                     

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060124-DAX	Station # BP 11132
Sampler: OA/PR	Date: 1/24/06
Well I.D.: MW-9	Well Diameter: <input checked="" type="radio"/> 2    3    4    6    8    _____
Total Well Depth: -	Depth to Water: 10.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVE    Grade: _____	D.O. Meter (if req'd):    YSI    HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	x	Bail SPH	=	_____ Gals.
I Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		No	SPH detected		

Did well dewater?    Yes    No    Gallons actually evacuated: \_\_\_\_\_

Sampling Time: \_\_\_\_\_    Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_    Laboratory:    Pace    Sequoia    Other \_\_\_\_\_

Analyzed for:    GRO    BTEX    MTBE    DRO    Oxy's    1,2-DCA    EDB    Ethanol    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060124-DK2</u>	Station # <u>1132</u>
Sampler: <u>DA/BA</u>	Date: <u>1/24/06</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>3</u> 3 4 6 8 _____
Total Well Depth: <u>11.38</u>	Depth to Water: _____
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade:	D.O. Meter (if req'd): <u>YSI</u> <u>HACH</u>

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: ~~Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible Extraction Pump  
 Other: \_\_\_\_\_~~

Sampling Method: ~~Bailer  
 Disposable Bailer  
 Extraction Port  
 Other: \_\_\_\_\_~~

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	<u>3 gal SPIT</u>	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
			<u>No SPIT detected</u>		

Did well dewater? Yes  No  Gallons actually evacuated: \_\_\_\_\_

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_ Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060124-DAZ</u>	Station # <u>1172</u>
Sampler: <u>DA/R</u>	Date: <u>1/24/00</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>1260</u>	Depth to Water: _____
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade:	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer  
Disposable Bailer  
Positive Air Displacement  
Electric Submersible  
Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method: Bailer  
Disposable Bailer  
Extraction Port  
 Other: \_\_\_\_\_

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	x	<u>3 gal SPIT</u>	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					<u>No SPIT detected</u>

Did well dewater? <u>Yes</u> <u>No</u>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: <u>Pace</u> <u>Sequoia</u> Other: _____
Analyzed for: <u>GRO</u> <u>BTEX</u> <u>MTBE</u> <u>DRO</u> <u>Oxy's</u> <u>1,2-DCA</u> <u>BDB</u> <u>Ethanol</u> Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L      Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV      Post-purge: _____ mV



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060124-DA2	Station # BP 11132
Sampler: PA	Date: 1/24/06
Well I.D.: RW-1	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: —	Depth to Water: 13.22
Depth to Free Product: 13.21	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade:	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	x	Bail SPH	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		Bailed	55 ml	SPH	

Did well dewater? Yes <input type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: _____	Sampling Date: _____	
Sample I.D.: _____	Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO Ony's 1,2-DCA EDB Ethanol	Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

## WELL GAUGING DATA

Project # 060207-DA1 Date 2/7/06 Client BP 1132

Site 3201 35<sup>th</sup> Ave. Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	2		15.18	0.01	7	15.19	—	TOC
MW-2	2					13.31	31.68	
MW-3	2					11.64	34.40	
MW-4	2					16.74	39.91	
MW-5	2					10.27	31.54	
MW-6	2					9.93	34.45	
MW-7	2					14.26	34.78	
MW-8	2		No SPH detected			10.73	38.80	
MW-9	2					10.95	27.73	
MW-10	2	Sheen	No SPH detected			12.28	34.25	
RW-1	6		12.86	0.01	56	12.87	—	

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 11132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>3</u> 4 6 8 _____
Total Well Depth:	Depth to Water: <u>15.19</u>
Depth to Free Product: <u>15.19</u>	Thickness of Free Product (feet): <u>0.01</u>
Referenced to: <u>PVE</u> Grade _____	D.O. Meter (if req'd): YSI _____ HACH _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	x	<u>Bail SPH</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
			<u>Bailed Final SPH</u>		

Did well dewater? <u>Yes</u> <input type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: <u>2/7/06</u>
Sample I.D.: <u>MW-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>GRO BTEX MTBE DRO Oxy's 1,2-DCA BDE Ethanol</u>	Other: _____
D.O. (if req'd):	Pre-purge: _____ mg/L      Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV      Post-purge: _____ mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 1132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>31.68</u>	Depth to Water: <u>13.31</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer      Sampling Method:  Bailer

Disposable Bailer       Disposable Bailer

Positive Air Displacement       Extraction Port

Electric Submersible

Extraction Pump

Other: \_\_\_\_\_

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.9</u>	x	<u>3</u>	=	<u>8.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1336	72.6	6.7	1617	3	Clear, odor
1339	71.5	6.8	1786	6	"
1341	70.4	6.7	1928	9	"

Did well dewater? Yes   No      Gallons actually evacuated: 9

Sampling Time: 1343      Sampling Date: 2/7/06

Sample I.D.: MW-2      Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060207-DA1	Station # BP 1132
Sampler: DA	Date: 2/7/06
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 34.40	Depth to Water: 11.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade.	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.6	x	3	=	10.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1314	71.1	7.1	566	4	fan, cloudy
1318	70.8	7.1	541	8	"
1321	70.6	7.1	543	11	"

