



Atlantic Richfield Company  
(a BP affiliated company)

6 Centerpointe Drive, Room 172  
La Palma, CA 90623-1066  
Phone: (714) 670-5303  
Fax: (714) 670-5195

October 21, 2005

Re: **Third Quarter 2005 Groundwater Monitoring  
Former BP Service Station #11132  
3201 35th Avenue  
Oakland, California  
ACEH Case No. 3878**



RD 14

Alameda County  
OCT 25 2005  
Environmental Health

"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:

Kyle Christie  
Environmental Business Manager



October 21, 2005

Ms. Donna Drogos  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Alameda County  
OCT 25 2005  
Environmental Health

**Re: Third Quarter 2005 Groundwater Monitoring Report  
Former BP Service Station #11132  
3201 35<sup>th</sup> Avenue  
Oakland, California  
ACEH Case No. 3878**

Dear Ms. Drogos:

On behalf of the Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Third Quarter 2005 Groundwater Monitoring Report* for the Former BP Service Station #11132, located at 3201 35th Avenue, Oakland, California.

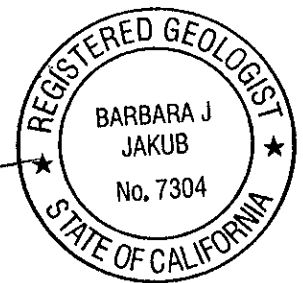
If you have any questions regarding this submission, please call me at (510) 874-1758.

Sincerely,

**URS CORPORATION**

Lynelle Onishi  
Project Manager

Barbara Jakub, P.G.  
Senior Geologist



Enclosure: Third Quarter 2005 Groundwater Monitoring Report

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), copy uploaded to ENFOS  
Ms. Shelby Lathrop, ConocoPhillips, copy uploaded to URS ftp server

**R E P O R T**

**THIRD QUARTER 2005  
GROUNDWATER MONITORING  
REPORT**

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

*Prepared for*  
RM

October 21, 2005

**URS**

URS Corporation  
1333 Broadway, Suite 800  
Oakland, California 94612

Date: October 21, 2005  
Quarter: 3Q 05

### THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT

Facility No.: 11132 Address: 3201 35<sup>th</sup> Avenue Oakland, CA  
RM Environmental Business Manager: Kyle Christie  
Consulting Co./Contact Person: URS Corporation / Lynelle Onishi  
Primary Agency Alameda County Environmental Health (ACEH)  
ACEH Case#: 3878

#### WORK PERFORMED THIS QUARTER (Third – 2005):

1. Performed the third quarter 2005 groundwater monitoring event on August 17, 2005.
2. Performed monthly free product gauging and bailing as an interim remedial action measure.
3. Prepared and submitted this Third Quarter 2005 Groundwater Monitoring Report.

#### WORK PROPOSED FOR NEXT QUARTER (Fourth – 2005):

1. Prepare and submit the Third Quarter 2005 Groundwater Monitoring Report.
2. Perform the fourth quarter 2005 groundwater monitoring event.
3. Perform monthly free product gauging and bailing as an interim remedial action measure.
4. Prepare and submit the Fourth Quarter 2005 Groundwater Monitoring Report.

Current Phase of Project:	<u>GW monitoring/sampling/Free Product Bailing</u>
Frequency of Groundwater Sampling:	<u>Quarterly: Wells MW-1, MW-2, MW-5, MW-8, MW-9, MW-10, &amp; RW-1; 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 Free Product (FP) Present On-Site:	<u>Free Product detected in MW-1 and RW-1 on July 7, August 17, and September 6, 2005</u>
FP Recovered this Quarter (as of 9/6/2005):	<u>0.23 Gallons</u>
Cumulative FP Recovered Since 1990:	<u>51.99 Gallons</u>
Current Remediation Techniques:	<u>Interim Free Product Bailing</u>
Approximate Depth to Groundwater :	<u>16.85 (MW-6) to 21.31 (MW-4) feet</u>
Groundwater Gradient (direction):	<u>Southeast</u>
Groundwater Gradient (magnitude):	<u>0.01 feet per foot</u>

#### DISCUSSION:

Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in all five wells sampled this quarter at concentrations ranging from 7,000 micrograms per liter ( $\mu\text{g/L}$ ) (MW-5) to 110,000  $\mu\text{g/L}$  (MW-2). Benzene was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 160  $\mu\text{g/L}$  (MW-9) to 13,000  $\mu\text{g/L}$  (MW-2). Toluene was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 17  $\mu\text{g/L}$  (MW-5) to 8,000  $\mu\text{g/L}$  (MW-2). Ethylbenzene was detected at or

above the laboratory reporting limit in five wells at concentrations ranging from 110 µg/L (MW-5) to 4,300 µg/L (MW-2). Xylenes were detected at or above the laboratory reporting limit in five wells at concentrations ranging from 130 µg/L (MW-5) to 18,000 µg/L (MW-2). Methyl tertiary-butyl ether (MTBE) was detected at or above the laboratory reporting limit in two wells at concentrations of 51 µg/L (MW-5) to 480 µg/L (MW-2). No other constituents of concern were detected at or above the laboratory reporting limit in any of the five wells sampled this quarter.

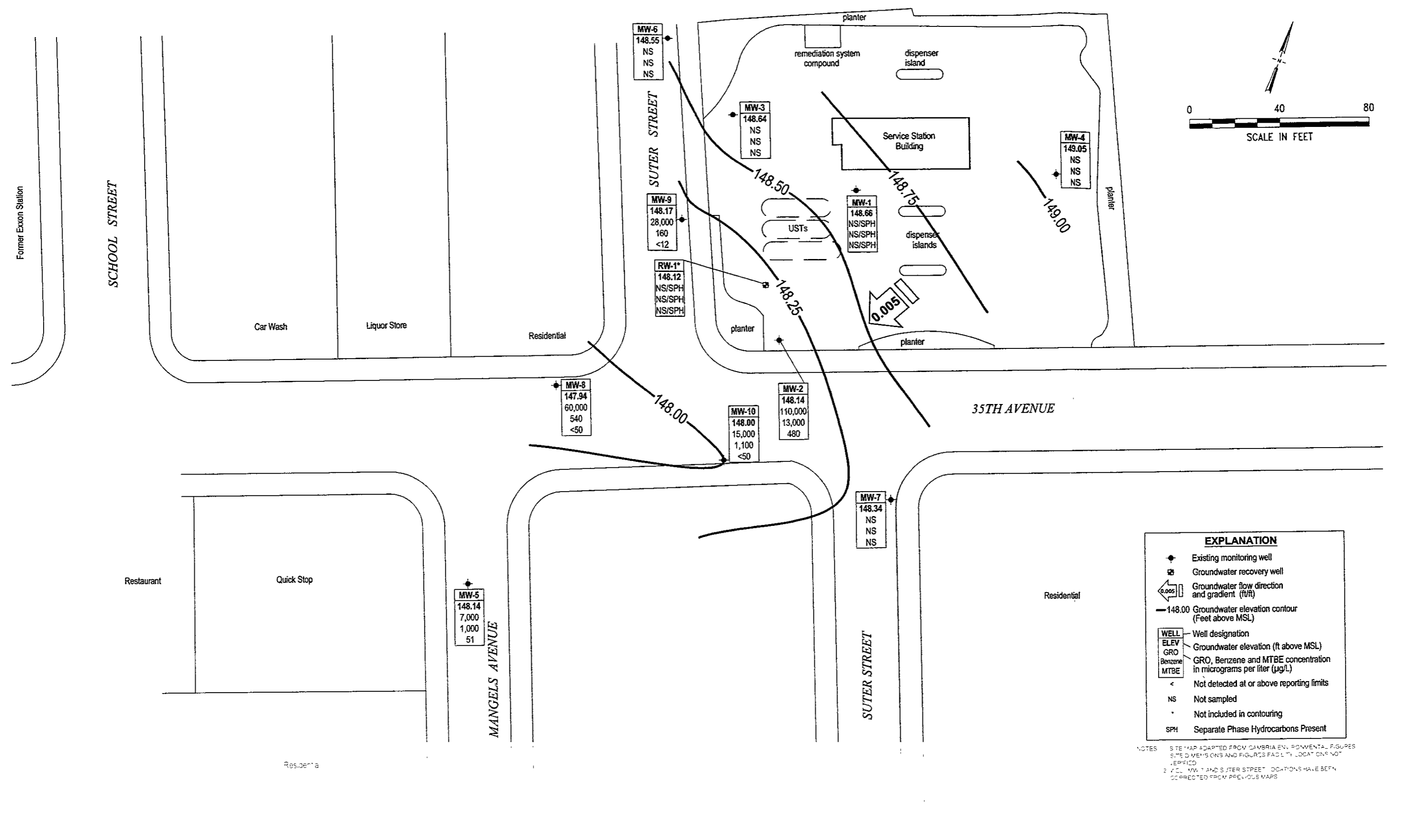
Wells MW-1 and RW-1 could not be sampled due to the presence of free product. Approximately 12 milliliters (ml) (0.003 gallons) of free product was bailed from well MW-1, and approximately 167 ml (0.044 gallons) was bailed from well RW-1 during the July 7 product gauging/removal event. Approximately 48 ml (0.01 gallons) of free product was bailed from well MW-1, and approximately 167 ml (0.044 gallons) of free product was bailed from well RW-1 during the August 17 monitoring event. Approximately 110 milliliters (ml) (0.03 gallons) of free product was bailed from well MW-1, and approximately 350 ml (0.09 gallons) was bailed from well RW-1 during the September 6 product gauging/removal event.

