RO 14

URS

April 9, 2004

Alameda County
APR 05 2004
Environmental Health

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: First Quarter 2004 Groundwater Monitoring Report
Former BP Service Station #11132
3201 35th Avenue
Oakland, California
URS Project #38486814

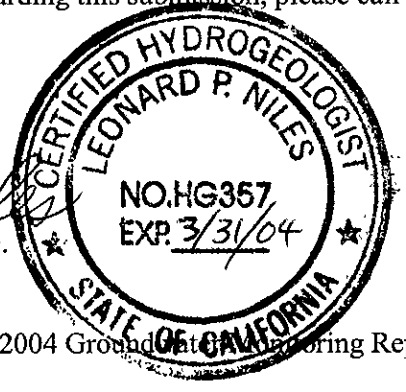
Dear Mr. Hwang:

On behalf of the Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Quarter 2004 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) 874-1720.

Sincerely,

URS CORPORATION



Leonard P. Niles, R.G./C.H.G.
Project Manager

Enclosure: First Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818
Mr. Ade Fagorala, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

Alameda County
APR 05 2004
Environmental Health

FIRST QUARTER 2004 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11132
3201 35TH AVENUE
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

April 9, 2004

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

384864814

Date: April 9, 2004
Quarter: 1Q 04

BP QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11132	Address:	3201 35th Avenue Oakland, CA
ARCO Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Leonard Niles
Consultant Project No.:			38486814
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services Agency (ACHCSA)/ #RO0000014

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on February 23, 2004.
2. Prepared and submitted first quarter 2004 groundwater monitoring report.
3. Performed monthly free product gauging and bailing as an interim remedial action measure.

WORK PROPOSED FOR NEXT QUARTER (Second – 2004):

1. Perform second quarter 2004 groundwater monitoring event.
2. Prepare and submit second quarter 2004 groundwater monitoring report.
3. Perform monthly free product gauging and bailing as an interim remedial action measure.
4. Perform expedited site assessment pending approval of permitting.
5. Prepare and submit subsurface investigation report

Current Phase of Project:	GW monitoring/sampling/Free Product Bailing
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1, MW-2, MW-8, MW-9, MW-10, & RW-1; Annually (1st quarter): Wells MW-3 through MW-5
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	Free product detected in MW-1 on December 31, 2003. Free product detected in MW-1 on February 2, 2004. Free product detected in MW-1 and RW-1 on February 23, 2004. Free product detected in MW-1 and RW-1 on March 18, 2004. Sheen in RW-1 on December 31, 2003, and in MW-2, MW-5, MW-8, MW-9, and MW-10 on February 23, 2004 and March 18, 2004.
FP Recovered this Quarter (as of 3/18/04):	0.18 Gallons
Cumulative FP Recovered Since 1990:	50.32 Gallons
Current Remediation Techniques:	Interim Monthly Free Product Bailing

Approximate Depth to Groundwater (2/23/04):	12.82 (MW-8) to 17.53 (MW-4) feet
Groundwater Gradient (direction):	Varies (East to Southwest)
Groundwater Gradient (magnitude):	0.008 - 0.045 feet per foot

DISCUSSION:

GRO was detected above the laboratory detection limit in seven of seven wells sampled this quarter at concentrations ranging from 75 micrograms per liter (µg/L) in well MW-4 to 91,000 µg/L in well MW-9. Benzene was detected above the laboratory detection limit in four wells at concentrations ranging from 840 µg/L in well MW-8 to 14,000 µg/L in well MW-2. MTBE was detected above the laboratory detection limit in five wells at concentrations ranging from 65 µg/L in MW-4 to 790 µg/L in MW-2. 1,2-DCA was detected above laboratory reporting limits in one well, MW-5, at a concentration of 38 µg/L. No other fuel oxygenates were detected at or above the laboratory reporting limits.

Well MW-1 and RW-1 could not be sampled due to the presence of free product; approximately 100 milliliters (ml) (0.03 gallons) of free product was bailed from MW-1, and approximately 20 ml (0.01 gallons) was bailed from RW-1 during the February 23, 2004 monitoring event. On February 2, 2004, 97.5 ml (0.02 gallons) of free product was removed from well MW-1. On March 18, 2004, 50 ml (0.013 gallons) of free product was removed from well MW-1 and 440 ml (0.12 gallons) was removed from well RW-1.

URS has been approved for the work plan addendum submitted to ACHCSA on May 28, 2003 proposing the installation of off-site and on-site soil borings. Work will begin on these borings this quarter, pending approval of permitting, and continue into next quarter.

ATTACHMENTS:

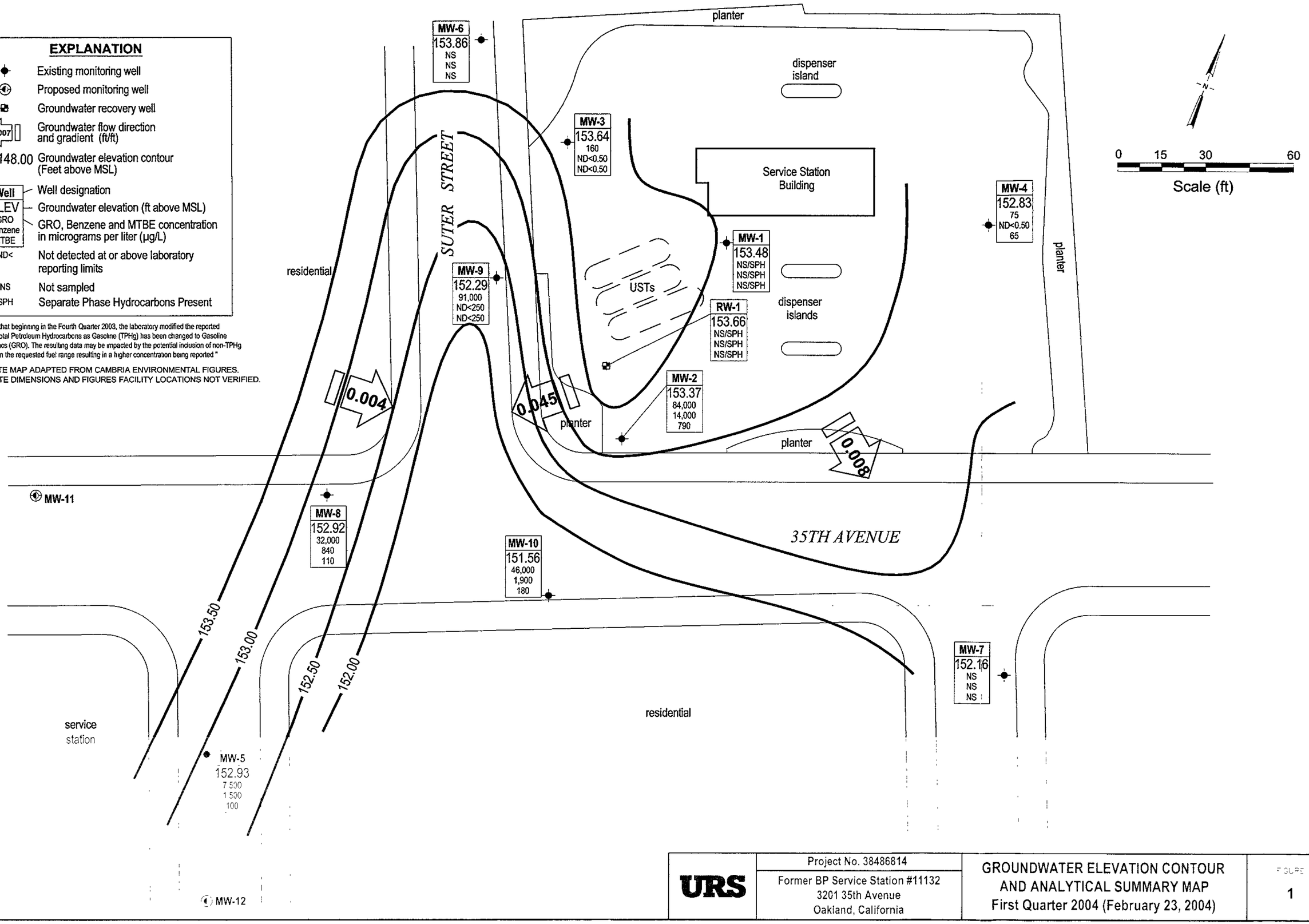
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 23, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Table 3 – Free Product Removal
- Attachment A – Concentration and Water Level Trends (MW-2, MW-5 & MW-9)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation

EXPLANATION

- Existing monitoring well
- Proposed monitoring well
- Groundwater recovery well
- 0.007 — Groundwater flow direction and gradient (ft/ft)
- 148.00 — Groundwater elevation contour (Feet above MSL)
- Well — Well designation
- ELEV — Groundwater elevation (ft above MSL)
- GRO / Benzene / MTBE — GRO, Benzene and MTBE concentration in micrograms per liter (µg/L)
- ND< — Not detected at or above laboratory reporting limits
- NS — Not sampled
- SPH — Separate Phase Hydrocarbons Present

*Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported."

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.



URS	Project No. 38486814 Former BP Service Station #11132 3201 35th Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2004 (February 23, 2004)	FIGURE 1

Mar 29, 2004 - 2:15pm
X:\x_env_waste\BP GEM\Sites\Nkos Sites\11132\Reports\Monitoring\Qtr. 1, 2004\Drawings\GWEC-AS_2-23.dwg

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-1		07/09/1990	169.75	—	0.22	—	—	—	—	—	—	—	—
MW-1		12/21/1990	169.75	—	0.58	—	—	—	—	—	—	—	—
MW-1		03/07/1991	169.75	20.59	—	—	—	—	—	—	—	—	—
MW-1		06/27/1991	169.75	—	0.18	—	—	—	—	—	—	—	—
MW-1		09/27/1991	169.75	—	0.27	—	—	—	—	—	—	—	—
MW-1		12/18/1991	169.75	—	0.28	—	—	—	—	—	—	—	—
MW-1		04/01/1991	169.75	16.51	0.15	153.35	—	—	—	—	—	—	—
MW-1		07/03/1992	169.75	22.30	0.27	147.65	—	—	—	—	—	—	—
MW-1		10/05/1992	169.75	23.98	0.24	145.95	—	—	—	—	—	—	—
MW-1		01/13/1993	169.75	17.03	0.24	152.90	—	—	—	—	—	—	—
MW-1		04/23/1993	169.75	18.10	0.42	151.97	—	—	—	—	—	—	—
MW-1		07/12/1993	169.75	22.02	0.49	148.10	—	—	—	—	—	—	—
MW-1		10/21/1993	169.75	25.12	1.09	145.45	—	—	—	—	—	—	—
MW-1		01/21/1994	169.75	23.02	0.76	147.30	—	—	—	—	—	—	—
MW-1		04/20/1994	169.75	24.54	1.80	146.56	—	—	—	—	—	—	—
MW-1		08/01/1994	169.75	24.11	0.35	145.90	—	—	—	—	—	—	—
MW-1		12/23/1994	169.75	18.19	0.29	151.78	—	—	—	—	—	—	—
MW-1		01/26/1995	169.75	16.25	1.10	154.33	—	—	—	—	—	—	—
MW-1		06/08/1995	169.75	22.92	1.20	147.73	—	—	—	—	—	—	—
MW-1		08/22/1995	169.75	24.45	0.85	145.94	—	—	—	—	—	—	—
MW-1		10/27/1995	169.75	25.41	0.69	144.86	—	—	—	—	—	—	—
MW-1		01/25/1996	169.75	18.20	1.40	152.60	—	—	—	—	—	—	—
MW-1		04/19/1996	169.75	19.06	1.22	151.61	—	—	—	—	—	—	—
MW-1		07/23/1996	169.75	22.98	0.89	147.44	—	—	—	—	—	—	—
MW-1		11/11/1996	169.75	23.99	0.98	146.50	—	—	—	—	—	—	—
MW-1		01/21/1997	169.75	16.80	0.90	153.63	—	—	—	—	—	—	—
MW-1		04/29/1997	169.75	21.90	0 85	148.49	—	—	—	—	—	—	—
MW-1		04/30/1997	169.75	—	—	—	100000	3600	8000	4000	21300	7700	5.2
QC-1	(c)	04/30/1997	—	—	—	—	92000	3500	8100	4400	23800	6900	—
MW-1		08/21/1997	169.75	23.40	0.87	147.00	140000	3000	8500	3900	22100	5700	5.3
QC-1	(c)	08/21/1997	—	—	—	—	120000	3200	8100	3800	19600	5200	—
MW-1		11/05/1997	169.75	23.70	0.54	146.46	68000	6200	4400	3300	14300	8000	4.7
QC-1	(c)	11/05/1997	—	—	—	—	88000	7300	4800	3600	16900	8200	—
MW-1		02/03/1998	169.75	13.63	0.32	156.36	—	—	—	—	—	—	—
MW-1		02/04/1998	—	—	—	—	190000	2200	10000	5600	32000	ND<10000	5.3
QC-1	(c)	02/04/1998	—	—	—	—	160000	2300	8400	5000	29400	ND<10000	—
MW-1		05/28/1998	169.75	18.03	0.17	151.85	87000	980	3900	3600	19000	2900	3.8
MW-1		12/30/1998	169.75	19.50	0.08	150.31	70000	530	3200	2900	16000	3600	—
MW-1		02/02/1999	169.75	18.93	0.03	150 84	79000	480	3100	3500	21000	3500	—
MW-1		05/10/1999	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000	—
MW-1		08/24/1999	169.75	20.13	0.06	149.67	110000	850	1300	1900	19000	ND<50	—
MW-1		11/03/1999	169.75	22.27	0.36	147.75	65000	6300	1100	3300	9500	8900	—
MW-1	(h)	03/01/2000	169.75	14.79	0.23	155.13	—	—	—	—	—	—	—
MW-1		04/21/2000	169.75	18.10	0.33	151.90	61000	330	780	2700	17000	1300	—