Did well dewater? Yes  No  Gallons actually evacuated: 11

Sampling Time: 1323 Sampling Date: 2/7/06

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: ~~ORO BTEX MTBE DRO~~ Oxy's 1,2-DCA ~~EDR Ethanol~~ Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 11132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>3</u> 4 6 8
Total Well Depth: <u>39.91</u>	Depth to Water: <u>16.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Positive Air Displacement</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Extraction Port</u> Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>3.7</u>	x	<u>3</u>	=	<u>11.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1255	69.2	6.9	650	4	clear cloudy, tan
1258	69.4	6.8	771	8	"
1301	69.1	6.8	793	11.5	"

Did well dewater? Yes  No  Gallons actually evacuated: 11.5

Sampling Time: 1303 Sampling Date: 2/7/06

Sample I.D.: MW-4 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GR0 BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 11132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>31.54</u>	Depth to Water: <u>10.27</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade _____	D.O. Meter (if req'd): YSI _____ HACH _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Positive Air Displacement</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Extraction Port</u> Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>3.4</u>	x	<u>3</u>	=	<u>10.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1123	65.8	6.7	1590	3.5	grey, cloudy, odor
1126	65.9	6.7	1641	7	"
1129	66.0	6.7	1646	10.5	"

Did well dewater? Yes  No  Gallons actually evacuated: 10.5

Sampling Time: 1131 Sampling Date: 2/7/06

Sample I.D.: MW-5 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GRO ATEX MIBE DRO Oxy's 1,2-DCA BDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 1132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>②</u> 3 4 6 8 _____
Total Well Depth: <u>34.45</u>	Depth to Water: <u>9.93</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVD</u> Grade:	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: <u>578" tubing w/ check valve</u>	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: <u>same as purge</u>
--	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>3.9</u>	x	<u>3</u>	=	<u>11.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u> )	Gals. Removed	Observations
0949	66.9	7.4	560	4	cloudy, tan
0953	67.1	7.2	556	8	
0957	67.4	7.1	553	12	
			well was partially parked over		

Did well dewater? Yes  Gallons actually evacuated: 12

Sampling Time: 0959 Sampling Date: 2/7/06

Sample I.D.: MW-6 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060207-DX1	Station # BP11132
Sampler: DA	Date: 2/7/06
Well I.D.: MW-7	Well Diameter: ② 3 4 6 8 _____
Total Well Depth: 34.78	Depth to Water: 14.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade _____	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer      Sampling Method:  Bailer

Disposable Bailer       Disposable Bailer

Positive Air Displacement       Extraction Port

Electric Submersible      Other: \_\_\_\_\_

Extraction Pump

Other: \_\_\_\_\_

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.3	x	3	=	9.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1031	66.3	6.8	1069	3.5	grey, cloudy
1034	65.5	7.1	1045	7	"
1037	65.4	7.3	1048	10	"

Did well dewater? Yes  No  Gallons actually evacuated: 10

Sampling Time: 1039      Sampling Date: 2/7/06

Sample I.D.: MW-7      Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: ORO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060207-0A1	Station # BP 11132
Sampler: DA	Date: 2/7/06
Well I.D.: MW-8	Well Diameter: ② 3 4 6 8
Total Well Depth: 38.80	Depth to Water: 10.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>4.5</u>	x	<u>3</u>	=	<u>13.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <del>µS</del> )	Gals. Removed	Observations
1054	65.2	6.7	1347	4.5	grey, odor, cloudy
1058	65.8	6.7	1442	9	"
1102	66.2	6.6	1444	13.5	"

Did well dewater? Yes   No      Gallons actually evacuated: 13.5

Sampling Time: 1104      Sampling Date: 2/7/06

Sample I.D.: MW-8      Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: ORO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-DA1</u>	Station # <u>BP 11132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>27.73</u>	Depth to Water: <u>10.95</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade _____	D.O. Meter (if req'd): YSI _____ HACH _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.7</u>	x	<u>3</u>	=	<u>8.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1233	67.5	6.9	1091	3	grey, cloudy, odor, shoen
1236	68.1	6.9	1093	6	"
1239	68.6	6.9	1090	8.5	"
					"

Did well dewater? Yes  No  Gallons actually evacuated: 8.5

Sampling Time: 1241 Sampling Date: 2/7/06

Sample I.D.: MW-9 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: ORO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060207-DA1	Station # BP 1132
Sampler: DA	Date: 2/7/06
Well I.D.: MW-10	Well Diameter: ② 3 4 6 8 _____
Total Well Depth: 34.25	Depth to Water: 12.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVQ</u> Grade _____	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.5	x	3	=	10.5	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1200	63.8	6.9	1305	3.5	clear, sheen
1203	64.8	6.8	1140	7	"
1207	65.1	6.8	1112	10.5	"

Did well dewater? Yes   No      Gallons actually evacuated: 10.5

Sampling Time: 1209      Sampling Date: 2/7/06

Sample I.D.: MW-10      Laboratory: Pace Sequora Other \_\_\_\_\_

Analyzed for: QO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060207-RA1</u>	Station # <u>BP 1132</u>
Sampler: <u>DA</u>	Date: <u>2/7/06</u>
Well I.D.: <u>RW-1</u>	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: <u>—</u>	Depth to Water: <u>12.87</u>
Depth to Free Product: <u>12.86</u>	Thickness of Free Product (feet): <u>0.01</u>
Referenced to: <u>FVO</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	<u>Bail SPH</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
			<u>56 mL SPH</u>		