As stated within the First Quarter 2005 Groundwater Monitoring Report, wells MW-6 and MW-7 were to be added to the annual sampling schedule for the Site since the wells have not been sampled since 1998. During the first quarter 2005 monitoring event, these wells were inadvertently not sampled and were subsequently scheduled to be sampled second quarter 2005. Well MW-6 was sampled in second quarter 2005; however, a car was parked over well MW-7 during this monitoring event and subsequently could not be sampled. Sampling of well MW-7 was attempted during the third quarter 2005 monitoring event; however, well MW-7 was partially obstructed by a car parked over the well, and was only able to be gauged.

#### **ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – August 17, 2005
- 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

I:\Projects\2005\3D\Drawings\11132-3Q05-GW.dwg  
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EXPLANATION	
	Existing monitoring well
	Groundwater recovery well
	Groundwater flow direction and gradient (ft/ft)
	148.00 Groundwater elevation contour (Feet above MSL)
<b>WELL</b>	Well designation
<b>ELEV</b>	Groundwater elevation (ft above MSL)
<b>GRO</b>	GRO, Benzene and MTBE concentration in micrograms per liter (µg/L)
<b>Benzene</b>	
<b>MTBE</b>	
<	Not detected at or above reporting limits
NS	Not sampled
*	Not included in contouring
SPH	Separate Phase Hydrocarbons Present

NOTES: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES  
 SITE MONITORING AND FIGURES FACTORY LOCATIONS NOT  
 VERIFIED  
 2005-08-17 10:05:31 AM SUTER STREET LOCATIONS HAVE BEEN  
 CORRECTED FROM PREVIOUS MAPS

<b>URS</b>	Project No. 38487258	<b>GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP</b>	FIG. NO. <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
	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

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	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	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	



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	03/07/2005	--	169.75	13.31	0.01	156.45	--	--	--	--	--	--	--	--	--	
	05/16/2005	--	169.75	15.74	0.02	154.03	--	--	--	--	--	--	--	--	--	j
	08/17/2005	--	169.75	21.15	0.08	148.66	--	--	--	--	--	--	--	--	--	j
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	--	--	--	--	--	--	--	--	--	
	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	--	--	

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	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	
	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	
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	--	--	--	--	

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	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
	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	--	--	--	--	--	--	--	--	--	

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	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
	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	--	--	--	--	--	--	--	--	--	
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

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	10/21/1993	--	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
	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	--	--	--	--	--	--	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	
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
	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	

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	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		
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	<0.5	--	--	--		
	10/5/1992	--	165.4	19.46	--	145.94	<50	<0.5	<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	<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	<0.50	<1.0	9.9	--	--	--	
	4/19/1996	--	165.4	13.90	--	151.50	--	--	--	--	--	--	--	--	--	--	
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	<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	<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	<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	<1.0	<10	3.7	--	--		



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	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	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	
	4/11/1991	--	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	--	--	--	--	

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	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	--	--	
	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	--	--	--	--	--	--	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	--	
	02/15/2005	--	168.08	16.37	--	151.71	--	--	--	--	--	--	--	--	--	--	
05/16/2005	--	168.08	--	--	--	--	--	--	--	--	--	--	--	--	--	e	
08/17/2005	--	168.08	19.74	--	148.34	--	--	--	--	--	--	--	--	--	--		
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		--		--	--	--	--	--	--	--	--	--	--		

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	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	--	--	
	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	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	
	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	
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	--	--	--	--	--	--	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	
	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	
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	--	--	--	--	--	--	--	--	--	
	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	--	--	

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	11/5/1997	--	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
	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	



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	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	
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	--	--	--	--	f
	1/26/1995	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	f
	6/8/1995	--	168.01	--	--	--	<50	<0.50	<0.50	<0.50	<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		--	--	--	--	--	--	--	--	--	
	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	

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	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	--	--	
	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	--	--	--	

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	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	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	

## 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 laboratory reporting limit  
DO = Dissolved oxygen  
DTW = Depth to water in feet below ground surface  
ft bgs = feet below ground surface  
ft MSL = feet above mean sea level  
GRO = Gasoline Range Organics, range C4-C12  
GWE = Groundwater elevation measured in feet above mean sea level  
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 feet above mean sea level  
TPH-g = Total petroleum hydrocarbons as gasoline  
ug/L = Micrograms per liter  
SEQ/SEQM= Sequoia Analytical/Sequoia Morgan Hill Laboratories

#### FOOTNOTES:

a = Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.  
b = Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.  
c = Blind duplicate.  
d = A copy of the documentation for this data is included in Appendix C of 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 Peak @ 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 free product bailing event.  
p = Well not included in the monthly free product 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 top of casing elevation raised +0.47 ft during well repair, January 20, 2004  
t = Sheen in well

#### NOTES:

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPHg was changed to GRO. The resulting data may be impacted by the potential of non-TPHg 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		
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	
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	
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	
	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		

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	08/17/2005	<1,000	<200	51	<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	
MW-7	1/29/2003	--	--	--	--	--	--	--	--	
	5/22/2003	--	--	--	--	--	--	--	--	
	7/28/2003	--	--	--	--	--	--	--	--	
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	
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
	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	
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