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MW-1		07/31/2000	169.75	21.60	0.53	148.55	1500000	340	2100	24000	120000	2700	---
MW-1		11/20/2000	169.75	21.69	0.37	148.34	1700000	1800	2300	19000	93000	3900	---
MW-1		02/18/2001	169.75	16.70	0.13	153.15	---	---	---	---	---	---	---
MW-1		02/26/2001	169.75	14.38	0.15	155.48	100000	658	466	4210	15000	1890	---
MW-1		06/07/2001	169.75	20.78	0.00	148.97	70000	705	440	3870	12200	2720	---
MW-1	(j)	09/05/2001	169.75	23 36	0.35	146.65	---	---	---	---	---	---	---
MW-1	(k)	11/30/2001	169.75	20.85	0.41	149.21	---	---	---	---	---	---	---
MW-1		12/06/2001	169.75	18.72	0.27	151.23	39000	3500	237	2150	4500	5400	---
MW-1		02/20/2002	169.75	17.43	0.15	152.43	52000	465	271	1600	11400	106	---
MW-1	(j)	06/20/2002	169.75	21.18	0.34	148.83	---	---	---	---	---	---	---
MW-1	(j)	09/11/2002	169.75	22.86	0.40	147.19	---	---	---	---	---	---	---
MW-1	(j)	11/12/2002	169.75	22.65	0.37	147.38	---	---	---	---	---	---	---
MW-1	(j,n)	01/29/2003	169.75	18.15	0.30	151.83	---	---	---	---	---	---	---
MW-1	(j)	05/22/2003	169.75	18.49	0.20	151.41	---	---	---	---	---	---	---
MW-1	(o)	06/24/2003	169.75	21.44	0.35	148.57	---	---	---	---	---	---	---
MW-1	(j)	07/28/2003	169.75	22.72	0.35	147.29	---	---	---	---	---	---	---
MW-1	(o)	08/12/2003	169.75	22.64	0.23	147.28	---	---	---	---	---	---	---
MW-1	(o)	09/12/2003	169.75	20.70	0.24	149.23	---	---	---	---	---	---	---
MW-1	(o)	10/03/2003	169.75	22.54	0.23	147.38	---	---	---	---	---	---	---
MW-1	(o)	11/18/2003	169.75	21.70	0.25	148.24	---	---	---	---	---	---	---
MW-1	(o)	12/31/2003	169.75	18.20	0.15	151.66	---	---	---	---	---	---	---
MW-1	(o)	02/02/2004	169.75	18.20	0.15	151.66	---	---	---	---	---	---	---
MW-1	**(o)**	**02/23/2004**	**169.75**	**16.34**	**0.09**	**153.48**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW-1	**(o)**	**03/18/2004**	**169.75**	**17.06**	**0.09**	**152.76**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-2	07/09/1990	168.14	---	0.10	---	---	---	---	---	---	---		---
MW-2	12/21/1990	168.14	---	0.48	---	---	---	---	---	---	---		---
MW-2	03/07/1991	168.14	19.18	---	---	---	---	---	---	---	---		---
MW-2	06/27/1991	168.14	---	0.19	---	---	---	---	---	---	---		---
MW-2	09/27/1991	168.14	---	0.15	---	---	---	---	---	---	---		---
MW-2	12/18/1991	168.14	---	0.36	---	---	---	---	---	---	---		---
MW-2	04/01/1991	168.14	15.21	0.10	153.01	---	---	---	---	---	---		---
MW-2	07/03/1992	168.14	20.93	0.03	147.23	---	---	---	---	---	---		---
MW-2	10/05/1992	168.14	22.74	0.21	145.56	---	---	---	---	---	---		---
MW-2	01/13/1993	168.14	15.55	0.02	152.61	---	---	---	---	---	---		---
MW-2	04/23/1993	168.14	16.54	0.21	151.76	---	---	---	---	---	---		---
MW-2	07/12/1993	168.14	20.46	0.06	147.73	---	---	---	---	---	---		---
MW-2	10/21/1993	168.14	24.91	0.31	143.46	---	---	---	---	---	---		---
MW-2	01/21/1994	168.14	21.20	---	146.94	---	---	---	---	---	---		---
MW-2	04/20/1994	168.14	22.44	---	145.70	1800	140	370	54	290	24	(i)	1.7
MW-2	08/01/1994	168.14	22.24	0.04	145.93	---	---	---	---	---	---		---
MW-2	12/23/1994	168.14	16.25	0.03	151.91	---	---	---	---	---	---		---
MW-2	01/26/1995	168.14	14.55	0.39	153.88	---	---	---	---	---	---		---
MW-2	06/08/1995	168.14	21.18	0.43	147.28	---	---	---	---	---	---		---
MW-2	08/22/1995	168.14	22.76	0.36	145.65	---	---	---	---	---	---		---
MW-2	10/27/1995	168.14	23.61	0.30	144.76	---	---	---	---	---	---		---
MW-2	01/25/1996	168.14	15.95	0.15	152.30	---	---	---	---	---	---		---
MW-2	04/19/1996	168.14	17.33	0.07	150.86	---	---	---	---	---	---		---
MW-2	07/23/1996	168.14	21.25	0.05	146.93	---	---	---	---	---	---		---
MW-2	11/11/1996	168.14	22.27	0.01	145.88	---	---	---	---	---	---		---
MW-2	01/21/1997	168.14	15.19	0.01	152.96	---	---	---	---	---	---		---
MW-2	04/29/1997	168.14	20.22	0.01	147.93	---	---	---	---	---	---		---
MW-2	04/30/1997	168.14	---	---	---	130000	4600	15000	6000	37000	ND<5000		5.0
MW-2	08/21/1997	168.14	21.74	0.01	146.41	110000	6000	16000	4700	28000	ND<500		4.6
MW-2	11/05/1997	168.14	21.61	0.01	146.54	120000	7800	18000	4900	28100	ND<2500		4.6
MW-2	02/03/1998	168.14	11.51	---	156.63	75000	590	1500	1800	12800	ND<2500		4.5
MW-2	05/28/1998	168.14	16.51	---	151.63	79000	3900	3100	3100	18000	900		4.3
MW-2	12/30/1998	168.14	17.70	---	150.44	95000	4700	3500	3700	21000	ND<250		---
MW-2	02/02/1999	168.14	15.46	---	152.68	170000	3500	1500	5200	34000	ND<500		---
MW-2	05/10/1999	168.14	16.52	---	151.62	84000	3200	3200	3700	20000	75		---
MW-2	08/24/1999	168.14	20.73	---	147.41	130000	9100	9200	4700	27000	ND<250		---
MW-2	11/03/1999	168.14	20.93	---	147.21	120000	10000	21000	4700	30200	2200		---
MW-2	03/01/2000	168 14	13.37	---	154.77	39000	1400	1500	1700	8100	44		---
MW-2	04/21/2000	168.14	16.59	---	151.55	68000	3300	2500	3100	20000	260		---
MW-2	07/31/2000	168.14	16.37	---	151.77	99000	5600	1400	4300	22000	490		---
MW-2	11/20/2000	168.14	19.71	---	148.43	37000	5100	1500	1300	4800	2800		---
MW-2	02/18/2001	168.14	15.29	---	152.85	54000	5020	3880	2850	15400	1010		---
MW-2	06/07/2001	168.14	19.43	---	148.71	110000	7240	4380	4160	22100	567		---
MW-2	09/05/2001	168.14	22.44	---	145.70	69000	5750	5790	2770	14200	1510		---

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-2		11/30/2001	168.14	19.58	---	148.56	120000	7270	6540	4590	23000	794	---
MW-2		02/20/2002	168.14	16.39	---	151.75	56000	2410	2270	2910	14300	160	---
MW-2		06/20/2002	168.14	19.77	---	148.37	86000	7310	6490	3080	14600	659	---
MW-2		09/11/2002	168.14	21.60		146.54	130000	7600	13000	5400	30000	ND<5000	---
MW-2		11/12/2002	168.14	21.34	SHEEN	146.80	46000	4100	4300	1900	10000	1900	---
MW-2	(n)	01/29/2003	168.14	16.80	SHEEN	151.34	77000	4700	2600	2800	13000	730	---
MW-2		05/22/2003	168.14	17.15	SHEEN	150.99	52000	6400	2600	1800	7400	1000	---
MW-2	(p)	07/28/2003	168.14	21.47	---	146.67	31000	6900	5500	2200	12000	1700	---
MW-2		11/18/2003	168.14	20.50	SHEEN	147.64	23000	3300	800	500	2000	500	---
MW-2		**02/23/2004**	**168.14**	**14.77**	**SHEEN**	**153.37**	**84000**	**14000**	**6200**	**3100**	**14000**	**790**	**---**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-3		07/09/1990	167.17	—	—	—	140	5.3	4.6	2.0	3.8	—		—
MW-3		12/21/1990	167.17	—	—	—	0.19	100	6.0	0.9	27	—		—
MW-3		03/07/1991	167 17	17.40	—	149.77	0.4	69	22	6.1	57	—		—
MW-3		06/27/1991	167.17	—	—	—	380	28	26	13	46	—		—
MW-3		09/27/1991	167.17	—	—	—	0.07	7.9	ND	0.4	1.1	—		—
MW-3		12/18/1991	167.17	—	—	—	0.26	34	24	0.8	28	—		—
MW-3		04/01/1991	167.17	13.69	—	153.48	ND	ND	ND	ND	ND	—		—
MW-3		07/03/1992	167.17	19.59	—	147.58	71	9.4	0.9	5.0	13	—		—
MW-3		10/05/1992	167.17	21.22	—	145.95	67	5.1	1.1	6.1	8.1	—		—
QC-1	(c)	10/05/1992	—	—	—	—	ND<50	2.2	ND<0.5	1.5	2.8	—		—
MW-3		01/13/1993	167.17	13.63	—	153.54	830	50	34	42	89	—	(i)	—
MW-3		04/23/1993	167.17	15.02	—	152.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
QC-1	(c)	04/23/1993	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-3		07/12/1993	167.17	19.16	—	148.01	250	12	4.2	12	16	ND<5.0	(i)	—
MW-3		10/21/1993	167.17	21.81	—	145.36	52	4.4	1.4	4.7	3.3	ND<5 0	(i)	—
QC-1	(c)	10/21/1993	—	—	—	—	65	7.4	1.0	6.9	4.2	—		—
MW-3		01/21/1994	167.17	19.94	—	147.23	57	3.0	3.4	3.6	9.0	ND<5.0	(i)	—
MW-3		04/20/1994	167.17	20.24	—	146.93	600	26	23	33	88	28.7	(i)	1 8
MW-3		08/01/1994	167.17	20.74	—	146.43	99	6.2	1.1	4.5	5.2	ND<5.0	(i)	1.4
QC-1	(c)	08/01/1994	—	—	—	—	120	7.7	1.6	5.9	6.7	5.43	(i)	—
MW-3		12/23/1994	167.17	14.70	—	152.47	ND<50	ND<0.5	0.78	ND<0.5	ND<0.5	9.8	(i)	1.7
QC-1	(c)	12/23/1994	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
MW-3		01/26/1995	167.17	12.89	—	154.28	190	16	0.5	35	24	—		6.6
MW-3		06/08/1995	167.17	19.95	—	147.22	330	21	4.0	34	32	—		7.0
MW-3		08/22/1995	167.17	21.41	—	145.76	150	14	ND<0.50	ND<0.50	1.6	ND<5.0	(d)	6 6
MW-3		10/27/1995	167.17	22.43	—	144.74	—	—	—	—	—	—		—
MW-3		10/30/1995	167.17	—	—	—	51	2.4	ND<0.50	ND<0.50	ND<1.0	ND<5.0		6.9
MW-3		01/25/1996	167.17	14.03	—	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1		—
MW-3		04/19/1996	167.17	15.26	—	151.91	460	55	4	33	63	ND<10		9.4
MW-3		07/23/1996	167.17	19.19	—	147.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10		9.2
MW-3		11/11/1996	167.17	20.24	—	146.93	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		8.4
MW-3		01/21/1997	167.17	13.09	—	154.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.4
MW-3		04/29/1997	167.17	18.14	—	149.03	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.3
MW-3		08/21/1997	167.17	19.64	—	147.53	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.9
MW-3		11/05/1997	167.17	19.95	—	147.22	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.5
MW-3		02/03/1998	167.17	10.57	—	156.60	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10		4.7
MW-3		05/28/1998	167.17	14.65	—	152.52	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.2
MW-3		12/30/1998	167.17	16.63	—	150.54	—	—	—	—	—	—		—
MW-3		02/02/1999	167.17	13.12	—	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0		—
MW-3		05/10/1999	167.17	14.21	—	152.96	—	—	—	—	—	—		—
MW-3		08/24/1999	167.17	14.36	—	152.81	—	—	—	—	—	—		—
MW-3		11/03/1999	167.17	19.21	—	147.96	—	—	—	—	—	—		—
MW-3		03/01/2000	167.17	15.17	—	152.00	ND<50	ND<0.5	0 57	ND<0.5	0.62	ND<0.5		—
MW-3		04/21/2000	167.17	14.88	—	152.29	—	—	—	—	—	—		—