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: _____	Sampling Date: <u>2/7/06</u>	
Sample I.D.: <u>RW-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: <u>ORO BTEX MTBE DRO Day's 1,2-DCA EDB Ethanol</u>	Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

**BP GEM OIL COMPANY TYPE A BILL OF LADING**

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is PLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

BP 1113 2

Station #

3201 35<sup>th</sup> Ave. Oakland, CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

87.5

added equip. 5  
rinse water \_\_\_\_\_

any other adjustments \_\_\_\_\_

**TOTAL GALS. RECOVERED** 92.5

loaded onto BTS vehicle # 49

BTS event #

time

date

060207-041

1415

2, 7, 06

signature

*David Albert*

\*\*\*\*\*

REC'D AT

time

date

unloaded by  
signature \_\_\_\_\_

1 1

## WELL GAUGING DATA

Project # 060330-PC2      Date 3/30/06      Client BP 11132

Site 3201 35th Ave., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	odor No SPH detected				13.81	-	TOC	✓SPH
MW-8	2	" "	"			9.82		     	Tr.
MW-9	2	No SPH detected				10.10	-		Tr.
MW-10	2	" "	"			11.72			Tr.
RW-1	6	odor	11.18	0.02	114 H <sub>2</sub>	11.20	-		Tr.

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060330-PC2</u>	Station # <u>BP 11132</u>
Sampler: <u>PC</u>	Date: <u>3/30/00</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>—</u>	Depth to Water: <u>13.81</u>
Depth to Free Product: <u>.</u>	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <del>Disposable Bailer</del> <del>Positive Air Displacement</del> <del>Electric Submersible Extraction Pump</del> Other: _____	Sampling Method: <u>Bailer</u> <del>Disposable Bailer</del> <del>Extraction Port</del> Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
			<u>NO SPH detected</u>		

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: <u>Pace</u> Sequoia Other _____
Analyzed for: <u>ORO</u> BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060330.PCZ	Station # BP 1132
Sampler: PC	Date: 3/3/06
Well I.D.: MW-8	Well Diameter: ② 3 4 6 8
Total Well Depth: -	Depth to Water: 902
Depth to Free Product: -	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
			NO SPH detected		

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Time:	Sampling Date:		
Sample I.D.:	Laboratory: Pace Sequoia Other _____		
Analyzed for:	GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>0600330-PCZ</u>	Station # <u>BP 11132</u>
Sampler: <u>PC</u>	Date: <u>3/30/00</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>—</u>	Depth to Water: <u>10.10</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
			<u>NO SPH detected</u>		

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: _____	Sampling Date: _____	
Sample I.D.: _____	Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol	Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060330-ALZ</u>	Station # <u>BP 1132</u>
Sampler: <u>PC</u>	Date: <u>3/30/06</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>-</u>	Depth to Water: <u>11.72</u>
Depth to Free Product: <u>-</u>	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade _____	D.O. Meter (if req'd): YSI _____ HACH _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
			<u>NO SPH detected</u>		

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: <u>Pace</u> Sequoia Other _____
Analyzed for: <u>GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol</u> Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L      Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV      Post-purge: _____ mV

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060330-PCZ</u>	Station # <u>BP 1132</u>
Sampler: <u>PC</u>	Date: <u>3/30/06</u>
Well I.D.: <u>RW-1</u>	Well Diameter: <del>3</del> 4 <u>6</u> 8
Total Well Depth: <u>-</u>	Depth to Water: <u>11.20</u>
Depth to Free Product: <u>11.18</u>	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade:	D.O. Meter (if req'd): <u>YSI</u> <u>HACH</u>

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <del>Disposable Bailer</del> <del>Positive Air Displacement</del> <del>Electric Submersible</del> <del>Extraction Pump</del> Other: _____	Sampling Method: <u>Bailer</u> <del>Disposable Bailer</del> <del>Extraction Port</del> Other: _____
--	--

Top of Screen: \_\_\_\_\_ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
			<u>No SPH detected</u>		
			<u>114ml SPH &amp; H<sub>2</sub>O Bailed</u>		

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: <u>Pace</u> <u>Sequoia</u> Other _____
Analyzed for: <u>GRO</u> <u>BTEX</u> <u>MTBE</u> <u>DRO</u> <u>Oxy's</u> <u>1,2-DCA</u> <u>EDB</u> <u>Ethanol</u>	Other: _____
D.O. (if req'd): _____	Pre-purge: _____ mg/L      Post-purge: _____ mg/L
O.R.P. (if req'd): _____	Pre-purge: _____ mV      Post-purge: _____ mV

**ATTACHMENT B**

**LABORATORY PROCEDURES,  
CERTIFIED ANALYTICAL REPORTS,  
AND CHAIN-OF-CUSTODY RECORDS**

## **LABORATORY PROCEDURES**

---

### **Laboratory Procedures**

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.