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-10	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	
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 the 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

ug/L = Micrograms per Liter

#### FOOTNOTES:

a = (TBA) The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria

b = (Ethanol) The continuing calibration verification 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 (Ethanol, TBA, MTBE, DIPE, ETBE, and TAME) 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	07/09/1990	0.22	2.00	2.00
MW-1	12/21/1990	0.58	2.00	4.00
MW-1	03/07/1991	0.00	---	4.00
MW-1	06/27/1991	0.18	2.00	6.00
MW-1	09/27/1991	0.27	2.00	8.00
MW-1	12/18/1991	0.28	2.00	10.00
MW-1	04/01/1991	0.15	2.00	12.00
MW-1	07/03/1992	0.27	2.00	14.00
MW-1	10/05/1992	0.24	2.00	16.00
MW-1	01/13/1993	0.24	2.00	18.00
MW-1	04/23/1993	0.42	2.00	20.00
MW-1	07/12/1993	0.49	---	20.00
MW-1	10/21/1993	1.09	2.00	22.00
MW-1	01/21/1994	0.76	---	22.00
MW-1	04/20/1994	1.80	2.00	24.00
MW-1	08/01/1994	0.35	---	24.00
MW-1	01/26/1995	1.10	3.00	27.00
MW-1	6/8/95-6/28/95	1.25	0.70	27.70
MW-1	08/22/1995	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	04/19/1996	1.22	0.75	29.79
MW-1	07/23/1996	0.89	0.00	29.79
MW-1	09/04/1996	---	0.35	30.14
MW-1	11/11/1996	0.89	0.98	31.12
MW-1	01/21/1997	0.90	0.20	31.32
MW-1	04/29/1997	0.85	0.25	31.57
MW-1	08/21/1997	---	0.15	31.72
MW-1	11/2/97-12/9/97	0.87	2.03	33.75
MW-1	02/03/1998	0.32	0.25	34.00
MW-1	02/04/1998	---	---	34.00
MW-1	05/28/1998	0.17	---	34.00
MW-1	12/30/1998	0.08	0.02	34.02
MW-1	02/02/1999	0.03	0.01	34.03
MW-1	05/10/1999	0.03	0.01	34.04
MW-1	08/24/1999	0.06	0.01	34.05
MW-1	11/03/1999	0.36	0.05	34.10
MW-1	03/01/2000	0.23	*	34.10
MW-1	04/21/2000	0.33	0.07	34.17
MW-1	07/31/2000	0.53	0.13	34.30
MW-1	11/20/2000	0.37	0.50	34.80
MW-1	02/18/2001	0.13	0.05	34.85
MW-1	02/26/2001	0.15	0.15	35.00
MW-1	06/07/2001	0.00	---	35.00
MW-1	09/05/2001	0.35	---	35.00
MW-1	11/30/2001	0.41	0.26	35.26

**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	12/06/2001	0.27	0.04	35.30
MW-1	02/20/2002	0.15	0.02	35.32
MW-1	06/20/2002	0.34	0.07	35.39
MW-1	09/11/2002	0.40	0.06	35.45
MW-1	11/12/2002	0.37	0.06	35.51
MW-1	01/29/2003	0.30	0.32	35.83
MW-1	05/22/2003	0.20	0.14	35.97
MW-1	06/24/2003	0.35	0.07	36.04
MW-1	07/28/2003	0.35	0.08	36.05
MW-1	08/12/2003	0.23	0.04	36.09
MW-1	09/12/2003	0.24	0.04	36.13
MW-1	10/03/2003	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	02/02/2004	0.15	0.02	36.25
MW-1	02/23/2004	0.09	0.03	36.28
MW-1	03/18/2004	0.09	0.01	36.29
MW-1	04/13/2004	0.24	0.04	36.33
MW-1	05/04/2004	0.16	0.03	36.36
MW-1	06/02/2004	0.08	0.01	36.37
MW-1	07/02/2004	0.28	0.04	36.41
MW-1	08/04/2004	0.10	0.08	36.49
MW-1	09/22/2004	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	01/13/2005	0.03	0.01	36.58
MW-1	02/15/2005	0.04	0.01	36.58
MW-1	03/07/2005	0.01	0.01	36.59
MW-1	04/29/2005	0.01	0.002	36.59
MW-1	05/16/2005	0.02	0.003	36.59
MW-1	06/21/2005	0.01	0.002	36.59
MW-1	07/07/2005	0.18	0.029	36.62
MW-1	08/17/2005	0.08	0.013	36.64
MW-1	09/06/2005	0.02	0.003	36.64
MW-8	11/02/93-12/09/98	0.12	1.62	1.62
MW-8	09/05/2001	0.04	---	1.66
MW-8	08/12/2003	<0.01 (SHEEN)	---	1.66
MW-8	10/03/2003	<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	02/02/2004	<0.01 (SHEEN)	---	1.66
MW-8	02/23/2004	<0.01 (SHEEN)	---	1.66
MW-8	03/18/2004	<0.01 (SHEEN)	---	1.66
MW-8	04/13/2004	<0.01 (SHEEN)	---	1.66
MW-8	05/04/2004	<0.01 (SHEEN)	---	1.66
MW-8	06/02/2004	<0.01 (SHEEN)	---	1.66
MW-8	07/02/2004	--	--	1.66
MW-8	08/04/2004	0.05	0.11	1.77
MW-8	09/22/2004	--	--	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	01/13/2005	--	--	1.77

**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	02/15/2005	--	--	1.77
MW-8	03/07/2005	--	--	1.77
MW-8	04/29/2005	--	--	1.77
MW-8	05/16/2005	--	--	1.77
MW-8	06/21/2005	--	--	1.77
MW-8	07/07/2005	--	--	1.77
MW-8	08/17/2005	--	--	1.77
MW-8	09/06/2005	--	--	1.77
MW-9	11/2/93-4/29/97	0.10	<0.1	0.88
MW-9	11/05/1997	0.01	<0.1	0.88
MW-9	01/29/2003	0.10	0.19	1.07
MW-9	06/24/2003	NM	NM	1.07
MW-9	07/28/2003	<0.01 (SHEEN)	--	1.07
MW-9	08/12/2003	<0.01 (SHEEN)	--	1.07
MW-9	09/12/2003	<0.01 (SHEEN)	--	1.07
MW-9	10/03/2003	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	02/02/2004	<0.01 (SHEEN)	--	1.07
MW-9	02/23/2004	<0.01 (SHEEN)	--	1.07
MW-9	03/18/2004	<0.01 (SHEEN)	--	1.07
MW-9	04/13/2004	<0.01 (SHEEN)	--	1.07
MW-9	05/04/2004	<0.01 (SHEEN)	--	1.07
MW-9	06/02/2004	<0.01 (SHEEN)	--	1.07
MW-9	07/02/2004			1.07
MW-9	08/04/2004	0.03	0.05	1.12
MW-9	09/22/2004	--	--	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	01/13/2005	--	--	1.12
MW-9	02/15/2005	--	--	1.12
MW-9	03/07/2005	--	--	1.12
MW-9	04/29/2005	--	--	1.12
MW-9	05/16/2005	--	--	1.12
MW-9	06/21/2005	--	--	1.12
MW-9	07/07/2005	--	--	1.12
MW-9	08/17/2005	--	--	1.12
MW-9	09/06/2005	--	--	1.12
MW-10	9/7/93-7/23/96	---	10.52	10.52
MW-10	09/04/1996	0.76	0.10	10.62
MW-10	11/11/1996	---	0.20	10.82
MW-10	01/21/1997	---	<0.03	10.85
MW-10	04/29/1997	---	0.04	10.89
MW-10	04/29/1997	---	0.04	10.93
MW-10	12/02/1997	0.03	<0.1	10.93
MW-10	02/03/1998	---	<0.1	10.93
MW-10	09/05/2001	0.01	---	10.93
MW-10	11/12/2002	0.07	0.01	10.94
MW-10	01/29/2003	0.03	0.03	10.97
MW-10	06/24/2003	0.04	0.01	10.98
MW-10	07/28/2003	0.04	0.02	11.00
MW-10	08/12/2003	<0.01 (SHEEN)	--	11.00