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-3		07/31/2000	167.17	15.29	—	151.88	---	---	—	—	—	—	---
MW-3		11/20/2000	167.17	17.31	—	149.86	---	---	—	—	—	—	---
MW-3		02/18/2001	167.17	12.85	---	154.32	160	1.95	1.31	10.2	9.09	1.0	—
MW-3		06/07/2001	167.17	18.00	---	149.17	---	---	---	---	---	---	---
MW-3		09/05/2001	167.17	20.32	---	146.85	---	—	—	—	---	---	---
MW-3		11/30/2001	167.17	16.94	---	150.23	—	—	---	---	---	---	—
MW-3		02/20/2002	167.17	14.84	—	152.33	86	ND<0.5	0.845	6 58	5.75	ND<0.5	---
MW-3		06/20/2002	167.17	18.40	---	148.77	—	—	—	—	—	---	---
MW-3		09/11/2002	167.17	20.06	---	147.11	---	---	---	---	---	—	---
MW-3		11/12/2002	167.17	19.84	---	147.33	---	---	—	—	—	---	---
MW-3	(n)	01/27/2003	167.17	14.83	---	152.34	850	20	9.7	24	45	0.76	—
MW-3		05/22/2003	167.17	15.60	---	151.57	---	---	—	—	—	---	---
MW-3		07/28/2003	167.17	20.12	---	147.05	---	—	—	—	---	---	---
MW-3		11/18/2003	167.17	19.15	---	148.02	—	—	---	---	---	---	---
MW-3		**02/23/2004**	**167.17**	**13.53**	**—**	**153.64**	**160**	**ND<0.50**	**1.1**	**9.6**	**12**	**ND<0.50**	—

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

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-4	07/09/1990	170.36	—	—	—	ND	ND	ND	ND	ND	—		—
MW-4	12/21/1990	170.36	—	—	—	ND	ND	ND	ND	0.8	—		—
MW-4	03/07/1991	170.36	20.72	—	149.64	ND	2.2	3.8	1.5	2.8	—		—
MW-4	06/27/1991	170.36	—	—	—	ND	6.3	1.8	0.4	1.0	—		—
MW-4	09/27/1991	170.36	—	—	—	ND	ND	ND	ND	ND	—		—
MW-4	12/18/1991	170.36	—	—	—	ND	ND	ND	ND	ND	—		—
MW-4	04/01/1991	170.36	17.49	—	152.87	ND	ND	ND	ND	ND	—		—
MW-4	07/03/1992	170.36	22.16	—	148.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
MW-4	10/05/1992	170.36	23.38	—	146.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
MW-4	01/13/1993	170.36	17.58	—	152.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-4	04/23/1993	170.36	15.72	—	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-4	07/12/1993	170.36	21.74	—	148.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	—
MW-4	10/21/1993	170.36	23.84	—	146.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	—
MW-4	01/21/1994	170.36	22.42	—	147.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0 5	ND<5.0	(i)	—
MW-4	04/20/1994	170.36	22.66	—	147.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	2.2
MW-4	08/01/1994	170.36	23.01	—	147.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	1.9
MW-4	12/23/1994	170.36	17.03	—	153.33	—	—	—	—	—	—		—
MW-4	01/26/1995	170.36	17.42	—	152.94	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	—		7 5
MW-4	06/08/1995	170.36	21.55	—	148.81	—	—	—	—	—	—		—
MW-4	08/22/1995	170.36	23.47	—	146.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1 0	ND<5.0	(d)	6.4
MW-4	10/27/1995	170.36	24.50	—	145.86	—	—	—	—	—	—		—
MW-4	01/25/1996	170.36	18.74	—	151.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	58		—
MW-4	04/19/1996	170.36	18.63	—	151.73	—	—	—	—	—	—		—
MW-4	07/23/1996	170.36	22.56	—	147.80	—	—	—	—	—	—		—
MW-4	11/11/1996	170.36	23.63	—	146.73	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	34		8.2
MW-4	01/21/1997	170.36	16.59	—	153.77	—	—	—	—	—	—		—
MW-4	04/29/1997	170.36	21.43	—	148.93	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.7
MW-4	08/21/1997	170.36	22.91	—	147.45	—	—	—	—	—	—		—
MW-4	11/05/1997	170.36	22.34	—	148.02	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	76		4.9
MW-4	02/03/1998	170.36	12.26	—	158.10	—	—	—	—	—	—		—
MW-4	05/28/1998	170.36	18.50	—	151.86	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	160		4.2
MW-4	12/30/1998	170.36	19.69	—	150.67	—	—	—	—	—	—		—
MW-4	02/02/1999	170.36	18.26	—	152.10	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	130		—
MW-4	05/10/1999	170.36	17.86	—	152.50	—	—	—	—	—	—		—
MW-4	08/24/1999	170.36	17.93	—	152.43	—	—	—	—	—	—		—
MW-4	11/03/1999	170.36	22.78	—	147.58	—	—	—	—	—	—		—
MW-4	03/01/2000	170.36	18.04	—	152.32	ND<50	ND<0.5	0.67	ND<0.5	0.7	110		—
MW-4	04/21/2000	170.36	17.36	—	153.00	—	—	—	—	—	—		—
MW-4	07/31/2000	170.36	17.83	—	152.53	—	—	—	—	—	—		—
MW-4	11/20/2000	170.36	18.91	—	151.45	—	—	—	—	—	—		—
MW-4	02/18/2001	170.36	17.72	—	152.64	88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	97.3		—
MW-4	06/07/2001	170.36	20.23	—	150.13	—	—	—	—	—	—		—
MW-4	09/05/2001	170.36	22.76	—	147.60	—	—	—	—	—	—		—
MW-4	11/30/2001	170.36	21.30	—	149.06	—	—	—	—	—	—		—

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3201 35th Avenue, Oakland, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-4		02/20/2002	170.36	19.32	—	151.04	76	ND<0.5	ND<0.5	ND<0.5	ND<1.0	81	---
MW-4		06/20/2002	170.36	20.71	—	149.65	---	---	—	—	—	—	---
MW-4		09/11/2002	170.36	22.22	---	148.14	—	—	---	---	---	---	—
MW-4		11/12/2002	170.36	22.22	—	148.14	---	---	---	—	—	—	---
MW-4	(n)	01/29/2003	170.36	19.80	---	150.56	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	66	—
MW-4		05/22/2003	170.36	19.35	—	151.01	---	---	---	—	—	—	---
MW-4		07/28/2003	170.36	22.18	---	148.18	—	—	---	---	---	---	---
MW-4		11/18/2003	170.36	21.65	---	148.71	—	—	---	---	---	—	—
MW-4		**02/23/2004**	**170.36**	**17.53**	**---**	**152.83**	**75**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**65**	**---**

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Groundwater Elevation and Analytical Data
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WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-5		07/09/1990	165.14	---	---	---	280	200	210	46	290	---		---
MW-5		12/21/1990	165.14	---	---	---	0.69	300	34	8.4	39	---		---
MW-5		03/07/1991	165.14	16.60	---	148.54	ND	17	0.9	0.7	1.6	---		---
MW-5		06/27/1991	165.14	---	---	---	330	120	10	12	8	---		---
MW-5		09/27/1991	165.14	---	---	---	0.73	230	16	20	22	---		---
MW-5		12/18/1991	165.14	---	---	---	ND	ND	ND	ND	ND	---		---
MW-5		04/01/1991	165.14	11.99	---	153.15	800	250	54	11	60	---		---
MW-5		07/03/1992	165.14	18.65	---	146.49	150	36	ND<0.5	ND<0.5	1.1	---		---
MW-5		10/05/1992	165.14	20.32	---	144.82	270	79	4	1.7	2.9	---		---
MW-5		01/13/1993	165.14	13.03	---	152.11	180	59	6.0	1.8	7.6	---	(i)	---
MW-5		04/23/1993	165.14	13.51	---	151.63	8700	440	96	35	136	---	(i)	---
MW-5		07/12/1993	165.14	18.06	---	147.08	250	57	2.9	2.1	6.0	ND<5.0	(i)	---
MW-5		10/21/1993	165.14	20.41	---	144.73	210	82	1.5	ND<0.5	1 4	---	(i)	---
MW-5		01/21/1994	165.14	18.86	---	146.28	110	36	1.2	ND<0.5	0.7	ND<5.0	(i)	---
MW-5		04/20/1994	165.14	17.30	---	147.84	690	230	4.5	1.6	11	21.2	(i)	1.3
MW-5		08/01/1994	165 14	17.53	---	147.61	170	44	1.6	0.9	2.7	ND<5.0	(i)	0.9
MW-5		12/23/1994	165.14	11.63	---	153.51	630	180	1.9	0.66	1.9	7.81	(i)	1.4
MW-5		01/26/1995	165.14	11.25	---	153.89	160	68	ND<0.5	ND<0.5	22	---		5.9
MW-5		06/08/1995	165.14	16.80	---	148.34	2000	630	58	61	180	---		6.5
QC-1	(c)	06/08/1995	---	---	---	---	1700	560	51	55	170	---		---
MW-5		08/22/1995	165.14	19.02	---	146.12	3700	1100	18	27	59	ND<130	(d)	7.3
MW-5		10/27/1995	165.14	20.94	---	144.20	---	---	---	---	---	---		---
MW-5		10/30/1995	165.14	---	---	---	6500	2200	55	180	270	ND<250		7.5
MW-5		01/25/1996	165.14	13.30	---	151.84	590	37	0.70	ND<0.50	ND<1.0	ND<5.0		---
QC-1	(c)	01/25/1996	---	---	---	---	540	37	0.66	ND<0.50	ND<1.0	ND<5.0		---
MW-5		04/19/1996	165.14	13.63	---	151.51	1500	470	38	49	210	ND<50		8.1
MW-5		07/23/1996	165.14	17.61	---	147.53	140	4.6	ND<0.5	ND<0.5	ND<0.5	ND<10		8.0
MW-5		11/11/1996	165.14	18.70	---	146.44	140	40	ND<1.0	ND<1.0	ND<1.0	ND<10		7.9
MW-5		01/21/1997	165.14	11.63	---	153.51	730	300	ND<5.0	7.8	26	ND<50		5.0
MW-5		04/29/1997	165.14	16.74	---	148.40	340	530	ND<5.0	ND<5.0	ND<5.0	ND<50		4.8
MW-5		08/21/1997	165.14	18.26	---	146.88	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.9
MW-5		11/05/1997	165.14	18.84	---	146.30	120	13	ND<1 0	ND<1.0	ND<1.0	ND<10		4.4
MW-5		02/03/1998	165.14	9.49	---	155.65	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10		4.3
MW-5		05/28/1998	165.14	13.57	---	151.57	4900	1500	34	180	311	ND<10		4.1
MW-5		12/30/1998	165.14	14.65	---	150.49	---	---	---	---	---	---		---
MW-5		02/02/1999	165.14	12.56	---	152.58	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.1		---
MW-5		05/10/1999	165.14	13.36	---	151.78	---	---	---	---	---	---		---
MW-5		08/24/1999	165.14	13.50	---	151.64	---	---	---	---	---	---		---
MW-5		11/03/1999	165.14	18.48	---	146.66	---	---	---	---	---	---		---
MW-5		03/01/2000	165.14	9.59	---	155.55	ND<50	ND<0.5	0.58	ND<0.5	0.54	2.9		---
MW-5		04/21/2000	165.14	13.52	---	151.62	---	---	---	---	---	---		---
MW-5		07/31/2000	165.14	14.04	---	151.10	---	---	---	---	---	---		---
MW-5		11/20/2000	165.14	15.89	---	149.25	---	---	---	---	---	---		---
MW-5		02/18/2001	165.14	11.88	---	153.26	560	161	2.38	6.11	13	5.67		---

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-5		06/07/2001	165.14	15.30	---	149.84	---	---	---	---	---	---	---
MW-5		09/05/2001	165.14	19.32	---	145.82	---	---	---	---	---	---	---
MW-5		11/30/2001	165.14	17.44	---	147.70	---	---	---	---	---	---	---
MW-5		02/20/2002	165.14	13.88	---	151.26	4200	940	18.7	98.2	176	55.6	---
MW-5		06/20/2002	165.14	16.20	---	148.94	---	---	---	---	---	---	---
MW-5		09/11/2002	165.14	19.15	---	145.99	---	---	---	---	---	---	---
MW-5		11/12/2002	165.14	19.01	---	146.13	390	55	0.89	3.4	3.5	210	---
MW-5	(n)	01/29/2003	165.14	16.33	---	148.81	7900	1400	34	220	350	69	---
MW-5		05/22/2003	165.14	14.35	---	150.79	9900	2300	91	400	690	ND<50	---
MW-5		07/28/2003	165.14	18.90	---	146.24	3200	690	14	81	100	120	---
MW-5	(q)	11/18/2003	165 14	18.55	---	146.59	---	---	---	---	---	---	---
MW-5		**02/23/2004**	**165.14**	**12.21**	**---**	**152.93**	**7500**	**1500**	**100**	**190**	**350**	**100**	**---**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-6		07/09/1990	165.40	---	---	---	ND	ND	ND	ND	ND	---		---
MW-6		12/21/1990	165.40	---	---	---	0.17	2.6	7.0	4.9	26	---		---
MW-6	(e)	03/07/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	06/27/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	09/27/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6		12/18/1991	165.40	---	---	---	ND	1.3	22	ND	2.7	---		---
MW-6		04/01/1991	165.40	11.79	---	153.61	ND	ND	ND	ND	ND	---		---
MW-6		07/03/1992	165.40	17.77	---	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-6		10/05/1992	165.40	19.46	---	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-6		01/13/1993	165.40	11.34	---	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		04/23/1993	165.40	12.92	---	152.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		07/12/1993	165.40	17.36	---	148.04	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	ND<5.0	(i)	---
MW-6		10/21/1993	165.40	19.98	---	145.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		01/21/1994	165.40	18.10	---	147.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	---
MW-6		04/20/1994	165.40	18.68	---	146.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17.4	(i)	2.0
MW-6		08/01/1994	165.40	18.90	---	146.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.66	(i)	1.5
MW-6		12/23/1994	165.40	12.94	---	152.46	---	---	---	---	---	---		---
MW-6		01/26/1995	165.40	10.46	---	154.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		7.3
MW-6		06/08/1995	165.40	16.84	---	148.56	---	---	---	---	---	---		---
MW-6		08/22/1995	165.40	19.48	---	145.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	6.7
MW-6		10/27/1995	165.40	20.39	---	145.01	---	---	---	---	---	---		---
MW-6		01/25/1996	165.40	12.24	---	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9.9		---
MW-6		04/19/1996	165.40	13.90	---	151.50	---	---	---	---	---	---		---
MW-6		07/23/1996	165.40	17.83	---	147.57	---	---	---	---	---	---		---
MW-6		11/11/1996	165.40	18.90	---	146.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1 0	ND<10		7.7
MW-6		01/21/1997	165.40	11.97	---	153.43	---	---	---	---	---	---		---
MW-6		04/29/1997	165.40	17.04	---	148.36	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.5
MW-6		08/21/1997	165.40	18.58	---	146.82	---	---	---	---	---	---		---
MW-6		11/05/1997	165.40	19.17	---	146.23	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	85		4.3
MW-6		02/03/1998	165.40	9.87	---	155.53	---	---	---	---	---	---		---
MW-6		05/28/1998	165.40	13.38	---	152.02	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		3.7
MW-6		12/30/1998	165.40	14.45	---	150.95	---	---	---	---	---	---		---
MW-6		02/02/1999	165.40	18.29	---	147.11	---	---	---	---	---	---		---
MW-6		05/10/1999	165.40	17.49	---	147.91	---	---	---	---	---	---		---
MW-6		08/24/1999	165.40	17.61	---	147.79	---	---	---	---	---	---		---
MW-6		11/03/1999	165.40	16.26	---	149.14	---	---	---	---	---	---		---
MW-6		03/01/2000	165.40	17.43	---	147.97	---	---	---	---	---	---		---
MW-6		04/21/2000	165.40	13.32	---	152.08	---	---	---	---	---	---		---
MW-6		07/31/2000	165.40	13.46	---	151.94	---	---	---	---	---	---		---
MW-6		11/20/2000	165.40	14.78	---	150.62	---	---	---	---	---	---		---
MW-6		02/18/2001	165.40	11.33	---	154.07	---	---	---	---	---	---		---
MW-6		06/07/2001	165.40	16.36	---	149.04	---	---	---	---	---	---		---
MW-6		09/05/2001	165.40	18.61	---	146.79	---	---	---	---	---	---		---
MW-6		11/30/2001	165.40	15.20	---	150.20	---	---	---	---	---	---		---