24 February, 2006

Lynelle Onishi  
URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland, CA 94612

RE: BP Heritage #11132, Oakland, CA  
Work Order: MPB0480

Enclosed are the results of analyses for samples received by the laboratory on 02/07/06 18:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race  
Senior Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0025  
Project Manager:Lynelle Onishi

MPB0480  
Reported:  
02/24/06 15:46

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MPB0480-01	Water	02/07/06 13:43	02/07/06 18:05
MW-3	MPB0480-02	Water	02/07/06 13:23	02/07/06 18:05
MW-4	MPB0480-03	Water	02/07/06 13:03	02/07/06 18:05
MW-5	MPB0480-04	Water	02/07/06 11:31	02/07/06 18:05
MW-6	MPB0480-05	Water	02/07/06 09:59	02/07/06 18:05
MW-7	MPB0480-06	Water	02/07/06 10:39	02/07/06 18:05
MW-8	MPB0480-07	Water	02/07/06 11:04	02/07/06 18:05
MW-9	MPB0480-08	Water	02/07/06 12:41	02/07/06 18:05
MW-10	MPB0480-09	Water	02/07/06 12:09	02/07/06 18:05
TB-11132-02072006	MPB0480-10	Water	02/07/06 00:00	02/07/06 18:05

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.



URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

### Volatile Organic Compounds by EPA Method 8260B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2 (MPB0480-01) Water    Sampled: 02/07/06 13:43    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	100	ug/l	200	6B16012	02/16/06	02/17/06	EPA 8260B	
<b>Benzene</b>	<b>8900</b>	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	<b>160</b>	100	"	"	"	"	"	"	
Ethanol	ND	60000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3600</b>	100	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>440</b>	100	"	"	"	"	"	"	
<b>Toluene</b>	<b>5800</b>	100	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>14000</b>	100	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>74000</b>	10000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	60-135	"	"	"	"	"	
<b>MW-3 (MPB0480-02) Water    Sampled: 02/07/06 13:23    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B16012	02/16/06	02/17/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.4</b>	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>2.3</b>	0.50	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>65</b>	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96 %	60-135	"	"	"	"	"	

URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0025  
Project Manager:Lynelle Onishi

MPB0480  
Reported:  
02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MPB0480-03) Water    Sampled: 02/07/06 13:03    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B16012	02/16/06	02/17/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.0</b>	<b>0.50</b>	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>29</b>	<b>0.50</b>	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>3.0</b>	<b>0.50</b>	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>100</b>	<b>50</b>	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98 %</i>	<i>60-135</i>		"	"	"	"	
<b>MW-5 (MPB0480-04) Water    Sampled: 02/07/06 11:31    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	5.0	ug/l	10	6B16012	02/16/06	02/17/06	EPA 8260B	
<b>Benzene</b>	<b>590</b>	<b>5.0</b>	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>86</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>200</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Toluene</b>	<b>9.6</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>110</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>2100</b>	<b>500</b>	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>110 %</i>	<i>60-135</i>		"	"	"	"	

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-6 (MPB0480-05) Water    Sampled: 02/07/06 09:59    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B16012	02/16/06	02/17/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-135	"	"	"	"	"	
<b>MW-7 (MPB0480-06) Water    Sampled: 02/07/06 10:39    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	5.0	ug/l	10	6B17002	02/17/06	02/17/06	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>270</b>	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-135	"	"	"	"	"	

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**MW-8 (MPB0480-07) Water**    **Sampled: 02/07/06 11:04**    **Received: 02/07/06 18:05**

tert-Amyl methyl ether	ND	5.0	ug/l	10	6B20011	02/20/06	02/20/06	EPA 8260B	
<b>Benzene</b>	<b>94</b>	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>260</b>	5.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>7.5</b>	5.0	"	"	"	"	"	"	
<b>Toluene</b>	<b>27</b>	5.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>820</b>	5.0	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>5700</b>	500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %		60-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %		65-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %		70-120	"	"	"	"	

**MW-9 (MPB0480-08) Water**    **Sampled: 02/07/06 12:41**    **Received: 02/07/06 18:05**

tert-Amyl methyl ether	5.4	5.0	ug/l	10	6B16012	02/16/06	02/17/06	EPA 8260B	
<b>Benzene</b>	<b>110</b>	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>770</b>	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<b>Toluene</b>	<b>8.7</b>	5.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1500</b>	5.0	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>18000</b>	500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		122 %		60-135	"	"	"	"	



URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0025  
Project Manager:Lynelle Onishi

MPB0480  
Reported:  
02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-10 (MPB0480-09) Water    Sampled: 02/07/06 12:09    Received: 02/07/06 18:05</b>									
tert-Amyl methyl ether	ND	25	ug/l	50	6B17002	02/17/06	02/17/06	EPA 8260B	
<b>Benzene</b>	<b>340</b>	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1300</b>	25	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>73</b>	25	"	"	"	"	"	"	
<b>Toluene</b>	<b>580</b>	25	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>4500</b>	25	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>22000</b>	2500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		60-135	"	"	"	"	

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B16012 - EPA 5030B P/T / EPA 8260B**
**Blank (6B16012-BLK1)**