**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-10	10/03/2003	<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	02/02/2004	<0.01 (SHEEN)	--	11.00
MW-10	02/23/2004	<0.01 (SHEEN)	--	11.00
MW-10	03/18/2004	<0.01 (SHEEN)	--	11.00
MW-10	04/13/2004	<0.01 (SHEEN)	--	11.00
MW-10	05/04/2004	<0.01 (SHEEN)	--	11.00
MW-10	06/02/2004	<0.01 (SHEEN)	--	11.00
MW-10	07/02/2004	<0.01 (SHEEN)	--	11.00
MW-10	08/04/2004	0.08	0.11	11.11
MW-10	09/22/2004	--	--	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	01/13/2005	<0.01 (SHEEN)	--	11.11
MW-10	02/15/2005	--	--	11.11
MW-10	03/07/2005	--	--	11.11
MW-10	04/29/2005	--	--	11.11
MW-10	05/16/2005	--	--	11.11
MW-10	06/21/2005	--	--	11.11
MW-10	07/07/2005	--	--	11.11
MW-10	08/17/2005	--	--	11.11
MW-10	09/06/2005	--	--	11.11
RW-1	09/05/2001	0.02	---	0.00
RW-1	06/20/2002	**	---	0.00
RW-1	09/11/2002	0.03	0.04	0.04
RW-1	11/12/2002	0.02	0.03	0.07
RW-1	01/29/2003	0.04	0.07	0.14
RW-1	06/24/2003	0.07	0.04	0.18
RW-1	07/28/2003	0.04	0.02	0.20
RW-1	08/12/2003	<0.01 (SHEEN)	--	0.20
RW-1	09/12/2003	0.07	0.10	0.30
RW-1	10/03/2003	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	02/23/2004	0.01	0.01	0.35
RW-1	03/18/2004	0.09	0.12	0.47
RW-1	04/13/2004	0.02	0.03	0.50
RW-1	05/04/2004	0.02	0.03	0.53
RW-1	06/02/2004	0.05	0.02	0.55
RW-1	07/02/2004	0.11	0.16	0.71
RW-1	08/04/2004	0.05	0.16	0.87
RW-1	09/22/2004	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	01/13/2005	0.01	0.00	1.01
RW-1	02/15/2005	0.03	0.04	1.05
RW-1	03/07/2005	0.02	0.03	1.08
RW-1	04/29/2005	0.03	0.04	1.12
RW-1	05/16/2005	0.02	0.03	1.15
RW-1	06/21/2005	0.03	0.01	1.17
RW-1	07/07/2005	0.06	0.09	1.26

**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	08/17/2005	0.03	0.04	1.30
RW-1	09/06/2005	0.03	0.04	1.35

Free Product Removed this Quarter = 0.23

Total Free Product = 51.99

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

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### 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™ 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 # 050906-BAS Date 9/6/05 Client #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
RW-1	6		20.06	.06	350	20.12	—	TOC
MW-1	2		21.56	.18	110	21.74	—	
MW-8	2	sheen odor				18.36	—	
MW-9	2	sheen odor				18.56	—	
MW-10	2	sheen odor				19.50	—	



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050906-BA3	Station # 11132
Sampler: Brian Alcom	Date: 9/6/05
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth: —	Depth to Water: 21.74
Depth to Free Product: 21.56	Thickness of Free Product (feet): .18
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: <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.

1 Case Volume (Gals.)	x	BAIL SAM Specified Volumes	=	Gals. Calculated Volume
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Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					SPH Detected - Odor detected, Thick Black product on probe
					Bailed 110 ml product

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 #: 050906-BAS	Station # 11132
Sampler: Brian Alcon	Date: 9/6/05
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: —	Depth to Water: 18.36
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: <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.

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

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
					No Measurable SPH - Odor Detected, Oil globules on probe

Did well dewater? Yes <input checked="" 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 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 #: 050906-BA3	Station #: 11132
Sampler: Brian Alcorn	Date: 9/6/05
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: —	Depth to Water: 18.56
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: 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.

_____	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>No SPH Detected - Very strong odor, probe clean</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 #: 050906-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 9/6/05
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8
Total Well Depth: —	Depth to Water: 19.50
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: <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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					No Measurable SPH Detected - odor detected, Oil globules on probe.

Did well dewater? Yes <input checked="" 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 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 #: 050906-BA3	Station # 11132
Sampler: Brian Alcom	Date: 9/6/05
Well I.D.: RW-1	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: —	Depth to Water: 20.12
Depth to Free Product: 20.00	Thickness of Free Product (feet): .06
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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					<u>SPH Detected - Odor detected, Thick black product on probe</u>
					<u>Bailed 350 ml of product</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 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 # 050817-0W-4 Date 8-17-05 Client Arco 11132

Site 3201 35<sup>th</sup> 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 <u>TOC</u>	
mw-1	2		21.05	.08	48	21.5	-		
mw-2	2					20.00	31.55		
mw-3	2					18.53	34.40		GO
mw-4	2					21.31	40.85		GO
mw-5	2					17.00	32.10		
mw-6	2					16.85	34.45		GO
mw-7	2					19.74	34.80		GO
mw-8	2					17.80	38.84		
mw-9	2					18.03	27.55		
mw-10	2					19.01	34.13		
RW-1	6		19.88	.03	167	19.91	-	✓	
Removed all caps 15 min. prior to gauging									

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050817-0W-4	Station # 11132
Sampler: DW	Date: 8-17-05
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8
Total Well Depth: —	Depth to Water: 21.15
Depth to Free Product: 21.07	Thickness of Free Product (feet): .08
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:  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.

1 Case Volume (Gals.)	X	3 Bails / SPH	=	Gals.
		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Bailed ≈ 48 m / SPH

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

Sampling Time: \_\_\_\_\_ Sampling Date: 8-17-05

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

Analyzed for:  GRO  BTBE  MTBE  DFO  Oxy's  1,2-DCB  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>050817-0W-4</u>	Station # <u>11132</u>
Sampler: <u>DW</u>	Date: <u>8-17-05</u>
Well I.D.: <u>mw-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>31.55</u>	Depth to Water: <u>20.00</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      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.

<u>1.8</u>	x	<u>3</u>	=	<u>5.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1340	73.3	6.5	1663	1.8	odor
1342	71.0	6.6	1691	3.6	"
1344	70.4	6.6	1733	5.4	"

Did well dewater? Yes  No  Gallons actually evacuated: 5.4

Sampling Time: 1344      Sampling Date: 8-17-05

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

Analyzed for:  GRU  BTEX  MTBE  DRO  Ony's  1,2-DC  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>050817-0W-4</u>	Station # <u>11132</u>
Sampler: <u>DW</u>	Date: <u>8-17-05</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>32.10</u>	Depth to Water: <u>17.00</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      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.

<u>2.4</u>	X	<u>3</u>	=	<u>7.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u> )	Gals. Removed	Observations
1236	69.3	6.4	1667	2.4	cloudy / odor / grey
1239	69.3	6.6	1686	4.8	" " "
1242	69.0	6.6	1690	7.2	" " "

Did well dewater? Yes   (No)      Gallons actually evacuated: 7.2

Sampling Time: 1247      Sampling Date: 8-17-05

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

Analyzed for:  GRC  BTEX MTBE DRO  Oxy's  1,2-DC  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 #: 050817-0W-4	Station # 11132
Sampler: DW	Date: 8-17-05
Well I.D.: MW-8	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 38.84	Depth to Water: 17.80
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>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
1257	67.4	6.7	1397	3.4	gray/odor
1301	67.3	6.7	1343	6.8	" "
1305	67.1	6.7	1313	10.2	clearing/odor

Did well dewater? Yes   No      Gallons actually evacuated: 10.2

Sampling Time: 1310      Sampling Date: 8-17-05

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

Analyzed for:  GRC  BTEX MTBE DRO  Oxy's  1,2-DC  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 #: <u>050817-0W-4</u>	Station # <u>11132</u>
Sampler: <u>DW</u>	Date: <u>8-17-05</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>27.55</u>	Depth to Water: <u>18.03</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  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.