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-6		02/20/2002	165.40	12.74	—	152.66	---	---	---	---	---	---	---
MW-6		06/20/2002	165.40	16.68	—	148.72	---	---	---	---	---	---	---
MW-6		09/11/2002	165.40	18.38	---	147.02	—	—	—	—	—	---	—
MW-6		11/12/2002	165.40	18.78	---	146.62	—	—	—	---	---	---	—
MW-6	(n)	01/29/2003	165.40	14.45	—	150.95	---	---	—	—	—	—	---
MW-6		05/22/2003	165.40	14.36	---	151.04	—	—	—	---	—	---	—
MW-6		07/28/2003	165.40	18.43	—	146.97	---	---	---	---	---	—	---
MW-6		11/18/2003	165.40	17.48	—	147.92	---	---	---	—	—	—	---
MW-6		**02/23/2004**	**165.40**	**11.54**	**—**	**153.86**	**—**	**—**	**—**	**—**	**—**	**—**	**—**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-7		07/09/1990	167.61	—	—	—	ND	ND	ND	ND	ND	—		—
MW-7		12/21/1990	167.61	—	—	—	ND	ND	ND	ND	ND	—		—
MW-7		03/07/1991	167.61	19.04	—	148.57	ND	ND	0.4	0.3	2.4	—		—
MW-7		06/27/1991	167.61	—	—	—	70	17	4	0.8	2.2	—		—
MW-7		09/27/1991	167.61	—	—	—	ND	0.4	ND	ND	0 4	—		—
MW-7		12/18/1991	167.61	—	—	—	ND	0.7	2.9	0.8	3.3	—		—
MW-7		04/01/1991	167.61	15.18	—	152.43	ND	ND	ND	ND	ND	—		—
MW-7		07/03/1992	167.61	20.28	—	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
MW-7		10/05/1992	167.61	21.56	—	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	—		—
MW-7		01/13/1993	167.61	15.41	—	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-7		04/23/1993	167.61	15.84	—	151.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-7		07/12/1993	167.61	19.84	—	147.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5 0	(i)	—
MW-7		10/21/1993	167.61	21.61	—	146.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	—
MW-7		01/21/1994	167.61	20.49	—	147.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	—
QC-1	(c)	01/21/1994	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
MW-7		04/20/1994	167.61	20.54	—	147.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	1.5
MW-7		08/01/1994	167.61	20.99	—	146.62	ND<50	0.7	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	1.9
MW-7		12/23/1994	167.61	15.00	—	152.61	—	—	—	—	—	—		—
MW-7		01/26/1995	167.61	14.69	—	152.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		7.0
MW-7		06/08/1995	167.61	19.87	—	147.74	—	—	—	—	—	—		—
MW-7		08/22/1995	167.61	21.49	—	146.12	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	6.4
MW-7		10/27/1995	167.61	22.53	—	145.08	—	—	—	—	—	—		—
MW-7		01/25/1996	167.61	17.21	—	150.40	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		—
MW-7		04/19/1996	167.61	17.09	—	150.52	—	—	—	—	—	—		—
MW-7		07/23/1996	167.61	21.02	—	146.59	—	—	—	—	—	—		—
MW-7		11/11/1996	167.61	22.03	—	145.58	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		7.8
MW-7		01/21/1997	167.61	15.06	—	152.55	—	—	—	—	—	—		—
MW-7		04/29/1997	167.61	20.11	—	147.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4
MW-7		08/21/1997	167.61	21.59	—	146.02	—	—	—	—	—	—		—
MW-7		11/05/1997	167.61	20.05	—	147.56	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4
MW-7		02/03/1998	167.61	9.97	—	157.64	—	—	—	—	—	—		—
MW-7		05/28/1998	167.61	13.52	—	154.09	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.3
MW-7		12/30/1998	167.61	18.33	—	149.28	—	—	—	—	—	—		—
MW-7		02/02/1999	167.61	12.33	—	149.28	—	—	—	—	—	—		—
MW-7		05/10/1999	167.61	13.52	—	154.09	—	—	—	—	—	—		—
MW-7		08/24/1999	167.61	14.01	—	153.60	—	—	—	—	—	—		—
MW-7		11/03/1999	167.61	19.91	—	147.70	—	—	—	—	—	—		—
MW-7		03/01/2000	167.61	19.89	—	147.72	—	—	—	—	—	—		—
MW-7		04/21/2000	167.61	17.94	—	149.67	—	—	—	—	—	—		—
MW-7		07/31/2000	167.61	17.33	—	150.28	—	—	—	—	—	—		—
MW-7		11/20/2000	167.61	18.41	—	149.20	—	—	—	—	—	—		—
MW-7		02/18/2001	167.61	15.13	—	152.48	—	—	—	—	—	—		—
MW-7		06/07/2001	167.61	18.75	—	148.86	—	—	—	—	—	—		—
MW-7		09/05/2001	167.61	20.48	—	147.13	—	—	—	—	—	—		—

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)		DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-7		11/30/2001	167.61		20.11	—	147.50	—	—	—	—	—	—	—
MW-7		02/20/2002	167.61		18.40	—	149.21	—	—	—	—	—	—	—
MW-7		06/20/2002	167.61		18.62	—	148.99	—	—	—	—	—	—	—
MW-7		09/11/2002	167.61		20.05	—	147.56	—	—	—	—	—	—	—
MW-7	(n)	11/12/2002	167.61		21.13	—	146.48	—	—	—	—	—	—	—
MW-7		01/29/2003	167.61		19.10	—	148.51	—	—	—	—	—	—	—
MW-7		05/22/2003	167.61		18.83	—	148.78	—	—	—	—	—	—	—
MW-7		07/28/2003	167.61		19.88	—	147.73	—	—	—	—	—	—	—
MW-7		11/18/2003	167.61		20.50	—	147.11	—	—	—	—	—	—	—
MW-7		**11/18/2003**	**168.08**	**(s)**	**15.92**	**—**	**152.16**	**—**	**—**	**—**	**—**	**—**	**—**	**—**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-8		03/07/1991	165.74	16.72	---	149.02	2.7	780	450	64	310	---		---
MW-8		06/27/1991	165.74	---	---	---	12000	3400	1100	240	750	---		---
MW-8		09/27/1991	165.74	---	---	---	41	5700	5200	1100	4300	---		---
MW-8		12/18/1991	165.74	---	---	---	3.2	990	150	120	250	---		---
MW-8		04/01/1991	165.74	12.54	---	153.20	15000	3600	2600	410	1900	---		---
MW-8		07/03/1992	165.74	18.78	---	146.96	72000	19000	32000	3000	15000	---		---
MW-8		10/05/1992	165.74	20.48	0.01	145.27	---	---	---	---	---	---		---
MW-8		01/13/1993	165.74	12.87	0.01	152.88	---	---	---	---	---	---		---
MW-8		04/23/1993	165.74	13.90	SHEEN	151.84	---	---	---	---	---	---		---
MW-8		07/12/1993	165.74	18.30	SHEEN	147.44	---	---	---	---	---	---		---
MW-8		10/21/1993	165.74	21.91	0.95	144.54	---	---	---	---	---	---		---
MW-8		01/21/1994	165.74	19.12	0.03	146.64	---	---	---	---	---	---		---
MW-8		04/20/1994	165.74	19.28	0.03	146.48	26000	1700	4100	960	4000	632	(i)	1.1
MW-8		08/01/1994	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		12/23/1994	165.74	13.81	0.03	151.95	---	---	---	---	---	---		---
MW-8		01/26/1995	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		06/08/1995	165.74	17.82	0 29	148.14	---	---	---	---	---	---		---
MW-8		08/22/1995	165.74	19.41	0.20	146.48	---	---	---	---	---	---		---
MW-8		10/27/1995	165.74	20.47	0.14	145.38	---	---	---	---	---	---		---
MW-8		01/25/1996	165.74	13.35	0.22	152.56	---	---	---	---	---	---		---
MW-8		04/19/1996	165.74	14.40	0.20	151.49	---	---	---	---	---	---		---
MW-8		07/23/1996	165.74	18.35	0.14	147.50	---	---	---	---	---	---		---
MW-8		11/11/1996	165.74	19.41	0.02	146.35	---	---	---	---	---	---		---
MW-8		01/21/1997	165.74	12.29	0.01	153.46	---	---	---	---	---	---		---
MW-8	(e)	04/29/1997	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		08/21/1997	165.74	19.61	---	146.13	240000	1100	9300	4100	31100	ND<1000		5.2
MW-8		11/05/1997	165.74	19.45	0.10	146.37	57000	790	2700	2300	15200	ND<1000		5.0
MW-8		02/03/1998	165.74	9.33	0.03	156.43	---	---	---	---	---	---		---
MW-8		02/04/1998	---	---	---	---	94000	570	1500	2100	15200	ND<2500		5.5
MW-8	(e)	05/28/1998	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		12/30/1998	165.74	15.48	0.05	150.30	120000	460	2300	2200	15000	150		---
MW-8		02/02/1999	165.74	18.29	---	147.45	82000	450	2200	3700	26000	ND<500		---
MW-8		05/10/1999	165.74	15.62	---	150.12	28000	740	1800	1100	5800	ND<25		---
MW-8		08/24/1999	165.74	18.41	---	147.33	75000	530	1400	3300	21000	150		---
MW-8		11/03/1999	165.74	18.71	---	147.03	70000	600	1300	3600	20500	750		---
MW-8		03/01/2000	165.74	19.37	---	146.37	27000	1600	1200	2600	6600	120		---
MW-8	(e)	04/21/2000	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	(e)	07/31/2000	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		11/20/2000	165.74	17.42	---	148.32	1300000	1400	1700	20000	16000	5700		---
MW-8	(e)	02/18/2001	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	(e)	06/07/2001	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	(j)	09/05/2001	165.74	21.45	0.04	144.32	---	---	---	---	---	---		---
MW-8	(h)	11/30/2001	165.74	18.31	---	147.43	---	---	---	---	---	---		---
MW-8	(e)	12/06/2001	165.74	---	---	---	---	---	---	---	---	---		---