Prepared &amp; Analyzed: 02/16/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.34		"	5.00		107	60-135			

**Laboratory Control Sample (6B16012-BS1)**

Prepared &amp; Analyzed: 02/16/06

tert-Amyl methyl ether	16.5	0.50	ug/l	16.3		101	80-115			
Benzene	4.67	0.50	"	5.04		93	65-115			
tert-Butyl alcohol	157	20	"	169		93	75-150			
Di-isopropyl ether	16.0	0.50	"	16.2		99	75-125			
1,2-Dibromoethane (EDB)	15.9	0.50	"	16.6		96	85-120			
1,2-Dichloroethane	16.0	0.50	"	15.5		103	85-130			
Ethanol	182	300	"	165		110	70-135			
Ethyl tert-butyl ether	15.8	0.50	"	16.4		96	75-130			
Ethylbenzene	6.70	0.50	"	7.28		92	75-135			
Methyl tert-butyl ether	7.82	0.50	"	7.84		100	65-125			
Toluene	39.5	0.50	"	38.0		104	85-120			
Xylenes (total)	41.2	0.50	"	40.8		101	85-125			
Gasoline Range Organics (C4-C12)	373	50	"	440		85	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.30		"	5.00		106	60-135			

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B16012 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6B16012-MS1)	Source: MPB0486-01			Prepared & Analyzed: 02/16/06						
tert-Amyl methyl ether	1700	50	ug/l	1630	12	104	80-115			
Benzene	8100	50	"	504	8500	0	65-115			BB,LN
tert-Butyl alcohol	16200	2000	"	16900	ND	96	75-120			
Di-isopropyl ether	1590	50	"	1620	ND	98	75-125			
1,2-Dibromoethane (EDB)	1570	50	"	1660	ND	95	85-120			
1,2-Dichloroethane	1570	50	"	1550	170	90	85-130			
Ethanol	17400	30000	"	16500	ND	105	70-135			
Ethyl tert-butyl ether	1610	50	"	1640	ND	98	75-130			
Ethylbenzene	2190	50	"	728	1400	109	75-135			
Methyl tert-butyl ether	737	50	"	784	ND	94	65-125			
Toluene	4310	50	"	3800	560	99	85-120			
Xylenes (total)	7440	50	"	4080	3300	101	85-125			
Gasoline Range Organics (C4-C12)	65600	5000	"	44000	28000	85	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.60</i>		<i>"</i>	<i>5.00</i>		<i>112</i>	<i>60-135</i>			

Matrix Spike Dup (6B16012-MSD1)	Source: MPB0486-01			Prepared: 02/16/06 Analyzed: 02/17/06						
tert-Amyl methyl ether	1820	50	ug/l	1630	12	111	80-115	7	15	
Benzene	8470	50	"	504	8500	0	65-115	4	20	BB,LN
tert-Butyl alcohol	17300	2000	"	16900	ND	102	75-120	7	25	
Di-isopropyl ether	1690	50	"	1620	ND	104	75-125	6	15	
1,2-Dibromoethane (EDB)	1660	50	"	1660	ND	100	85-120	6	15	
1,2-Dichloroethane	1640	50	"	1550	170	95	85-130	4	20	
Ethanol	17400	30000	"	16500	ND	105	70-135	0	35	
Ethyl tert-butyl ether	1700	50	"	1640	ND	104	75-130	5	25	
Ethylbenzene	2160	50	"	728	1400	104	75-135	1	15	
Methyl tert-butyl ether	814	50	"	784	ND	104	65-125	10	20	
Toluene	4470	50	"	3800	560	103	85-120	4	20	
Xylenes (total)	7380	50	"	4080	3300	100	85-125	0.8	20	
Gasoline Range Organics (C4-C12)	65300	5000	"	44000	28000	85	60-140	0.5	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.68</i>		<i>"</i>	<i>5.00</i>		<i>114</i>	<i>60-135</i>			

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B17002 - EPA 5030B P/T / EPA 8260B**
**Blank (6B17002-BLK1)**

Prepared &amp; Analyzed: 02/17/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							

*Surrogate: 1,2-Dichloroethane-d4*

5.24

"

5.00

105

60-135

**Laboratory Control Sample (6B17002-BS1)**

Prepared &amp; Analyzed: 02/17/06

tert-Amyl methyl ether	17.2	0.50	ug/l	16.3		106	80-115			
Benzene	4.67	0.50	"	5.04		93	65-115			
tert-Butyl alcohol	146	20	"	169		86	75-150			
Di-isopropyl ether	15.6	0.50	"	16.2		96	75-125			
1,2-Dibromoethane (EDB)	15.9	0.50	"	16.6		96	85-120			
1,2-Dichloroethane	16.1	0.50	"	15.5		104	85-130			
Ethanol	154	300	"	165		93	70-135			
Ethyl tert-butyl ether	16.0	0.50	"	16.4		98	75-130			
Ethylbenzene	6.15	0.50	"	7.28		84	75-135			
Methyl tert-butyl ether	7.55	0.50	"	7.84		96	65-125			
Toluene	37.7	0.50	"	38.0		99	85-120			
Xylenes (total)	39.2	0.50	"	40.8		96	85-125			
Gasoline Range Organics (C4-C12)	368	50	"	440		84	60-140			