<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1400	70.2	6.8	1109	1.5	odor
1402	69.8	6.8	1106	3.0	"
1404	69.6	6.8	1098	4.5	"

Did well dewater? Yes  No  Gallons actually evacuated: 4.5

Sampling Time: 1409 Sampling Date: 8-17-05

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

Analyzed for:  GRO  BTX  MTBE  DRO  Oxy's  A2-DC  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>050817-0W-4</u>	Station # <u>11132</u>
Sampler: <u>DW</u>	Date: <u>8-17-05</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>②</u> 3 4 6 8 _____
Total Well Depth: <u>34.13</u>	Depth to Water: <u>19.01</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</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>2.4</u>	X	<u>3</u>	=	<u>7.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u> )	Gals. Removed	Observations
1320	66.1	6.7	1238	2.4	gray / odor
1323	66.0	6.7	1220	4.8	clearer / odor
1326	66.1	6.7	1207	7.2	" "

Did well dewater? Yes   No      Gallons actually evacuated: 7.2

Sampling Time: 1330      Sampling Date: 8-17-05

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

Analyzed for:  GRO  STEB MTBE DRO  Ony's  1,2-DC  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>050817-0W-4</u>	Station # <u>11132</u>
Sampler: <u>DW</u>	Date: <u>8-17-05</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>19.91</u>
Depth to Free Product: <u>19.88</u>	Thickness of Free Product (feet): <u>1.03</u>
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.

_____ X	<u>3 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 ≈ 167 ml SPH from well</u>

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

Sampling Time: \_\_\_\_\_ Sampling Date: 8-17-05

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

Analyzed for: GRU BTEX MTBE DRO Oxy's 1,2-DC EDE 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

**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 BLAINE 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:

11132		
Station #		
3001 35th Ave Oakland		
Station Address		
Total Gallons Collected From Groundwater Monitoring Wells:		
35		
added equip. rinse water	2	any other adjustments
<b>TOTAL GALS. RECOVERED</b>	37	loaded onto BTS vehicle #
BTS event #		time          date
050817-0w-4		1500      8/17/05
signature <u>David C Welt</u>		
*****		
REC'D AT	time	date
_____ / ____ / ____		
unloaded by signature _____		

WELL GAUGING DATA

Project # 050707-PA3 Date 7/7/05 Client BP 11132

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	SPH	18.91	0.02	12	18.93	-	TOC
MW-8	2	-	-	-	-	15.50	-	↓
MW-9	2	-	-	-	-	14.95	-	
MW-10	2	-	-	-	-	16.30	-	
RW-1	6	SPH	17.40	0.03	<del>18</del> <sup>167</sup>	17.43	-	

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050707-0A3	Station # BP1132
Sampler: OA	Date: 7/7/05
Well I.D.: MW-1	Well Diameter: $\emptyset$ 3 4 6 8
Total Well Depth: -	Depth to Water: 18.93
Depth to Free Product: 18.91	Thickness of Free Product (feet): 0.02
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:  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 Bai) SPH	=	_____ Gals.
1 Case Volume (Gals.)	Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
			Bailed 12 ml SPH		

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 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 #: 1050707-003	Station # BP 11132
Sampler: DA	Date: 7/7/05
Well I.D.: MW-8	Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8
Total Well Depth: -	Depth to Water: 15.50
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: <del>                     Bailer                      Disposable Bailer                      Positive Air Displacement                      Electric Submersible                      Extraction Pump                      Other: _____                 </del>	Sampling Method: <del>                     Bailer                      Disposable Bailer                      Extraction Port                      Other: _____                 </del>
--	--

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
			No SPH	detected	

Did well dewater? Yes <input checked="" 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 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>050707-0A3</u>	Station # <u>BP1132</u>
Sampler: <u>DA</u>	Date: <u>7/7/05</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>14.95</u>
Depth to Free Product: <u>-</u>	Thickness of Free Product (feet): <u>-</u>
Referenced to: <u>PVT</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: <del>                     Bailer                      Disposable Bailer                      Positive Air Displacement                      Electric Submersible                      Extraction Pump                      Other: _____                 </del>	Sampling Method: <del>                     Bailer                      Disposable Bailer                      Extraction Port                      Other: _____                 </del>
--	--

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
			No SPH detected		

Did well dewater? <del>Yes</del> No	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Pace Sequoia Other _____
Analyzed for: GRO BTEX MTBE DRO 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 #: 050707-DA3	Station # BP 1132
Sampler: DA	Date: 7/7/05
Well I.D.: MW-10	Well Diameter: ② 3 4 6 8
Total Well Depth: —	Depth to Water: 16.30
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	Bail SPH	=	_____	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 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 #: 050707- <del>HA</del> 3	Station # BP 11132
Sampler: DA	Date: 7/7/05
Well I.D.: RW-1	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: -	Depth to Water: 17.43
Depth to Free Product: 17.40	Thickness of Free Product (feet): 0.03
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:  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	Bail SPH	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
			Bailed 167 ml SPH		

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 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**

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### **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.



6 September, 2005

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

RE: BP Heritage #11132, Oakland, CA  
Work Order: MOH1014

Enclosed are the results of analyses for samples received by the laboratory on 08/18/05 10:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race For Jamshid Kekobad  
Project Manager

CA ELAP Certificate #1210

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project:BP Heritage #11132, Oakland, CA Project Number:G07TS-0021 Project Manager:Lynelle Onishi	MOH1014 Reported: 09/06/05 18:00
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MOH1014-01	Water	08/17/05 13:49	08/18/05 10:50
MW-5	MOH1014-02	Water	08/17/05 12:47	08/18/05 10:50
MW-8	MOH1014-03	Water	08/17/05 13:10	08/18/05 10:50
MW-9	MOH1014-04	Water	08/17/05 14:09	08/18/05 10:50
MW-10	MOH1014-05	Water	08/17/05 13:30	08/18/05 10:50
TB-11132-081705	MOH1014-06	Water	08/17/05 00:00	08/18/05 10:50

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 intact custody seals.



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

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0021  
Project Manager:Lynelle Onishi

MOH1014  
Reported:  
09/06/05 18:00

**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 (MOH1014-01) Water</b> Sampled: 08/17/05 13:49 Received: 08/18/05 10:50									
tert-Amyl methyl ether	ND	100	ug/l	200	5H25008	08/25/05	08/26/05	EPA 8260B	
<b>Benzene</b>	<b>13000</b>	<b>100</b>	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethanol	ND	20000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4300</b>	<b>100</b>	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>480</b>	<b>100</b>	"	"	"	"	"	"	
<b>Toluene</b>	<b>8000</b>	<b>100</b>	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>18000</b>	<b>100</b>	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>110000</b>	<b>10000</b>	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		79 %	60-135	"	"	"	"	"	
<b>MW-5 (MOH1014-02) Water</b> Sampled: 08/17/05 12:47 Received: 08/18/05 10:50									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5H25008	08/25/05	08/26/05	EPA 8260B	
<b>Benzene</b>	<b>1000</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	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>110</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>51</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Toluene</b>	<b>17</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>130</b>	<b>5.0</b>	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>7000</b>	<b>500</b>	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		79 %	60-135	"	"	"	"	"	

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

 Project:BP Heritage #11132, Oakland, CA  
 Project Number:G07TS-0021  
 Project Manager:Lynelle Onishi