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-8		02/20/2002	165.74	14.02	---	151.72	20000	163	114	403	3810	80.4	---
MW-8		06/20/2002	165.74	17.56	---	148.18	28000	466	141	962	5850	2520	---
MW-8		09/11/2002	165.74	19.45	---	146.29	190000	1500	670	4500	23000	1200	---
MW-8		11/12/2002	165.74	19.15	SHEEN	146.59	420	6.4	2.9	16	110	31	---
MW-8	(n)	01/29/2003	165.74	15.02	---	150.72	200000	810	ND<500	2000	11000	ND<500	---
MW-8		05/22/2003	165.74	15.07	SHEEN	150.67	---	---	---	---	---	---	---
MW-8		06/24/2003	165.74	17.95	---	147.79	43000	860	300	2100	9600	46	---
MW-8		07/28/2003	165.74	19.45	---	146.29	62000	690	230	1800	15000	2100	---
MW-8	(o)	08/12/2003	165.74	19.40	SHEEN	146.34	---	---	---	---	---	---	---
MW-8	(o)	09/12/2003	165.74	19.34	---	146.40	---	---	---	---	---	---	---
MW-8	(o,p)	10/03/2003	165.74	19.33	---	146.41	---	---	---	---	---	---	---
MW-8		11/18/2003	165.74	18.80	SHEEN	146.94	8800	500	37	530	930	1700	---
MW-8		12/31/2003	165.74	14.08	---	151.66	---	---	---	---	---	---	---
MW-8		02/02/2004	165.74	14.59	---	151.15	---	---	---	---	---	---	---
MW-8		**02/23/2004**	**165.74**	**12.82**	**SHEEN**	**152.92**	**32000**	**840**	**360**	**1000**	**7100**	**110**	**---**
MW-8		**03/18/2004**	**165.74**	**14.00**	**---**	**151.74**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-9		03/07/1991	166.20	16.79	—	149.41	7.1	220	4	2.4	2400	---		---
MW-9		06/27/1991	166.20	—	—	—	3600	520	400	85	310	—		---
MW-9		09/27/1991	166.20	—	—	—	3.2	720	150	50	180	—		—
MW-9		12/18/1991	166.20	—	—	—	ND	2.5	1.1	0.3	5.8	—		—
MW-9		04/01/1991	166.20	12.89	—	153.31	12000	2000	2600	360	1600	—		---
MW-9		07/03/1992	166.20	18.89	---	147.31	5700	17000	840	230	800	—		—
MW-9		10/05/1992	166.20	20.52	—	145.68	1400	440	17	14	100	---		---
MW-9		01/13/1993	166.20	12.92	—	153.28	11000	1200	1700	340	1400	—	(i)	---
QC-1	(c)	01/13/1993	—	---	---		11000	1200	1600	330	1300	---	(i)	---
MW-9		04/23/1993	166.20	14.08	—	152.12	24000	2800	4500	730	3400	---	(i)	---
MW-9		07/12/1993	166.20	18.44	—	147.76	13000	1400	1100	360	1400	20.8	(i)	---
QC-1	(c)	07/12/1993	---	—	---	—	10000	1200	900	310	1200	---		---
MW-9		10/21/1993	166.20	21.81	0.89	145.06	—	---	---	—	---	---		---
MW-9		01/21/1994	166.20	19.28	---	146.92	---	---	—	---	---	---		---
MW-9		04/20/1994	166.20	19.72	---	146.48	43000	2800	6800	1300	7900	768	(i)	1.7
QC-1	(c)	04/20/1994	—	---	---	---	45000	2700	6800	1200	8200	740	(d)	---
MW-9		08/01/1994	166.20	20.18	0.05	146.06	—	---	---	---	---	---		---
MW-9		12/23/1994	166.20	14.22	0.02	152.00	---	---	—	---	---	---		---
MW-9		01/26/1995	166.20	11.85	0.13	154.45	—	---	---	---	—	---		---
MW-9		06/08/1995	166.20	18.33	0.80	148.47	—	---	---	—	---	---		---
MW-9		08/22/1995	166.20	19.95	0.01	146.26	---	—	---	---	—	---		---
MW-9		10/27/1995	166.20	20.88	0.01	145.33	—	—	---	—	---	---		---
MW-9		01/25/1996	166.20	13.84	0.07	152.41	---	---	---	---	---	---		---
MW-9	(e)	04/19/1996	166 20	—	---	—	---	—	—	---	---	---		---
MW-9		07/23/1996	166.20	18.84	0.03	147.38	—	---	---	---	---	---		---
MW-9		11/11/1996	166.20	19.91	0.01	146.30	---	---	—	---	---	---		---
MW-9		01/21/1997	166.20	12.93	0.01	153.28	—	---	---	---	---	---		---
MW-9		04/29/1997	166.20	18.03	SHEEN	148.17	---	---	—	---	---	---		---
MW-9		04/30/1997	166.20	—	---	---	78000	1900	3600	3100	20600	ND<5000		5.5
MW-9		08/21/1997	166.20	19.56	0.01	146.65	110000	2100	3400	2300	18800	ND<500		5 1
MW-9		11/05/1997	166.20	20.59	0.01	145.62	59000	1400	1700	2200	17000	ND<500		4.5
MW-9		02/03/1998	166.20	10.56	—	155.64	55000	490	1200	1400	10200	ND<1000		4.9
MW-9		05/28/1998	166.20	14.21	0.01	152.00	41000	250	1200	1500	11400	ND<250		3.8
QC-1	(c)	05/28/1998	---	---	---	—	53000	290	830	1400	10500	ND<500		---
MW-9		12/30/1998	166.20	15.61	—	150 59	83000	860	1300	2400	21000	180		---
MW-9		02/02/1999	166.20	12.33	---	153.87	75000	530	960	1900	17000	ND<50		---
MW-9		05/10/1999	166 20	15.67	—	150.53	22000	600	1500	1100	4400	72		---
MW-9		08/24/1999	166.20	19.10	—	147.10	85000	850	1300	1700	20000	ND<250		---
MW-9		11/03/1999	166.20	19.58	---	146.62	72000	700	780	1900	19000	ND<5.0		---
MW-9		03/01/2000	166.20	13.19	—	153.01	34000	78	490	1100	8200	63		---
MW-9		04/21/2000	166.20	14.29	---	151.91	55000	260	920	1500	16000	ND<5 0		---
MW-9		07/31/2000	166.20	15.01	---	151.19	1200000	1500	6300	15000	120000	1600		---
MW-9		11/20/2000	166.20	18.23	—	147.97	320000	3500	19000	5000	40000	3900		---
MW-9		02/18/2001	166.20	13.14	—	153.06	32000	290	417	1180	10400	121		---

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Groundwater Elevation and Analytical Data
Former BP Service Station #11132
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WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-9		06/07/2001	166.20	17.41	—	148.79	96000	421	704	2330	17300	223	—
MW-9		09/05/2001	166.20	20.56	—	145.64	39000	445	323	1240	8940	310	—
MW-9		11/30/2001	166 20	17.42	—	148.78	60000	310	586	1890	14200	285	—
MW-9		02/20/2002	166.20	13.87	—	152.33	14000	64	122	897	2650	293	—
MW-9		06/20/2002	166.20	18.22	—	147.98	29000	307	168	1100	5670	208	—
MW-9		09/11/2002	166.20	20.27	—	145.93	230000	1400	680	3600	23000	ND<2500	—
MW-9		11/12/2002	166.20	19.40	SHEEN	146.80	840	5.8	3.6	28	160	21	—
MW-9	(j,n)	01/29/2003	166.20	14.30	0.10	151.90	—	—	—	—	—	—	—
MW-9		05/22/2003	166.20	15.16	SHEEN	151.04	23000	260	ND<50	1000	2900	ND<50	—
MW-9	(e)	06/24/2003	166.20	—	—	—	—	—	—	—	—	—	—
MW-9		07/28/2003	166.20	19.55	—	146.65	1500000	ND<500	ND<500	9800	79000	ND<500	—
MW-9	(o)	08/12/2003	166.20	19.60	SHEEN	146.60	—	—	—	—	—	—	—
MW-9	(o)	09/12/2003	166.20	19.60	SHEEN	146.60	—	—	—	—	—	—	—
MW-9	(o,p)	10/03/2003	166.20	19.48	0.01	146.72	—	—	—	—	—	—	—
MW-9		11/18/2003	166.20	18.48	SHEEN	147.72	19000	250	18	690	2400	45	—
MW-9		12/31/2003	166.20	14.45	—	151.75	—	—	—	—	—	—	—
MW-9		02/02/2004	166.20	14.40	—	151.80	—	—	—	—	—	—	—
MW-9		**02/23/2004**	**166.20**	**13.91**	**SHEEN**	**152.29**	**91000**	**ND<250**	**440**	**2200**	**13000**	**ND<250**	**—**
MW-9		**03/18/2004**	**166.20**	**14.24**	**—**	**151.96**	**—**	**—**	**—**	**—**	**—**	**—**	**—**

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-10		03/07/1991	167.01	18.09	---	148.92	1.6	120	190	32	230	---		---
MW-10		06/27/1991	167.01	---	---	---	12000	7300	500	150	300	---		---
MW-10		09/27/1991	167.01	---	---	---	57	12000	7200	1400	4600	---		---
MW-10		12/18/1991	167.01	---	---	---	5.3	2500	120	36	79	---		---
MW-10		04/01/1991	167.01	13.92	---	153.09	ND	ND	ND	ND	ND	---		---
MW-10		07/03/1992	167.01	19.92	---	147.09	8600	5100	1300	180	690	---		---
MW-10		10/05/1992	167.01	21.92	0.19	145.23	---	---	---	---	---	---		---
MW-10		01/13/1993	167.01	14.43	0.03	152.60	---	---	---	---	---	---		---
MW-10		04/23/1993	167.01	15.26	0.06	151.80	---	---	---	---	---	---		---
MW-10		07/12/1993	167.01	19.78	0.45	147.57	---	---	---	---	---	---		---
MW-10		10/21/1993	167.01	22.90	0.69	144 63	---	---	---	---	---	---		---
MW-10		01/21/1994	167.01	20.25	0.06	146.81	---	---	---	---	---	---		---
MW-10		04/20/1994	167.01	20.74	---	146 27	100000	12000	24000	2400	14000	1577	(d)(i)	1.0
MW-10		08/01/1994	167.01	22.00	0.28	145.22	---	---	---	---	---	---		---
MW-10		12/23/1994	167.01	16.08	0 25	151.12	---	---	---	---	---	---		---
MW-10		01/26/1995	167.01	13.68	0.80	153.93	---	---	---	---	---	---		---
MW-10		06/08/1995	167.01	19.08	0.75	148.49	---	---	---	---	---	---		---
MW-10		08/22/1995	167.01	20.73	0.70	146.81	---	---	---	---	---	---		---
MW-10		10/27/1995	167.01	21.69	0.63	145.79	---	---	---	---	---	---		---
MW-10		01/25/1996	167.01	15.05	0.81	152.57	---	---	---	---	---	---		---
MW-10		04/19/1996	167.01	16.26	0.58	151.19	---	---	---	---	---	---		---
MW-10		07/23/1996	167.01	20.18	0.62	147.30	---	---	---	---	---	---		---
MW-10		11/11/1996	167.01	21.20	0.20	145.96	---	---	---	---	---	---		---
MW-10		01/21/1997	167.01	13.66	0.14	153.46	---	---	---	---	---	---		---
MW-10		04/29/1997	167.01	18.71	0.21	148.46	---	---	---	---	---	---		---
MW-10		04/30/1997	167.01	---	---	---	170000	9700	38000	4700	30500	ND<5000		5.6
MW-10		08/21/1997	167.01	20.19	0.14	146.93	170000	9500	35000	4300	27100	ND<5000		5 3
MW-10		11/05/1997	167.01	20.52	0.02	146.51	80000	3800	12000	2700	15700	ND<500		4.4
MW-10		02/03/1998	167.01	10.62	0.01	156.40	---	---	---	---	---	---		---
MW-10		02/04/1998	---	---	---	---	72000	500	1300	1700	12000	ND<1000		5 1
MW-10		05/28/1998	167.01	15.46	---	151.55	220000	3200	24000	5200	43000	ND<1000		4.8
MW-10		12/30/1998	167.01	16.65	---	150.36	110000	3500	14000	5800	50000	ND<50		---
MW-10		02/02/1999	167.01	14.58	---	152.43	74000	1000	2800	1000	26000	860		---
MW-10		05/10/1999	167.01	15.72	---	151.29	81000	2800	2800	3000	17000	220		---
MW-10		08/24/1999	167.01	19.85	---	147.16	54000	3500	3800	1500	9100	ND<250		---
MW-10		11/03/1999	167.01	20.00	---	147.01	30000	3000	3500	1200	5000	31		---
MW-10		03/01/2000	167.01	14.62	---	152.39	62000	320	1200	1100	26000	4400		---
MW-10		04/21/2000	167.01	15.46	---	151.55	88000	2700	7400	3700	35000	2400		---
MW-10	(e)	07/31/2000	167.01	---	---	---	---	---	---	---	---	---		---
MW-10		11/20/2000	167.01	18.74	---	148.27	78000	3800	5500	2800	13000	450		---
MW-10		02/18/2001	167.01	14.10	---	152.91	39000	1050	1160	1550	14700	4180		---
MW-10		06/07/2001	167.01	18.78	---	148.23	76000	2460	2840	3330	20700	635		---
MW-10		09/05/2001	167.01	21.40	0.01	145.62	25000	2510	2070	1090	4540	189		---
MW-10		11/30/2001	167.01	18.50	---	148.51	100000	2480	5720	3890	22800	325		---

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WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)		GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-10		02/20/2002	167.01	14.39	---	152.62		49000	2170	3070	1960	12300	1090	---
MW-10		06/20/2002	167.01	18.80	---	148.21		44000	2040	3050	1690	8430	224	---
MW-10		09/11/2002	167.01	20.52	---	146.49		28000	1200	2700	1400	6800	ND<250	---
MW-10	(j)	11/12/2002	167.01	20.37	0.07	146.64		---	---	---	---	---	---	---
MW-10	(j,n)	01/29/2003	167.01	16.33	0.03	150.68		---	---	---	---	---	---	---
MW-10		05/22/2003	167.01	16.32	SHEEN	150.69		13000	2100	850	630	1600	300	---
MW-10	(o)	06/24/2003	167.01	18.73	0.04	148.28		---	---	---	---	---	---	---
MW-10	(j)	07/28/2003	167.01	20.39	0.04	146.62		---	---	---	---	---	---	---
MW-10	(o)	08/12/2003	167.01	20.43	SHEEN	146.58		---	---	---	---	---	---	---
MW-10	(o)	09/12/2003	167.01	20.41	---	146.60		---	---	---	---	---	---	---
MW-10	(o,p)	10/03/2003	167.01	20.25	---	146.76		---	---	---	---	---	---	---
MW-10		11/18/2003	167.01	19.55	SHEEN	147.46	(r)	13000	2200	530	320	860	ND<50	---
MW-10		12/31/2003	167.01	16.20	---	150.81		---	---	---	---	---	---	---
MW-10		02/02/2004	167.01	16.19	---	150.82		---	---	---	---	---	---	---
MW-10		**02/23/2004**	**167.01**	**15.45**	**SHEEN**	**151.56**		**46000**	**1900**	**2000**	**1800**	**9000**	**180**	---
MW-10		**03/18/2004**	**167.01**	**15.31**	**---**	**151.70**		**---**	**---**	**---**	**---**	**---**	**---**	---