*Surrogate: 1,2-Dichloroethane-d4*

4.99

"

5.00

100

60-135



URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B17002 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6B17002-MS1)	Source: MPB0480-09			Prepared & Analyzed: 02/17/06						
tert-Amyl methyl ether	877	25	ug/l	816	ND	107	80-115			
Benzene	581	25	"	252	340	96	65-115			
tert-Butyl alcohol	8390	1000	"	8440	300	96	75-120			
Di-isopropyl ether	818	25	"	812	ND	101	75-125			
1,2-Dibromoethane (EDB)	814	25	"	832	ND	98	85-120			
1,2-Dichloroethane	828	25	"	776	ND	107	85-130			
Ethanol	8310	15000	"	8240	ND	101	70-135			
Ethyl tert-butyl ether	826	25	"	820	ND	101	75-130			
Ethylbenzene	1600	25	"	364	1300	82	75-135			
Methyl tert-butyl ether	467	25	"	392	73	101	65-125			
Toluene	2470	25	"	1900	580	99	85-120			
Xylenes (total)	6250	25	"	2040	4500	86	85-125			
Gasoline Range Organics (C4-C12)	42000	2500	"	22000	22000	91	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.38</i>		<i>"</i>	<i>5.00</i>		<i>108</i>	<i>60-135</i>			

Matrix Spike Dup (6B17002-MSD1)	Source: MPB0480-09			Prepared & Analyzed: 02/17/06						
tert-Amyl methyl ether	895	25	ug/l	816	ND	110	80-115	2	15	
Benzene	609	25	"	252	340	107	65-115	5	20	
tert-Butyl alcohol	8120	1000	"	8440	300	93	75-120	3	25	
Di-isopropyl ether	808	25	"	812	ND	100	75-125	1	15	
1,2-Dibromoethane (EDB)	822	25	"	832	ND	99	85-120	1	15	
1,2-Dichloroethane	810	25	"	776	ND	104	85-130	2	20	
Ethanol	8380	15000	"	8240	ND	102	70-135	0.8	35	
Ethyl tert-butyl ether	823	25	"	820	ND	100	75-130	0.4	25	
Ethylbenzene	1720	25	"	364	1300	115	75-135	7	15	
Methyl tert-butyl ether	460	25	"	392	73	99	65-125	2	20	
Toluene	2640	25	"	1900	580	108	85-120	7	20	
Xylenes (total)	6800	25	"	2040	4500	113	85-125	8	20	
Gasoline Range Organics (C4-C12)	43400	2500	"	22000	22000	97	60-140	3	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.16</i>		<i>"</i>	<i>5.00</i>		<i>103</i>	<i>60-135</i>			

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B20011 - EPA 5030B P/T / EPA 8260B**
**Blank (6B20011-BLK1)**

Prepared &amp; Analyzed: 02/20/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.05		"	5.00		101	60-135			
<i>Surrogate: Toluene-d8</i>	4.47		"	5.00		89	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.80		"	5.00		96	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.94		"	5.00		99	70-120			

**Laboratory Control Sample (6B20011-BS1)**

Prepared &amp; Analyzed: 02/20/06

tert-Amyl methyl ether	17.2	0.50	ug/l	16.3		106	80-115			
Benzene	4.76	0.50	"	5.04		94	65-115			
tert-Butyl alcohol	150	20	"	169		89	75-150			
Di-isopropyl ether	16.6	0.50	"	16.2		102	75-125			
1,2-Dibromoethane (EDB)	16.1	0.50	"	16.6		97	85-120			
1,2-Dichloroethane	17.3	0.50	"	15.5		112	85-130			
Ethanol	157	300	"	165		95	70-135			
Ethyl tert-butyl ether	16.3	0.50	"	16.4		99	75-130			
Ethylbenzene	6.69	0.50	"	7.28		92	75-135			
Methyl tert-butyl ether	8.15	0.50	"	7.84		104	65-125			
Toluene	39.0	0.50	"	38.0		103	85-120			
Xylenes (total)	40.0	0.50	"	40.8		98	85-125			
Gasoline Range Organics (C4-C12)	398	50	"	440		90	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.05		"	5.00		101	60-135			
<i>Surrogate: Toluene-d8</i>	4.68		"	5.00		94	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.76		"	5.00		95	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	5.24		"	5.00		105	70-120			

Sequoia Analytical - Morgan Hill

*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.*

URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0025  
 Project Manager:Lynelle Onishi