 MOH1014  
 Reported:  
 09/06/05 18:00

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8 (MOH1014-03) Water Sampled: 08/17/05 13:10 Received: 08/18/05 10:50</b>									
tert-Amyl methyl ether	ND	50	ug/l	100	5H26005	08/26/05	08/26/05	EPA 8260B	
<b>Benzene</b>	<b>540</b>	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2500</b>	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<b>Toluene</b>	<b>240</b>	50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>8600</b>	50	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>60000</b>	5000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		78 %		60-135	"	"	"	"	
<b>MW-9 (MOH1014-04) Water Sampled: 08/17/05 14:09 Received: 08/18/05 10:50</b>									
tert-Amyl methyl ether	ND	12	ug/l	25	5H26005	08/26/05	08/26/05	EPA 8260B	
<b>Benzene</b>	<b>160</b>	12	"	"	"	"	"	"	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	12	"	"	"	"	"	"	
Ethanol	ND	2500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1000</b>	12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	12	"	"	"	"	"	"	
<b>Toluene</b>	<b>26</b>	12	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>2700</b>	12	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>28000</b>	1200	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		82 %		60-135	"	"	"	"	

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

Project:BP Heritage #11132, Oakland, CA  
Project Number:G07TS-0021  
Project Manager:Lynelle Onishi

MOH1014  
Reported:  
09/06/05 18:00

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>MW-10 (MOH1014-05) Water    Sampled: 08/17/05 13:30    Received: 08/18/05 10:50</b>										
tert-Amyl methyl ether	ND	50		ug/l	100	5H26005	08/26/05	08/26/05	EPA 8260B	
<b>Benzene</b>	<b>1100</b>	50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000		"	"	"	"	"	"	
Di-isopropyl ether	ND	50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	50		"	"	"	"	"	"	
Ethanol	ND	10000		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50		"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1200</b>	50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50		"	"	"	"	"	"	
<b>Toluene</b>	<b>420</b>	50		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>4100</b>	50		"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>15000</b>	5000		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		82 %		<i>60-135</i>		"	"	"	"	

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 09/06/05 18:00

**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
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**Batch 5H25008 - EPA 5030B P/T / EPA 8260B**
**Blank (5H25008-BLK1)**

Prepared &amp; Analyzed: 08/25/05

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	100	"							
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>	<i>2.04</i>		<i>"</i>	<i>2.50</i>		<i>82</i>	<i>60-135</i>			

**Blank (5H25008-BLK2)**

Prepared &amp; Analyzed: 08/25/05

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	100	"							
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>	<i>2.01</i>		<i>"</i>	<i>2.50</i>		<i>80</i>	<i>60-135</i>			



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Reported:  
09/06/05 18:00

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RBC Limits	RPD	RPD Limit	Notes
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**Batch 5H25008 - EPA 5030B P/T / EPA 8260B**

**Laboratory Control Sample (5H25008-BS1)**

Prepared & Analyzed: 08/25/05

tert-Amyl methyl ether	8.20	0.50	ug/l	7.52		109	80-115			
Benzene	2.77	0.50	"	2.58		107	65-115			
tert-Butyl alcohol	70.1	20	"	71.5		98	75-150			
Di-isopropyl ether	8.23	0.50	"	7.57		109	75-125			
1,2-Dibromoethane (EDB)	8.78	0.50	"	7.42		118	85-120			
1,2-Dichloroethane	8.26	0.50	"	7.36		112	85-130			
Ethanol	70.2	100	"	70.7		99	70-135			
Ethyl tert-butyl ether	8.21	0.50	"	7.51		109	75-130			
Ethylbenzene	4.06	0.50	"	3.77		108	75-135			
Methyl tert-butyl ether	3.85	0.50	"	3.51		110	65-125			
Toluene	19.5	0.50	"	18.6		105	85-120			
Xylenes (total)	22.6	0.50	"	20.7		109	85-125			
Gasoline Range Organics (C4-C12)	261	50	"	220		119	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.10</i>		<i>"</i>	<i>2.50</i>		<i>84</i>	<i>60-135</i>			

**Laboratory Control Sample (5H25008-BS2)**

Prepared & Analyzed: 08/25/05

tert-Amyl methyl ether	8.04	0.50	ug/l	7.52		107	80-115			
Benzene	2.68	0.50	"	2.58		104	65-115			
tert-Butyl alcohol	74.1	20	"	71.5		104	75-150			
Di-isopropyl ether	7.86	0.50	"	7.57		104	75-125			
1,2-Dibromoethane (EDB)	8.55	0.50	"	7.42		115	85-120			
1,2-Dichloroethane	7.84	0.50	"	7.36		107	85-130			
Ethanol	102	100	"	70.7		144	70-135			HL
Ethyl tert-butyl ether	8.02	0.50	"	7.51		107	75-130			
Ethylbenzene	3.83	0.50	"	3.77		102	75-135			
Methyl tert-butyl ether	3.76	0.50	"	3.51		107	65-125			
Toluene	19.0	0.50	"	18.6		102	85-120			
Xylenes (total)	22.6	0.50	"	20.7		109	85-125			
Gasoline Range Organics (C4-C12)	247	50	"	220		112	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.06</i>		<i>"</i>	<i>2.50</i>		<i>82</i>	<i>60-135</i>			

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 09/06/05 18:00

### 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
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**Batch 5H25008 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (5H25008-MS1)	Source: MOH0687-02			Prepared & Analyzed: 08/25/05						
tert-Amyl methyl ether	84.7	5.0	ug/l	75.2	ND	113	80-115			
Benzene	34.7	5.0	"	25.8	16	72	65-115			
tert-Butyl alcohol	761	200	"	715	ND	106	75-120			
Di-isopropyl ether	81.0	5.0	"	75.7	ND	107	75-125			
1,2-Dibromoethane (EDB)	90.1	5.0	"	74.2	ND	121	85-120			LM
1,2-Dichloroethane	82.3	5.0	"	73.6	ND	112	85-130			
Ethanol	1280	1000	"	707	ND	181	70-135			HL
Ethyl tert-butyl ether	84.7	5.0	"	75.1	ND	113	75-130			
Ethylbenzene	198	5.0	"	37.7	170	74	75-135			LN
Methyl tert-butyl ether	65.7	5.0	"	35.1	27	110	65-125			
Toluene	201	5.0	"	186	7.9	104	85-120			
Xylenes (total)	234	5.0	"	207	14	106	85-125			
Gasoline Range Organics (C4-C12)	6380	500	"	2200	4100	104	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.12</i>		<i>"</i>	<i>2.50</i>		<i>85</i>	<i>60-135</i>			

Matrix Spike Dup (5H25008-MSD1)	Source: MOH0687-02			Prepared & Analyzed: 08/25/05						
tert-Amyl methyl ether	85.3	5.0	ug/l	75.2	ND	113	80-115	0.7	15	
Benzene	34.7	5.0	"	25.8	16	72	65-115	0	20	
tert-Butyl alcohol	785	200	"	715	ND	110	75-120	3	25	
Di-isopropyl ether	82.6	5.0	"	75.7	ND	109	75-125	2	15	
1,2-Dibromoethane (EDB)	87.8	5.0	"	74.2	ND	118	85-120	3	15	
1,2-Dichloroethane	83.7	5.0	"	73.6	ND	114	85-130	2	20	
Ethanol	1250	1000	"	707	ND	177	70-135	2	35	HL
Ethyl tert-butyl ether	84.4	5.0	"	75.1	ND	112	75-130	0.4	25	
Ethylbenzene	199	5.0	"	37.7	170	77	75-135	0.5	15	
Methyl tert-butyl ether	65.3	5.0	"	35.1	27	109	65-125	0.6	20	
Toluene	205	5.0	"	186	7.9	106	85-120	2	20	
Xylenes (total)	235	5.0	"	207	14	107	85-125	0.4	20	
Gasoline Range Organics (C4-C12)	6450	500	"	2200	4100	107	70-124	1	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.14</i>		<i>"</i>	<i>2.50</i>		<i>86</i>	<i>60-135</i>			