Table 1
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Former BP Service Station #11132
3201 35th Avenue, Oakland, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
RW-1		07/09/1990	168.01	—	1.21	—	—	—	—	—	—	—		—
RW-1		12/21/1990	168.01	—	0.01	—	—	—	—	—	—	—		—
RW-1		03/07/1991	168.01	17.62	SHEEN	150.39	—	—	—	—	—	—		—
RW-1		06/27/1991	168.01	—	0.04	—	—	—	—	—	—	—		—
RW-1		09/27/1991	168.01	—	0.02	—	—	—	—	—	—	—		—
RW-1		12/18/1991	168.01	—	0.02	—	—	—	—	—	—	—		—
RW-1		04/01/1991	168.01	14.40	0.11	153.69	—	—	—	—	—	—		—
RW-1		07/03/1992	168.01	20.66	SHEEN	147.35	—	—	—	—	—	—		—
RW-1		10/05/1992	168.01	23.34	0.08	144.73	—	—	—	—	—	—		—
RW-1		01/13/1993	168.01	16.59	0.05	151.46	—	—	—	—	—	—		—
RW-1		04/23/1993	168.01	16.17	0.18	151.98	—	—	—	—	—	—		—
RW-1		07/12/1993	168.01	20.18	0.06	147.88	—	—	—	—	—	—		—
RW-1		10/21/1993	168.01	25.70	0.56	142.73	—	—	—	—	—	—		—
RW-1		01/21/1994	168.01	21.24	0.40	147.07	—	—	—	—	—	—		—
RW-1		04/20/1994	168.01	32.20	—	135.81	—	—	—	—	—	—		—
RW-1		08/01/1994	168.01	21.70	—	146.31	29000	580	950	300	7800	1200	(d)	1.1
RW-1		12/23/1994	168.01	16.02	—	151.99	1300	25	8.6	1.4	69	616	(i)	1.8
RW-1		01/26/1995	168.01	13.78	—	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—
QC-1	(c)	01/26/1995	—	—	—	—	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	—		—
RW-1		06/08/1995	168.01	20.05	—	147.96	1300	130	ND<1.0	ND<1.0	36	—		—
RW-1		08/22/1995	168.01	21.74	—	146.27	3300	230	13	4.9	280	ND<25	(d)	6.6
QC-1	(c)	08/22/1995	—	—	—	—	2800	210	9.3	4.3	250	ND<25	(d)	—
RW-1		10/27/1995	168.01	32.00	—	136.01	—	—	—	—	—	—		—
RW-1		10/30/1995	168.01	—	—	—	230	1.4	ND<1.0	ND<1.0	ND<2.0	650		6 9
QC-1	(c)	10/30/1995	—	—	—	—	240	1.6	ND<1.0	ND<1.0	ND<2.0	630		—
RW-1		01/25/1996	168.01	15.41	—	152.60	15000	3400	930	330	2500	5300		—
RW-1		04/19/1996	168.01	16.83	—	151.18	35000	5500	3300	1700	9400	14000		7.6
QC-1	(c)	04/19/1996	—	—	—	—	33000	5600	3200	1700	8800	15000		—
RW-1		07/23/1996	168.01	20.76	—	147.25	46000	3600	2300	900	5100	36000		7.4
QC-1	(c)	07/23/1996	—	—	—	—	47000	3700	2500	930	5300	35000		—
RW-1		11/11/1996	168.01	21.73	—	146.28	34000	3000	1200	880	4600	22000		8.3
QC-1	(c)	11/11/1996	—	—	—	—	31000	2900	1000	860	4600	22000		—
RW-1		01/21/1997	168.01	14.20	—	153.81	260	40	16	2.7	34	1500		6.1
QC-1	(c)	01/21/1997	—	—	—	—	270	42	17	2.7	36	1500		—
RW-1		04/29/1997	168.01	19.15	—	148.86	32000	3100	590	1300	6000	46000		5.3
RW-1		08/21/1997	168.01	20.67	—	147.34	7600	730	58	370	1780	9500		4.7
RW-1		11/05/1997	168.01	21.01	—	147.00	39000	2300	86	1300	3840	56000		4.5
RW-1		02/03/1998	168.01	10.68	—	157.33	3400	31	11	29	161	3200		5.1
RW-1		05/28/1998	168.01	15.55	—	152.46	2000	90	15	60	305	2700		4.3
RW-1		12/30/1998	168.01	17.35	—	150.66	—	—	—	—	—	—		—
RW-1		02/02/1999	168.01	14.58	—	153.43	82000	2300	120	2000	3200	51000/78000	(g)	—
RW-1		05/10/1999	168.01	16.00	—	152.01	15000	620	88	340	660	61000		—
RW-1		08/24/1999	168.01	20.00	—	148.01	52000	1400	170	2200	2900	37000		—
RW-1		11/03/1999	168.01	20.39	—	147.62	17000	2500	86	1500	970	54000		—

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)		PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	GRO/ TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
RW-1		03/01/2000	168.01	12.97		—	155.04	17000	580	78	790	1100	13000		---
RW-1		04/21/2000	168 01	16.02		---	151.99	31000	2100	100	1400	1100	39000		---
RW-1		07/31/2000	168.01	21.89		—	146.12	47000	1300	170	2700	2300	30000		---
RW-1	(h)	11/20/2000	168.01	19.15		—	148.86	—	—	—	—	—	—		---
RW-1		02/18/2001	168.01	15.35		---	152.66	14000	589	89	600	712	13000		—
RW-1		06/07/2001	168.01	19.09		—	148.92	28000	1140	68.2	504	530	19100		---
RW-1	(j)	09/05/2001	168.01	22.06		0.02	145.97	---	---	—	—	—	---		—
RW-1		11/30/2001	168.01	19.53		---	148.48	20000	405	39.4	545	740	8260		---
RW-1		02/20/2002	168.01	15.99		—	152.02	13000	469	29	434	655	7240		—
RW-1	(j)	06/20/2002	168.01	19.31	(l)	---	---	—	---	---	---	—	---		---
RW-1	(j)	09/11/2002	168.01	21.07		0.03	146.96	---	—	—	—	---	---		---
RW-1	(j)	11/12/2002	168 01	20.92		0.02	147.11	—	---	---	---	—	—		---
RW-1	(j,n)	01/29/2003	168.01	16.31		0.04	151.73	---	—	—	—	---	---		—
RW-1	(j)	05/22/2003	168.01	16.68		SHEEN	151.33	—	—	—	—	---	---		—
RW-1	(o)	06/24/2003	168.01	19.76		0.07	148.30	---	---	---	—	---	---		---
RW-1	(j)	07/28/2003	168.01	21.04		0.04	147.00	---	—	—	—	---	---		—
RW-1	(o)	08/12/2003	168.01	21.41		SHEEN	146.60	—	---	---	—	—	---		---
RW-1	(o)	09/12/2003	168.01	21.10		0.07	146.96	---	---	—	—	---	---		—
RW-1	(o,p)	10/03/2003	168.01	21.90		0.03	146.13	—	—	---	—	—	—		---
RW-1		11/18/2003	168.01	20.10		SHEEN	147.91	12000	770	ND<50	320	250	6100		---
RW-1		12/31/2003	168.01	15.85		SHEEN	152.16	---	---	—	—	—	---		---
RW-1		02/02/2004	168.01	16.87		—	151.14	---	---	—	—	---	---		---
RW-1		**02/23/2004**	**168.01**	**14.35**		**0.01**	**153.66**	—	---	---	---	---	—		---
RW-1		**03/18/2004**	**168.01**	**16.12**		**0.09**	**151.89**	—	—	---	---	---	—		---
QC-2	(f)	10/05/1992	—	—		—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		---
QC-2	(f)	01/13/1993	---	—		—	---	ND<50	ND<0 5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-2	(f)	04/23/1993	—	—		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0 5	---	(i)	---
QC-2	(f)	07/12/1993	—	—		—	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	10/21/1993	---	—		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	01/21/1994	—	---		—	---	ND<50	ND<0.5	2.1	ND<0.5	2.1	---		---
QC-2	(f)	04/20/1994	---	—		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	04/20/1994	—	—		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—
QC-2	(f)	12/23/1994	—	---		—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		---
QC-2	(f)	01/26/1995	---	—		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		---
QC-2	(f)	06/08/1995	—	—		---	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—		—
QC-2	(f)	08/22/1995	---	—		---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	---
QC-2	(f)	10/30/1995	—	—		---	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		—
QC-2	(f)	01/25/1996	---	---		—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---
QC-2	(f)	04/19/1996	---	—		---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---

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

ABBREVIATIONS:

GRO	Gasoline Range Organics, C6-C10
TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
---	Not analyzed/available/applicable/measurable
ND<	Not detected at or above reported detection limit
NM	Not measured

NOTES:

(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

Note: Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Source: The data within this table collected prior to June, 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Fuel Oxygenate Analytical Data

Former BP Service Station 11132
3201 35th Avenue
Oakland, California

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)
MW-2	01/29/03	ND<4000	ND<2000	820	ND<50	ND<50	ND<50	ND<50	ND<50
	05/22/03	ND<10000	ND<2000	1000	ND<50	ND<50	ND<50	NA	NA
	07/28/03	ND<20000	ND<4000 [1]	1700	ND<100	ND<100	ND<100	ND<100	ND<100
	11/18/03	ND<5000	ND<1000	500	ND<25	ND<25	ND<25	NA	NA
	02/23/04	**ND<25000**	**ND<5000**	**790**	**ND<120**	**ND<120**	**ND<120**	**ND<120**	**ND<120**
MW-3	01/29/03	ND<40	ND<20	0.76	ND<50	ND<50	ND<50	ND<50	ND<50
	02/23/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-4	01/29/03	ND<40	ND<20	66	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	02/23/04	**ND<100**	**ND<20**	**65**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-5	01/29/03	ND<400	ND<200	82	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5 0
	05/22/03	ND<10000	ND<2000	ND<50	ND<50	ND<50	ND<50	NA	NA
	07/28/03	ND<2000	ND<400	120	ND<10	ND<10	ND<10	ND<10	ND<10
	02/23/04	**ND<5000**	**ND<1000**	**100**	**ND<25**	**ND<25**	**ND<25**	**38**	**ND<25**
MW-8	01/29/03	ND<4000	ND<2000	360	ND<50	ND<50	ND<50	ND<50	ND<50
	05/22/03	ND<5000	ND<1000	46	ND<25	ND<25	ND<25	NA	NA
	07/28/03	ND<20000	ND<4000	2100	ND<100	ND<100	ND<100	ND<100	ND<100
	11/18/03	ND<2,000 [2]	ND<400 [1]	1700	ND<10	ND<10	20	NA	NA
	02/23/04	**ND<10000**	**ND<2000**	**110**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**ND<50**
MW-9	05/22/03	ND<10000	ND<2000	ND<50	ND<50	ND<50	ND<50	NA	NA
	07/28/03	ND<100000	ND<20000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
	11/18/03	ND<2,000 [2]	ND<400 [1]	45	ND<10	ND<10	ND<10	NA	NA
	02/23/04	**ND<50000**	**ND<10000**	**ND<250**	**ND<250**	**ND<250**	**ND<250**	**ND<250**	**ND<250**
MW-10	05/22/03	ND<10000	ND<2000	300	ND<50	ND<50	ND<50	NA	NA
	11/18/03	ND<10,000 [2]	ND<2000	ND<50	ND<50	ND<50	ND<50	NA	NA
	02/23/04	**ND<20000**	**ND<4000**	**180**	**ND<100**	**ND<100**	**ND<100**	**ND<100**	**ND<100**
RW-1	11/18/03	ND<10,000 [2]	11000 [1]	6100	ND<50	ND<50	160	NA	NA

Notes:
All fuel oxygenate compounds analyzed using EPA Method 8260B

1,2 DCA	= 1,2 Dichloroethane
DIPE	= Di-isopropyl ether
EDB	= 1,2 Dibromoethane
ETBE	= Ethyl tert butyl ether
MTBE	= Methyl tert-butyl ether
NA	= Data not available, not analyzed, or not applicable
ND<	= Not detected at or above the laboratory reporting limit
NS	= Not Sampled
TAME	= tert-Amyl methyl ether
TBA	= tert-Butyl alcohol
µg/L	= micrograms per liter

1 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria

2 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.

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)	PRODUCT REMOVED CUMULATIVE (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)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-1	12/06/2001	0.27	0.04	34.91
MW-1	02/20/2002	0.15	0.02	34.93
MW-1	06/20/2002	0.34	0.07	35.00
MW-1	09/11/2002	0.40	0.06	35.06
MW-1	11/12/2002	0.37	0.06	35.12
MW-1	01/29/2003	0.30	0.32	35.44
MW-1	05/22/2003	0.20	0.14	35.58
MW-1	06/24/2003	0.35	0.07	35.65
MW-1	07/28/2003	0.35	0.08	35.66
MW-1	08/12/2003	0.23	0.04	35.70
MW-1	09/12/2003	0.24	0.04	35.74
MW-1	10/03/2003	0.23	0.04	35.78
MW-1	11/18/2003	0.25	0.04	35.82
MW-1	12/31/2003	0.15	0.02	35.84
MW-1	**02/02/2004**	**0.15**	**0.02**	**35.86**
MW-1	**02/23/2004**	**0.09**	**0.03**	**35.89**
MW-1	**03/18/2004**	**0.09**	**0.013**	**36.12**
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-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	0.002	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-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

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)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-10	07/28/2003	0.04	0.02	11.00
MW-10	08/12/2003	<0 01 (SHEEN)	--	11.00
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**
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**
		Free Product Removed this Quarter =		**0.18**
		Total Free Product =		**50.32**

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.