 MPB0480  
 Reported:  
 02/24/06 15:46

### Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6B20011 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6B20011-MS1)	Source: MPB0660-01RE1			Prepared & Analyzed: 02/20/06						
tert-Amyl methyl ether	87.4	2.5	ug/l	81.6	0.80	106	80-115			
Benzene	119	2.5	"	25.2	92	107	65-115			
tert-Butyl alcohol	776	100	"	844	ND	92	75-120			
Di-isopropyl ether	87.8	2.5	"	81.2	3.4	104	75-125			
1,2-Dibromoethane (EDB)	85.6	2.5	"	83.2	ND	103	85-120			
1,2-Dichloroethane	80.8	2.5	"	77.6	3.0	100	85-130			
Ethanol	827	1500	"	824	ND	100	70-135			
Ethyl tert-butyl ether	83.8	2.5	"	82.0	ND	102	75-130			
Ethylbenzene	209	2.5	"	36.4	170	107	75-135			
Methyl tert-butyl ether	51.2	2.5	"	39.2	10	105	65-125			
Toluene	213	2.5	"	190	13	105	85-120			
Xylenes (total)	314	2.5	"	204	120	95	85-125			
Gasoline Range Organics (C4-C12)	6530	250	"	2200	4600	88	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.13</i>		<i>"</i>	<i>5.00</i>		<i>103</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.59</i>		<i>"</i>	<i>5.00</i>		<i>92</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.66</i>		<i>"</i>	<i>5.00</i>		<i>93</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.26</i>		<i>"</i>	<i>5.00</i>		<i>105</i>	<i>70-120</i>			

Matrix Spike Dup (6B20011-MSD1)	Source: MPB0660-01RE1			Prepared & Analyzed: 02/20/06						
tert-Amyl methyl ether	90.6	2.5	ug/l	81.6	0.80	110	80-115	4	15	
Benzene	118	2.5	"	25.2	92	103	65-115	0.8	20	
tert-Butyl alcohol	822	100	"	844	ND	97	75-120	6	25	
Di-isopropyl ether	85.2	2.5	"	81.2	3.4	101	75-125	3	15	
1,2-Dibromoethane (EDB)	84.4	2.5	"	83.2	ND	101	85-120	1	15	
1,2-Dichloroethane	80.1	2.5	"	77.6	3.0	99	85-130	0.9	20	
Ethanol	812	1500	"	824	ND	99	70-135	2	35	
Ethyl tert-butyl ether	84.8	2.5	"	82.0	ND	103	75-130	1	25	
Ethylbenzene	208	2.5	"	36.4	170	104	75-135	0.5	15	
Methyl tert-butyl ether	50.2	2.5	"	39.2	10	103	65-125	2	20	
Toluene	221	2.5	"	190	13	109	85-120	4	20	
Xylenes (total)	328	2.5	"	204	120	102	85-125	4	20	
Gasoline Range Organics (C4-C12)	6370	250	"	2200	4600	80	60-140	2	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.92</i>		<i>"</i>	<i>5.00</i>		<i>98</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.86</i>		<i>"</i>	<i>5.00</i>		<i>97</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.64</i>		<i>"</i>	<i>5.00</i>		<i>93</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.36</i>		<i>"</i>	<i>5.00</i>		<i>107</i>	<i>70-120</i>			

Sequoia Analytical - Morgan Hill

*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.*

URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0025  
Project Manager:Lynelle Onishi

MPB0480  
Reported:  
02/24/06 15:46

#### Notes and Definitions

BB,LN Sample > 4x spike concentration.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference



## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 11132  
 REC. BY (PRINT) E. Fallin  
 WORKORDER: MPB 0480

DATE REC'D AT LAB: 2/7/06  
 TIME REC'D AT LAB: 1805  
 DATE LOGGED IN: 2-11-06

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 / <input checked="" type="checkbox"/> Absent Intact / Broken*									
2. Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent*									
3. Traffic Reports or Packing List: Present / <input checked="" type="checkbox"/> Absent									
4. Airbill: Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent									
5. Airbill #:									
6. Sample Labels: <input checked="" type="checkbox"/> Present / Absent									
7. Sample IDs: <input checked="" type="checkbox"/> Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: <input checked="" type="checkbox"/> Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / No*									
10. Sample received within hold time? <input checked="" type="checkbox"/> Yes / No*									
11. Adequate sample volume received? <input checked="" type="checkbox"/> Yes / No*									
12. Proper preservatives used? <input checked="" type="checkbox"/> Yes / No*									
13. <input checked="" type="checkbox"/> Trip Blank / <input checked="" type="checkbox"/> Temp Blank Received? (circle which, if yes) <input checked="" type="checkbox"/> Yes / No*									
14. Read Temp: <u>4.6 °C</u> Corrected Temp: <u>4.6 °C</u> Is corrected temp 4 +/-2°C? <input checked="" type="checkbox"/> Yes / No**									
(Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON <input checked="" type="checkbox"/> ICE or Problem COC									

ESF 2/7/06 S&P COC

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

**ATTACHMENT C**

**ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL  
CONFIRMATIONS**

## Electronic Submittal Information

[Main Menu](#) | 
 [View/Add Facilities](#) | 
 [Upload EDF](#) | 
 [Check EDF](#)

### SUCCESSFUL EDF CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	3/13/2006 1:12:53 PM
<u>GLOBAL ID:</u>	T0600100213
<u>FILE UPLOADED:</u>	BP#11132-EDF-MPB0480.zip

No errors were found in your EDF upload file.

**If you want to submit this file to the SWRCB, choose the "Upload EDF" option in the above menu and follow the instructions.**

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click [here](#) to view the detections report for this upload.