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**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
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**Batch 5H26005 - EPA 5030B P/T / EPA 8260B**

**Blank (5H26005-BLK1)**

Prepared & Analyzed: 08/26/05

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	100	"							
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>	<i>1.99</i>		<i>"</i>	<i>2.50</i>		<i>80</i>	<i>60-135</i>			

**Blank (5H26005-BLK2)**

Prepared & Analyzed: 08/26/05

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	100	"							
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>	<i>1.96</i>		<i>"</i>	<i>2.50</i>		<i>78</i>	<i>60-135</i>			

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Reported:  
09/06/05 18:00

**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
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**Batch 5H26005 - EPA 5030B P/T / EPA 8260B**

**Laboratory Control Sample (5H26005-BS1)**

Prepared & Analyzed: 08/26/05

tert-Amyl methyl ether	7.82	0.50	ug/l	7.52		104	80-115			
Benzene	2.72	0.50	"	2.58		105	65-115			
tert-Butyl alcohol	71.0	20	"	71.5		99	75-150			
Di-isopropyl ether	7.88	0.50	"	7.57		104	75-125			
1,2-Dibromoethane (EDB)	8.58	0.50	"	7.42		116	85-120			
1,2-Dichloroethane	7.69	0.50	"	7.36		104	85-130			
Ethanol	90.4	100	"	70.7		128	70-135			
Ethyl tert-butyl ether	7.85	0.50	"	7.51		105	75-130			
Ethylbenzene	3.78	0.50	"	3.77		100	75-135			
Methyl tert-butyl ether	3.67	0.50	"	3.51		105	65-125			
Toluene	18.9	0.50	"	18.6		102	85-120			
Xylenes (total)	22.3	0.50	"	20.7		108	85-125			
Gasoline Range Organics (C4-C12)	254	50	"	220		115	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>1.93</i>		<i>"</i>	<i>2.50</i>		<i>77</i>	<i>60-135</i>			

**Laboratory Control Sample (5H26005-BS2)**

Prepared & Analyzed: 08/26/05

tert-Amyl methyl ether	7.78	0.50	ug/l	7.52		103	80-115			
Benzene	2.71	0.50	"	2.58		105	65-115			
tert-Butyl alcohol	78.2	20	"	71.5		109	75-150			
Di-isopropyl ether	8.03	0.50	"	7.57		106	75-125			
1,2-Dibromoethane (EDB)	8.49	0.50	"	7.42		114	85-120			
1,2-Dichloroethane	7.56	0.50	"	7.36		103	85-130			
Ethanol	73.0	100	"	70.7		103	70-135			
Ethyl tert-butyl ether	7.79	0.50	"	7.51		104	75-130			
Ethylbenzene	3.99	0.50	"	3.77		106	75-135			
Methyl tert-butyl ether	3.61	0.50	"	3.51		103	65-125			
Toluene	18.9	0.50	"	18.6		102	85-120			
Xylenes (total)	22.9	0.50	"	20.7		111	85-125			
Gasoline Range Organics (C4-C12)	240	50	"	220		109	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.03</i>		<i>"</i>	<i>2.50</i>		<i>81</i>	<i>60-135</i>			



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 Reported:  
 09/06/05 18:00

### 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
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**Batch 5H26005 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (5H26005-MS1)	Source: MOH1014-03			Prepared & Analyzed: 08/26/05						
tert-Amyl methyl ether	782	50	ug/l	752	ND	104	80-115			
Benzene	823	50	"	258	540	110	65-115			
tert-Butyl alcohol	7480	2000	"	7150	ND	105	75-120			
Di-isopropyl ether	807	50	"	757	ND	107	75-125			
1,2-Dibromoethane (EDB)	852	50	"	742	ND	115	85-120			
1,2-Dichloroethane	773	50	"	736	ND	105	85-130			
Ethanol	16100	10000	"	7070	ND	228	70-135			LM
Ethyl tert-butyl ether	788	50	"	751	ND	105	75-130			
Ethylbenzene	2500	50	"	377	2500	0	75-135			BB,LN
Methyl tert-butyl ether	370	50	"	351	ND	105	65-125			
Toluene	2120	50	"	1860	240	101	85-120			
Xylenes (total)	9430	50	"	2070	8600	40	85-125			BB,LN
Gasoline Range Organics (C4-C12)	61200	5000	"	22000	60000	5	70-124			LN
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.04</i>		<i>"</i>	<i>2.50</i>		<i>82</i>	<i>60-135</i>			

Matrix Spike Dup (5H26005-MSD1)	Source: MOH1014-03			Prepared & Analyzed: 08/26/05						
tert-Amyl methyl ether	776	50	ug/l	752	ND	103	80-115	0.8	15	
Benzene	802	50	"	258	540	102	65-115	3	20	
tert-Butyl alcohol	8710	2000	"	7150	ND	122	75-120	15	25	LM
Di-isopropyl ether	792	50	"	757	ND	105	75-125	2	15	
1,2-Dibromoethane (EDB)	858	50	"	742	ND	116	85-120	0.7	15	
1,2-Dichloroethane	778	50	"	736	ND	106	85-130	0.6	20	
Ethanol	17300	10000	"	7070	ND	245	70-135	7	35	LM
Ethyl tert-butyl ether	787	50	"	751	ND	105	75-130	0.1	25	
Ethylbenzene	2460	50	"	377	2500	NR	75-135	2	15	BB,LN
Methyl tert-butyl ether	369	50	"	351	ND	105	65-125	0.3	20	
Toluene	2100	50	"	1860	240	100	85-120	0.9	20	
Xylenes (total)	9240	50	"	2070	8600	31	85-125	2	20	BB,LN
Gasoline Range Organics (C4-C12)	61100	5000	"	22000	60000	5	70-124	0.2	20	LM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.08</i>		<i>"</i>	<i>2.50</i>		<i>83</i>	<i>60-135</i>			



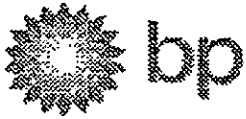
URS Corporation [Arco]  
1333 Broadway, Suite 800  
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Project Manager:Lynelle Onishi

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#### Notes and Definitions

LN MS and/or MSD below acceptance limits. See Blank Spike(LCS).  
LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).  
HL Analyte recovery above established limit  
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



# Chain of Custody Record

Project Name: Analytical for QMR sampling - 11132-050817-0w-4  
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11132 > Historical/BL  
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Francisco  
 Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time:	<u>1150</u>	Temp:	<u>72°</u>
Off-site Time:	<u>1510</u>	Temp:	<u>78°</u>
Sky Conditions:	<u>Sunny</u>		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: <u>Sequoia</u>	BP/AR Facility No.: <u>11132</u>	Consultant/Contractor: <u>URS</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>3201 35th Ave, Oakland, CA 94619</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland, CA 94612</u>
Lab PM: <u>Lisa Race / Jamshid Kekobad</u>	Site Lat/Long: <u>37.791607 / -122.204</u>	Consultant/Contractor Project No.: <u>38487137</u>
Tele/Fax: <u>408.782.8156 / 408.782.6308</u>	California Global ID No.: <u>T0600100213</u>	Consultant/Contractor PM: <u>Lynelle Omishi</u>
BP/AR PM Contact: <u>Kyle Christie</u>	Enfos Project No.: <u>G07TS-0021</u>	Tele/Fax: <u>510.874.1758 / 510.874.3268</u>
Address: <u>4 Centerpointe Dr.</u> <u>La Palma, CA 90623</u>	Provision or RCOP: <u>Provision</u>	Report Type & QC Level: <u>Level 1 with BDF</u>
Tele/Fax: <u>(714) 670-5303 / (714) 670-5195</u>	Phase/WBS: <u>04 - Mon/Remed by Natural Attenuation</u>	E-mail BDD To: <u>Donna_Cosper@urscorp.com</u>
	Sub Phase/Task: <u>03 - Analytical</u>	Invoice to: <u>Atlantic Richfield Company</u>
	Cost Element: <u>05 - Subcontracted Costs</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis				Sample Point Lat/Long and Comments				
				Soil/Solid	Water/Liquid	Air			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	GRO / BTEX (#260)	MTBE, TAME, ETBE	DIPE, TBA (#260)	EDB, 1,2-DCA (#260)		Subtotal (#260)			
1	MW-2	1349	8-17	X			01	3					X	X	X	X						
2	MW-5	1247					02	1					X	X	X	X						
3	MW-8	1310					03	1					X	X	X	X						
4	MW-9	1409					04	1					X	X	X	X						
5	MW-10	1330					05	1					X	X	X	X						
6	TB-11132-081705	-					04	2													ON HOLD	
7																						
8																						
9																						
10																						