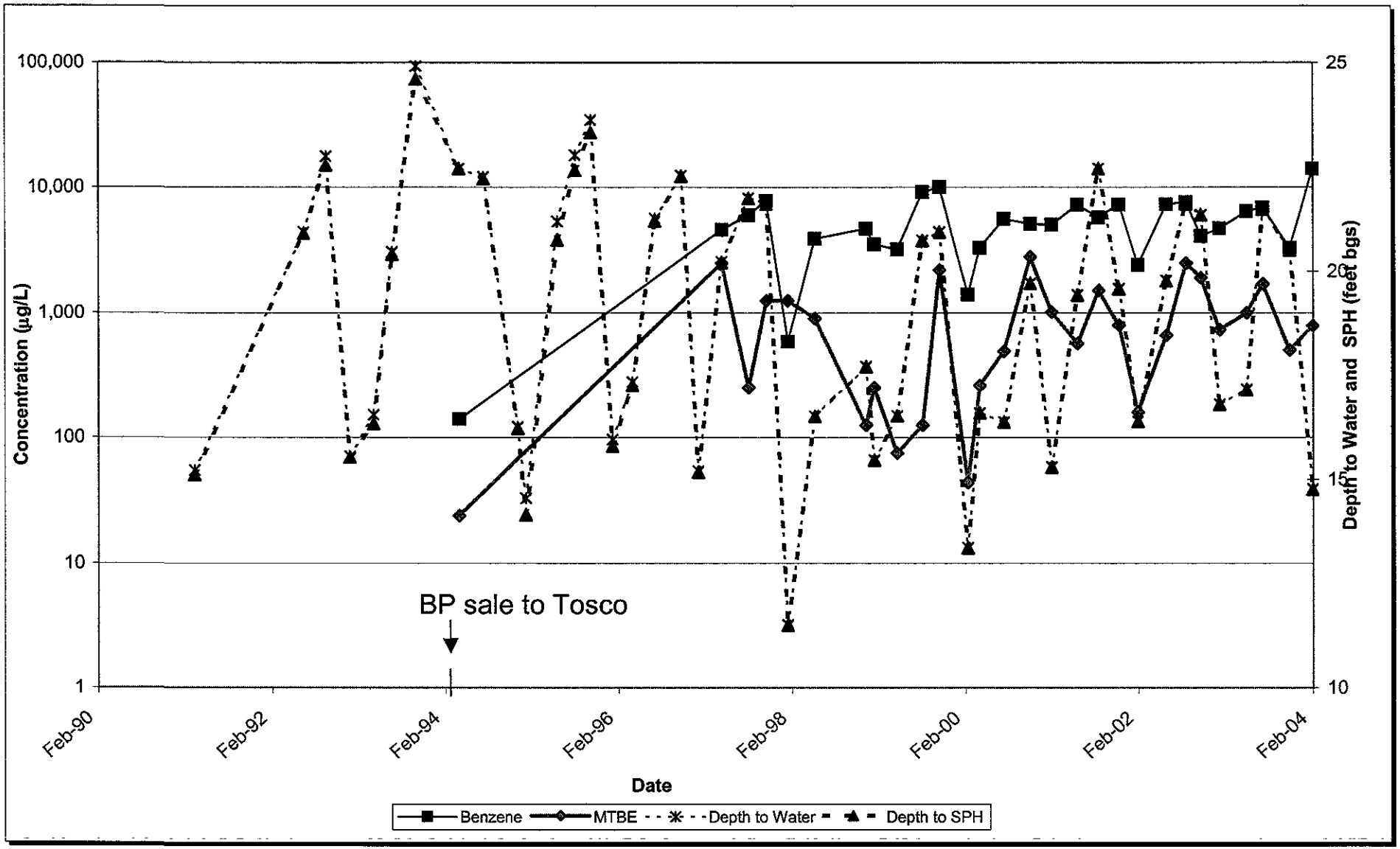
*** Data prior to 1998 is incomplete, and amounts removed are estimates based on quarter reports from the previous consultants.

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

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS

Concentration and Water Elevation Trends
(MW-2)

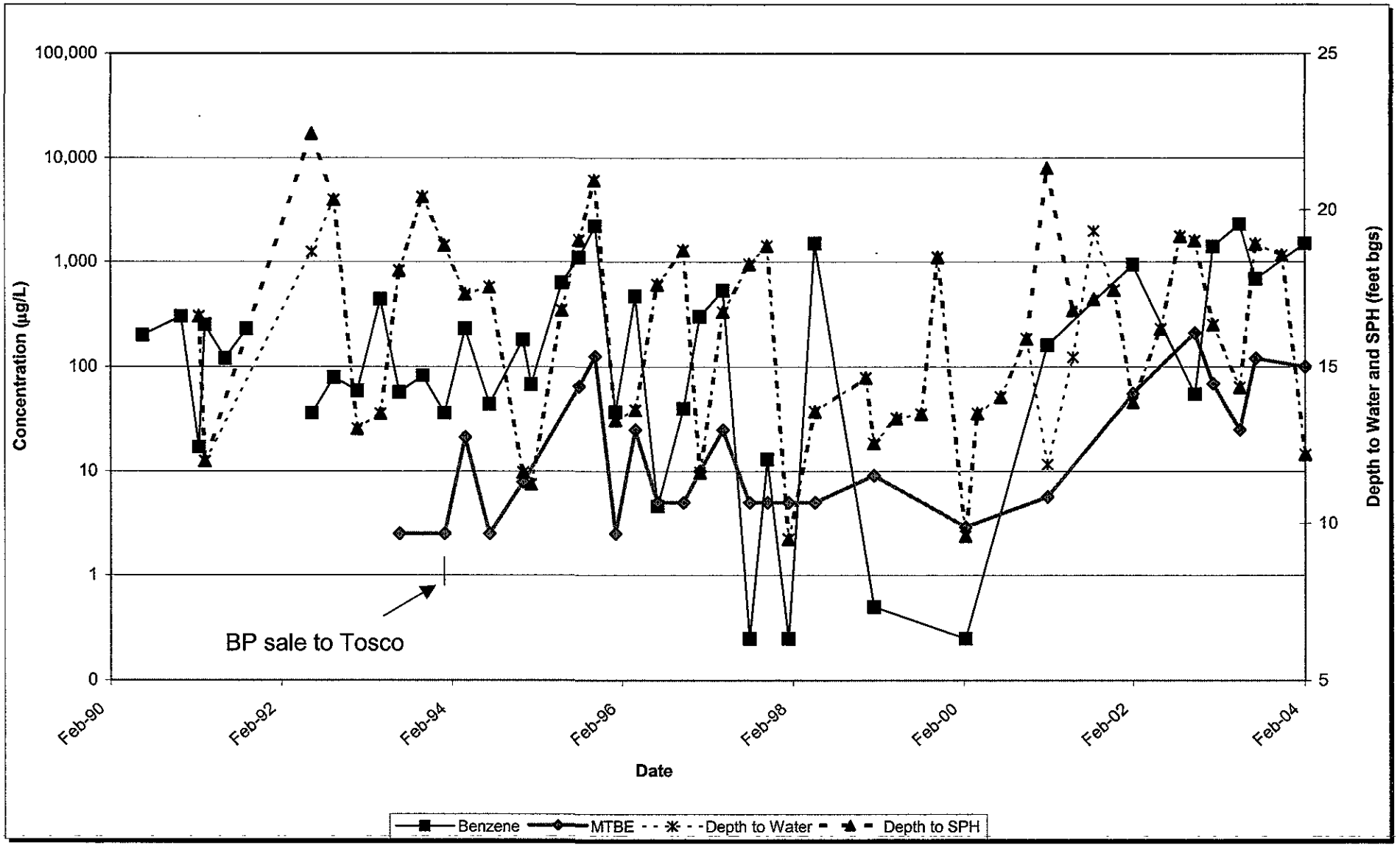


X:\X_ENV_WASTE\BP GEM\SITES\LNILES SITES\11132\
REPORTS\MONITORING\QTR.1, 2004\TABLES\11132 GWT 1Q04.XLS\02/26/2004

Former BP Service Station #11132
3201 35th Avenue, Oakland, CA

Graph 1

Concentration and Water Elevation Trends
(MW-5)

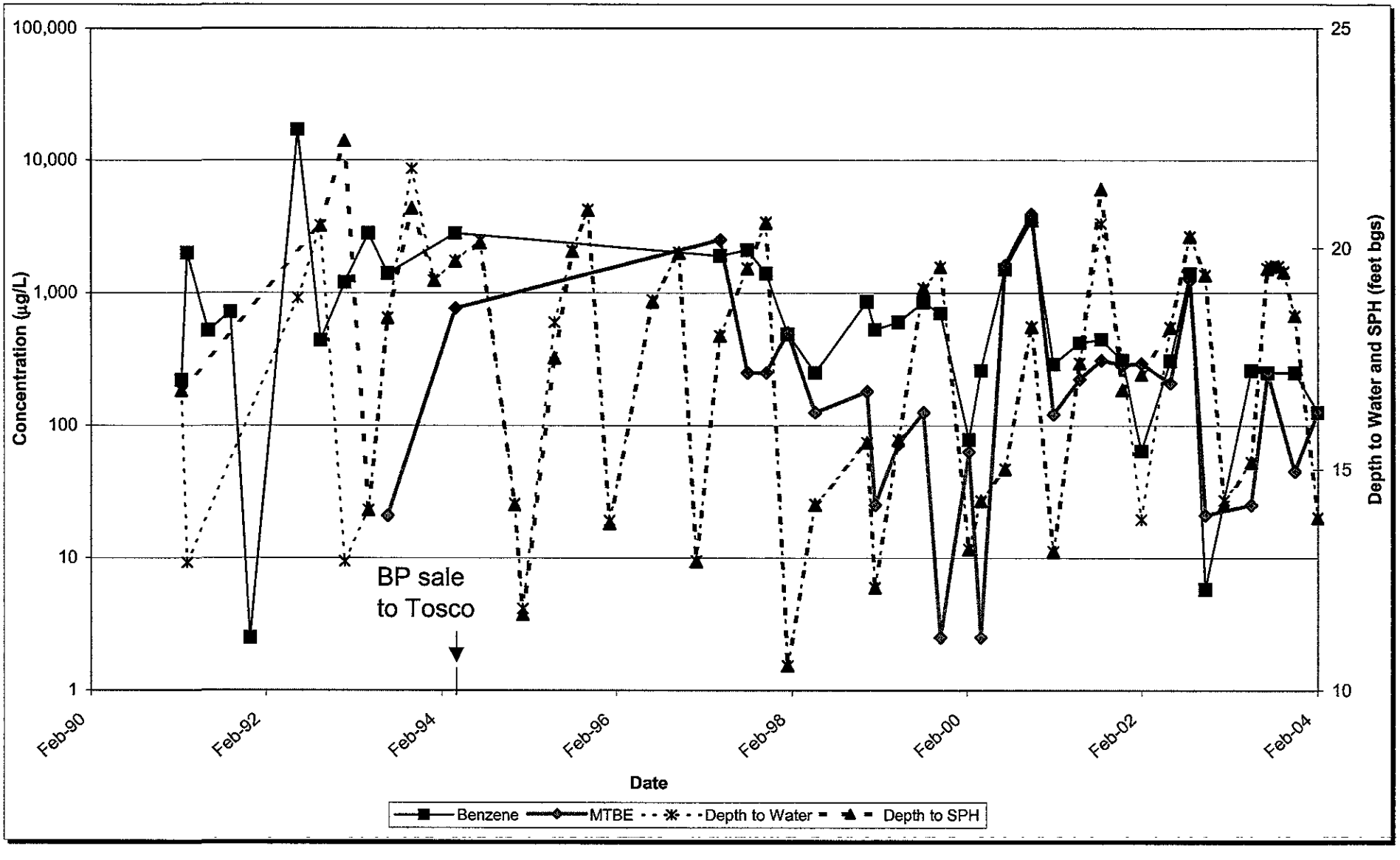


X:\X_ENV_WASTE\BP GEM\SITES\LNILES SITES\11132\
REPORTS\MONITORING\QTR.1, 2004\TABLES\11132 GWT 1Q04.XLS\02/26/2004

Former BP Service Station #11132
3201 35th Avenue, Oakland, CA

Graph 2

Concentration and Water Elevation Trends
(MW-9)



X:\X_ENV_WASTE\BP GEM\SITES\LNILES SITES\11132\
REPORTS\MONITORING\QTR.1, 2004\TABLES\11132 GWT 1Q04.XLS\02/26/2004

Former BP Service Station #11132
3201 35th Avenue, Oakland, CA

Graph 3

ATTACHMENT B

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ 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 # 040318-MD3 Date 3/18/04 Client ~~State~~ 11132

Site 3201 35th Ave., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	S/O	16.97	.09	50 ml	17.06	—		
MW-8	2					14.00	33.95		
MW-9	2					19.24	29.20		
MW-10	2					15.31	34.25		
RW-1	6"	S/O	16.03	0.09	(1) 440 ml	16.12	—		
		(1) SPH very thick it may affect							
		reading on interface probe.							
		check 3 times							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040318-MD3	Station # 11132
Sampler: John DeJong	Date: 3/18/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water: 17.06
Depth to Free Product: 16.97	Thickness of Free Product (feet): 0.09
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	radius² * 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 ________ = ________ Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Bailed	~~40~~ 50 ml		BE 6ppH.	

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: Pace Sequoia Other ________

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 040318-MD3	Station # 11132
Sampler: John DeJong	Date: 3/18/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.95	Depth to Water: 14.00
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	radius² * 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.

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

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: TPH-G BTEX MTBE TPH-D 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 #: 040318-MD3	Station # 11132
Sampler: John DeJong	Date: 3/18/04
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.20	Depth to Water: 14.24
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^2 * 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.