<b>BP</b> 3201 35TH ST OAKLAND, CA 94619	<u>Regional Board - Case #: 01-0227</u> SAN FRANCISCO BAY RWQCB (REGION 2) <u>Local Agency (lead agency) - Case #: 3878</u> ALAMEDA COUNTY LOP - (RWS)
--	---

#### SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	8
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	6
SAMPLE MATRIX TYPES	WATER

#### METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

#### QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

#### WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y



**SOIL SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

**FIELD QC SAMPLES**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

## Electronic Submittal Information

[Main Menu](#) | 
 [View/Add Facilities](#) | 
 [Upload EDD](#) | 
 [Check EDD](#)

Your EDF file has been successfully uploaded!

**Confirmation Number:** 5504407405  
**Date/Time of Submittal:** 3/13/2006 1:13:46 PM  
**Facility Global ID:** T0600100213  
**Facility Name:** BP  
**Submittal Title:** 1Q 2006 BP/ARCO 11132 EDF  
**Submittal Type:** GW Monitoring Report

Click [here](#) to view the detections report for this upload.

<b>BP</b> 3201 35TH ST OAKLAND, CA 94619	<b>Regional Board - Case #: 01-0227</b> SAN FRANCISCO BAY RWQCB (REGION 2) <b>Local Agency (lead agency) - Case #: 3878</b> ALAMEDA COUNTY LOP - (RWS)
--	---

<b>CONF #</b>	<b>TITLE</b>	<b>QUARTER</b>
5504407405	1Q 2006 BP/ARCO 11132 EDF	Q1 2006
<b>SUBMITTED BY</b>	<b>SUBMIT DATE</b>	<b>STATUS</b>
Srijesh Thapa	3/13/2006	PENDING REVIEW

**SAMPLE DETECTIONS REPORT**

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	8
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	6
SAMPLE MATRIX TYPES	WATER

**METHOD QA/QC REPORT**

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

**QA/QC FOR 8021/8260 SERIES SAMPLES**

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

**WATER SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

**SOIL SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

**FIELD QC SAMPLES**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

## Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

### SUCCESSFUL GEO\_WELL CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	3/13/2006 1:10:19 PM

**Processing is complete. No errors were found!  
You may now proceed to the [upload page](#).**

**[Back to Main Menu](#)**

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

## Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

### UPLOADING A GEO\_WELL FILE

**Processing is complete. No errors were found!  
Your file has been successfully submitted!**

**Submittal Title:** 1Q 2006 BP/ARCO 11132  
GEOWELL

**Submittal Date/Time:** 3/13/2006 1:10:57 PM

**Confirmation  
Number:** 2548902750

[Back to Main Menu](#)


Logged in as URSCORP-OAKLAND  
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

ID	Well	Status	Date	geo_weight.txt	Value 1	Value 2	Unit
T0600100213 Y✓	MW-10	ACT ✓	2/7/2006		12.28 ✓	34.25 ✓	UNK
T0600100213 N	MW-2	ACT	2/7/2006		13.31 ✓	31.68 ✓	UNK
T0600100213 N	MW-3	ACT	2/7/2006		11.64 ✓	34.4 ✓	UNK
T0600100213 N	MW-4	ACT	2/7/2006		16.74 ✓	39.91 ✓	UNK
T0600100213 N	MW-5	ACT	2/7/2006		10.27 ✓	31.54 ✓	UNK
T0600100213 N	MW-6	ACT	2/7/2006		9.93 ✓	34.45 ✓	
T0600100213 N	MW-7	ACT	2/7/2006		14.26 ✓	34.78 ✓	
<del>T0600100213 N</del>	<del>MW-7</del>	<del>ACT</del>	<del>2/7/2006</del>		<del>14.26 ✓</del>	<del>34.78</del>	
T0600100213 N	MW-8	ACT	2/7/2006		10.73 ✓	38.8 ✓	UNK
T0600100213 Y✓	MW-9	ACT	2/7/2006		10.95 ✓	27.73 ✓	UNK
T0600100213 Y✓	RW-1	ACT	2/7/2006	12.86	12.87		UNK
T0600100213 Y✓	MW-1	ACT	2/7/2006	15.18 ✓	15.19 ✓		UNK

Duplicate Entry  
Removed

all else OK

uploaded  
3-13-06  


			geo_well				
T0600100213	MW-10	ACT	2/7/2006		12.28	34.25	UNK
Y							
T0600100213	MW-2	ACT	2/7/2006		13.31	31.68	UNK
N							
T0600100213	MW-3	ACT	2/7/2006		11.64	34.4	UNK
N							
T0600100213	MW-4	ACT	2/7/2006		16.74	39.91	UNK
N							
T0600100213	MW-5	ACT	2/7/2006		10.27	31.54	UNK
N							
T0600100213	MW-6	ACT	2/7/2006		9.93	34.45	
N							
T0600100213	MW-7	ACT	2/7/2006		14.26	34.78	
N							
T0600100213	MW-8	ACT	2/7/2006		10.73	38.8	UNK
N							
T0600100213	MW-9	ACT	2/7/2006		10.95	27.73	UNK
Y							
T0600100213	RW-1	ACT	2/7/2006	12.86	12.87		UNK
Y							
T0600100213	MW-1	ACT	2/7/2006	15.18	15.19		UNK
Y							