MDH 1014  
Sample Point Lat/Long and Comments

ON HOLD

Sampler's Name: <u>Dave Walter</u>	Relinquished By / Affiliation: <u>David C. Gale</u>	Date: <u>8-17-05</u>	Time: <u>1620</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>8/17/05</u>	Time: <u>1629</u>
Sampler's Company: <u>Blaine Tech</u>	<u>SAMPLE CUSTODIAN</u>	Date: <u>8/16/05</u>	Time: <u>0917</u>	<u>[Signature]</u>	Date: <u>8/16/05</u>	Time: <u>0917</u>
Event Date:		Date: <u>8/17/05</u>	Time: <u>1050</u>	<u>[Signature]</u>	Date: <u>8/18/05</u>	Time: <u>1030</u>
Event Method:						
Tracking No.:						

Instructions: \_\_\_\_\_  
 In Place Yes  No \_\_\_\_\_ Temp Blank Yes  No \_\_\_\_\_ Cooler Temperature on Receipt 2.9 F/C Trip Blank Yes  No \_\_\_\_\_

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

**CLIENT NAME:** URS  
**REC. BY (PRINT):** Marcos  
**WORKORDER:** M04 1014

**DATE REC'D AT LAB:** 8.18.05  
**TIME REC'D AT LAB:** 10:50  
**DATE LOGGED IN:** 8-26-05

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) <input checked="" type="radio"/> Present / <input type="radio"/> Absent <input type="radio"/> Intact / <input type="radio"/> Broken*	01		MW-2	3-U09	HCL	-	L	8/17/05	
2. Chain-of-Custody <input checked="" type="radio"/> Present / <input type="radio"/> Absent*	02		↓ -5	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: <input type="radio"/> Present / <input checked="" type="radio"/> Absent	03		↓ -8	↓	↓	↓	↓	↓	
4. Airbill: <input type="radio"/> Airbill / <input type="radio"/> Sticker <input type="radio"/> Present / <input checked="" type="radio"/> Absent	04		↓ -9	↓	↓	↓	↓	↓	
5. Airbill #:			↓ -10	↓	↓	↓	↓	↓	
6. Sample Labels: <input checked="" type="radio"/> Present / <input type="radio"/> Absent			TB-11132-081705	Z-U09	↓	↓	↓	↓	
7. Sample IDs: <input checked="" type="radio"/> Listed / <input type="radio"/> Not Listed <input checked="" type="radio"/> on Chain-of-Custody									
8. Sample Condition: <input checked="" type="radio"/> Intact / <input type="radio"/> Broken* / <input type="radio"/> Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / <input type="radio"/> No*									
10. Sample received within hold time? <input checked="" type="radio"/> Yes / <input type="radio"/> No*									
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / <input type="radio"/> No*									
12. Proper preservatives used? <input checked="" type="radio"/> Yes / <input type="radio"/> No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / <input type="radio"/> No*									
14. Read Temp: <u>2.4</u> Corrected Temp: <u>2.4</u> Is corrected temp 4 +/- 2°C? <input checked="" type="radio"/> Yes / <input type="radio"/> No** <small>(acceptance range for samples requiring thermal pres.)</small> Reception (if any): METALS / DFF ON ICE Problem COC									

MF 8.18.05

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

**ATTACHMENT C**

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

			geo_well			
T0600100213	MW-3	ACT	8/17/2005		18.53	34.4 UNK
N						
T0600100213	MW-2	ACT	8/17/2005		20	31.55 UNK
N						
T0600100213	MW-7	ACT	8/17/2005		19.74	34.8
N						
T0600100213	MW-8	ACT	7/7/2005		15.5	UNK
N						
T0600100213	MW-8	ACT	8/17/2005		17.8	38.84 UNK
N						
T0600100213	MW-8	ACT	9/6/2005		18.36	UNK
Y						
T0600100213	MW-4	ACT	8/17/2005		21.31	40.85 UNK
N						
T0600100213	MW-5	ACT	8/17/2005		17	32.1 UNK
N						
T0600100213	RW-1	ACT	7/7/2005	17.4	17.43	UNK
Y						
T0600100213	RW-1	ACT	8/17/2005	19.88	19.91	UNK
Y						
T0600100213	RW-1	ACT	9/6/2005	20.06	20.12	UNK
Y						
T0600100213	MW-9	ACT	7/7/2005		14.95	UNK
N						
T0600100213	MW-9	ACT	8/17/2005		18.03	27.55 UNK
N						
T0600100213	MW-9	ACT	9/6/2005		18.56	UNK
N						
T0600100213	MW-10	ACT	7/7/2005		16.3	UNK
N						
T0600100213	MW-10	ACT	8/17/2005		19.01	34.13 UNK
N						
T0600100213	MW-10	ACT	9/6/2005		19.5	UNK
Y						
T0600100213	MW-1	ACT	8/17/2005	21.07	21.15	
Y						
T0600100213	MW-1	ACT	7/7/2005	18.91	18.93	
Y						
T0600100213	MW-1	ACT	9/6/2005	20.06	20.12	
Y						

## Electronic Submittal Information

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### SUCCESSFUL GEO\_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/19/2005 11:34:46 AM

**Processing is complete. No errors were found!**  
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### UPLOADING A GEO\_WELL FILE

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

**Submittal Title:** 3Q 2005 BP/ARCO 11132  
GEO\_WELL

**Submittal Date/Time:** 10/19/2005 11:36:02 AM

**Confirmation Number:** 2055145084

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### SUCCESSFUL EDF CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	9/9/2005 3:52:30 PM
<u>GLOBAL ID:</u>	T0600100213
<u>FILE UPLOADED:</u>	BP#11132-EDF-MOH1014.zip

No errors were found in your EDF upload file.

**If you want to submit this file to the SWRCB, choose the "Upload EDD" 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.](#)

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

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

#### **METHOD QA/QC REPORT**

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
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-	N
---	---

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

**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

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## Electronic Submittal Information

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**Confirmation Number:** 3790866374  
**Date/Time of Submittal:** 9/9/2005 3:53:25 PM  
**Facility Global ID:** T0600100213  
**Facility Name:** BP  
**Submittal Title:** 3Q 2005 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) - (BG) <b>Local Agency (lead agency) - Case #: 3878</b> ALAMEDA COUNTY LOP - (RWS)
--	--

<b>CONF #</b>	<b>TITLE</b>	<b>QUARTER</b>
3790866374	3Q 2005 BP/ARCO 11132 EDF	Q3 2005
<b>SUBMITTED BY</b>	<b>SUBMIT DATE</b>	<b>STATUS</b>
Srijesh Thapa	9/9/2005	PENDING REVIEW

### SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

### METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
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%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

### 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

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