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

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

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 040318-MD3	Station # 11132
Sampler: John DeJong	Date: 3/18/04
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.25	Depth to Water: 15.31
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^2 * 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	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

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

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 040318-MD3	Station # 11132
Sampler: John DeJong	Date: 3/18/04
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth:	Depth to Water: 16.12
Depth to Free Product: 16.03	Thickness of Free Product (feet): .09
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^2 * 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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Bailed 4440 ml				Sptt - very
	Black & thick				

Did well dewater? Yes No		Gallons actually evacuated:		
Sampling Time:		Sampling Date:		
Sample I.D.:		Laboratory: Pace Sequoia Other_____		
Analyzed for: TPH-G BTEX MTBE TPH-D 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

WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 3/18/04

Site Address 3201 35th Ave., Oakland

Job Number 040318-MD3 Technician John DeLong

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	X							
MW-8	X							
MW-9	X							
MW-10	X							
RW-1							X	

NOTES:

WELL GAUGING DATA

Project # 020223-MD1 Date 2/23/04 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	
MW-1	2		16.25	.09	~100 ~~200~~	16.34	—		
MW-2	2					14.77	31.61		
* MW-3	2					13.53	34.94		
* MW-4	2					17.53	39.79		
* MW-5	2	odor				12.21	31.82		
MW-6	2					11.54	34.50		
MW-7	2	odor				15.92	34.30		
MW-8	2		No SPH detected			12.82	34.00		
MW-9	2		No SPH detected			13.91	29.21		
MW-10	2	heavy sheen	No SPH detected			15.45	34.26		
RW-1	6	heavy Black sheen	14.34	.01	~2	14.35	—		
	*	water	pressure → let set 5 min						

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040223-MD1	Station # 11132
Sampler: John DeJong	Date: 2/23/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water: 16.34
Depth to Free Product: 16.25	Thickness of Free Product (feet): .09
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	$radius^2 * 0.163$

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 ________ = ________ Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
bailed ~~[illegible]~~ soft from well					
~~[illegible]~~ 100 ml					

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date: 2/23/04
Sample I.D.:	Laboratory: Pace (Sequoia) Other ________
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: oxys, ethanol (8260)
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 #: 040223-MD1	Station # 11132
Sampler: Johnathon	Date: 2/23/04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 31.61	Depth to Water: 14.77
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^2 * 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.

2.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1201	68.5	6.7	1814	2.7	clear, sheen, odor
1203	69.3	6.7	1808	5.9	"
1205	69.2	6.6	1849	8.1	clear, sheen, odor

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1210 Sampling Date: 2/23/04

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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

Non Preserved VOAs

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040223-MD1	Station # 11132
Sampler: John DeLong	Date: 2/23/04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.44	Depth to Water: 13.53
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^2 * 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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
919	67.9	6.2	470	3.3	cloudy, grey
924	67.0	6.5	470	6.6	"
928	68.2	6.7	510	9.9	cloudy, grey

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Time: 935 Sampling Date: 2/23/04

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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 #: 040223-MD1	Station # 11132
Sampler: John Petrony	Date: 2/23/04
Well I.D.: MW-4	Well Diameter: ② 3 4 6 8 ____
Total Well Depth: 39.79	Depth to Water: 17.53
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	radius² * 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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
945	67.6	6.9	711	3.6	cloudy, tan
949	67.8	6.8	711	7.2	"
953	68.1	6.8	703	10.8	

Did well dewater? Yes (No) Gallons actually evacuated: 10.8

Sampling Time: 1000 Sampling Date: 2/23/04

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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 #: 040223-MD1	Station # 11132
Sampler: John Delong	Date: 2/23/04
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 31.82	Depth to Water: 12.21
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	radius² * 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.

3.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1009	67.5	6.7	1694	3.1	clear, slight odor
1011	67.8	6.7	1683	6.2	"
1014	67.9	6.7	1672	9.3	clear, odor

Did well dewater? Yes (No) Gallons actually evacuated: 9.3

Sampling Time: 1020 Sampling Date: 2/23/04

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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 #: 040223-MD1	Station # 11132
Sampler: John Delong	Date: 2/23/04
Well I.D.: MW8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.00	Depth to Water: 12.82
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	radius² * 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.

3.4 (1 Case Volume (Gals.)) x 3 ~~10.2~~ (Specified Volumes) = 10.2 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
~~1031~~ 1032	65.3	6.7	1467	3.4	grey, turbid, sheen, odor
1035	65.8	6.6	1471	6.8	"
1039	65.9	6.6	1490	10.2	grey, odor, sheen

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Time: 1045 Sampling Date: 2/23/04

Sample I.D.: MW-8 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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

2 Sample may have product in it Non Preserved vials

Heavy sheen with small globules of soil

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040223-MD1	Station # 11132
Sampler: John Dadoun	Date: 2/23/04
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.21	Depth to Water: 13.91
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	radius² * 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.

2.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1105	67.7	7.1	1223	2.4	sheen, odor
1107	68.5	6.9	1225	4.8	"
1109	68.6	6.8	1221	7.2	sheen, odor, grey

Did well dewater? Yes (No)		Gallons actually evacuated: 7.2	
Sampling Time: 1120		Sampling Date: 2/23/04	
Sample I.D.: MW-9		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: oxys, ethanol (8260)		
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

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

* Sample May have product in it
Heavy sheen with small globules of soil

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040223-MD1	Station # 11132
Sampler: John D'Agostini	Date: 2/23/04
Well I.D.: MW-10	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 34.26	Depth to Water: 15.45
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	radius² * 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.

3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1134	66.4	6.9	1332	3	cloudy, grey, odor, sheen
1136	66.3	6.7	1320	6	"
1139	66.0	6.7	1306	9	cloudy, grey, odor, sheen

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1150 Sampling Date: 2/23/04

Sample I.D.: MW-10 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxys, ethanol (8260)

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

* Sample may have Product in it

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040223-MD1	Station # 11132
Sampler: John DeJong	Date: 2/23/04
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth:	Depth to Water: 14.35
Depth to Free Product: 14.34	Thickness of Free Product (feet): .01
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	radius² * 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 ______ = ______ Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
	Bailed		w 20	ml SPH	Empty well

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date: 2/23/04
Sample I.D.:	Laboratory: Pace (Sequoia) Other______
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: oxys ethanol (8260)
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 #

3201 35th Ave, Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

63

added equip. rinse water 2

any other adjustments

TOTAL GALS. RECOVERED 65

loaded onto BTS vehicle #

BTS event #	time	date
040223-MD1	1300	2/23/04

signature

* *

REC'D AT	time	date
Blaine Tech Service	1630	2/23/04

unloaded by signature

WELL GAUGING DATA

Project # 040202-552 Date 2/2/04 Client ARCO/BP 11132

Site 3201 35th 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	ODOR	18.05	.15	97.5	18.20	—		5
MW-8	2		NO FP	DETECTED		14.59	—		2
MW-9	2		↓			14.40	—		3
MW-10	2		↓			16.19	—		4
RW-1	6		NO FP	DETECTED		16.87	—	↓	1

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040202.552	Station # 11132
Sampler: SCOTT	Date: 2/2/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ———	Depth to Water: 18.20
Depth to Free Product: 18.05	Thickness of Free Product (feet): .15
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^2 * 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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
BAILED	APPROX. ~~+5~~ 15		97.5	ml SPH	+ 1gal H2O.

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: Pace Sequoia Other ___

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 040202-551	Station # 1132
Sampler: Scott	Date: 2/2/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ———	Depth to Water: 14.59
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^2 * 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.

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

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: TPH-G BTEX MTBE TPH-D 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 #: 040202-SS2	Station # 11132
Sampler: SOOCH	Date: 2/2/04
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ___	Depth to Water: 14.40
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^2 * 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.

___ (1 Case Volume (Gals.)) X ___ (Specified Volumes) = ___ Gals. (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: TPH-G BTEX MTBE TPH-D		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 #: 040202-551	Station # 1132
Sampler: GROCK	Date: 2/2/04
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ———	Depth to Water: 16.19
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^2 * 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.

____ (1 Case Volume (Gals.)) X ____ (Specified Volumes) = ____ Gals. (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: TPH-G BTEX MTBE TPH-D 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 #: 040202-SS2	Station # 11132
Sampler: Scott	Date: 2/2/04
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: ———	Depth to Water: 16.87
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^2 * 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.

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

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

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace / Sequoia Other ___	
Analyzed for: TPH-G BTEX MTBE TPH-D 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

REPAIR DATA SHEET

Client BP/ARCO #11132 Date Jan 20/2004

Site Address 3201 35TH AVE. Oakland Ca.

Job Number 020020-1113 Technician Mike Lockard

Repair Location MW-9	Repair Location MW-7
Deficiencies Corrected REPLACED annular SEAL	Deficiencies Corrected EXTENDED CASING (+.47') & REPLACED ground SEAL
Materials Used 1/4 Bag of Concrete	Materials Used 1/4 Bag of Concrete 1-2" coupler
Repair Location	Repair Location
Deficiencies Corrected	Deficiencies Corrected
Materials Used	Materials Used
Repair Location	Repair Location
Deficiencies Corrected	Deficiencies Corrected
Materials Used	Materials Used

REPAIR DATA SHEET

Client: BP/ARCO #11132   Date: Jan 20 2004

Site Address: 3201 35th AVE. Oakland Ca.

Job Number: 040120-MW3   Technician: Mike Coshel

Repair Location: MW-9

Deficiencies Corrected: REPLACED annular seal

Materials Used: 1/4 Bag of Concrete

Repair Location: MW-7

Deficiencies Corrected: EXTENDED Casing (+ .47') & REPLACED ground seal

Materials Used: 1/4 Bag of Concrete 1-2" coupler

Repair Location

Deficiencies Corrected

Materials Used

Repair Location

Deficiencies Corrected

Materials Used

Repair Location

Deficiencies Corrected

Materials Used

Repair Location

Deficiencies Corrected

Materials Used

WELL GAUGING DATA

Project # 031231-DA3 Date 12/31/03 Client 11132

Site 3201 35th 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	order
MW-1	2	O/S	18.05	0.15	91	18.20	—	TOC	5
MW-8	2		No SPH	detected		14.08	—		2
MW-9	2	O	No SPH	detected		14.45	—		3
MW-10	2		No SPH	detected		16.20	—		4
RW-1	~~6~~ 2	S/O	No SPH	det.		15.85	—	↓	1

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031231-DA3	Station # 11132
Sampler: DA	Date: 12/31/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: —	Depth to Water: 18.20
Depth to Free Product: 18.05	Thickness of Free Product (feet): 0.15
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^2 * 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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		bailed	91 ml SPH	+3g · H_2O	

Did well dewater? Yes No Gallons actually evacuated: 3

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 031231-DA3	Station # 11132
Sampler: DA	Date: 12/31/03
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: —	Depth to Water: 14.02
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^2 * 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.

_____ (1 Case Volume (Gals.)) x Bail SPH (Specified Volumes) = _____ Gals. (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: TPH-G BTEX MTBE TPH-D 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 #: 031231-DA3	Station # 11132
Sampler: DA	Date: 12/31/03
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: —	Depth to Water: 14.45
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	radius² * 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.

_____ (1 Case Volume (Gals.)) x Bail SPH (Specified Volumes) = _____ Gals. (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: TPH-G BTEX MTBE TPH-D 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 #: 031231-DA3	Station # 11132
Sampler: DA	Date: 12/31/03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: —	Depth to Water: 16.20
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	radius² * 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.

_____ (1 Case Volume (Gals.)) x Bail SPH (Specified Volumes) = _____ Gals. (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: TPH-G BTEX MTBE TPH-D 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 #: 031231-DA3	Station # 11132
Sampler: DA	Date: 12/31/03
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 15.55
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^2 * 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.

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

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: TPH-G BTEX MTBE TPH-D 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 C

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www sequoialabs.com

10 March, 2004

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

RE: BP Heritage #11132, Oakland, CA
Work Order: MNB0660

Enclosed are the results of analyses for samples received by the laboratory on 02/24/04 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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Morgan Hill, CA 95037
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FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MNB0660-01	Water	02/23/04 12:10	02/24/04 16:05
MW-3	MNB0660-02	Water	02/23/04 09:35	02/24/04 16:05
MW-4	MNB0660-03	Water	02/23/04 10:00	02/24/04 16:05
MW-5	MNB0660-04	Water	02/23/04 10:20	02/24/04 16:05
MW-8	MNB0660-05	Water	02/23/04 10:45	02/24/04 16:05
MW-9	MNB0660-06	Water	02/23/04 11:20	02/24/04 16:05
MW-10	MNB0660-07	Water	02/23/04 10:50	02/24/04 16:05

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MNB0660-01) Water	**Sampled: 02/23/04 12:10**	**Received: 02/24/04 16:05**							
Gasoline Range Organics	**84000**	12000	ug/l	250	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	25000	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5000	"	"	"	"	"	"	
Methyl tert-butyl ether	**790**	120	"	"	"	"	"	"	
Di-isopropyl ether	ND	120	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	120	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	120	"	"	"	"	"	"	
1,2-Dichloroethane	ND	120	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	120	"	"	"	"	"	"	
Benzene	**14000**	120	"	"	"	"	"	"	
Toluene	**6200**	120	"	"	"	"	"	"	
Ethylbenzene	**3100**	120	"	"	"	"	"	"	
Xylenes (total)	**14000**	120	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*78-129*		"	"	"	"	
MW-3 (MNB0660-02) Water	**Sampled: 02/23/04 09:35**	**Received: 02/24/04 16:05**							
Gasoline Range Organics	**160**	50	ug/l	1	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**1.1**	0.50	"	"	"	"	"	"	
Ethylbenzene	**9.6**	0.50	"	"	"	"	"	"	
Xylenes (total)	**12**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*78-129*		"	"	"	"	

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FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNB0660-03) Water Sampled: 02/23/04 10:00 Received: 02/24/04 16:05									
Gasoline Range Organics	**75**	50	ug/l	1	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**65**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*78-129*		"	"	"	"	
MW-5 (MNB0660-04) Water Sampled: 02/23/04 10:20 Received: 02/24/04 16:05									
Gasoline Range Organics	**7500**	2500	ug/l	50	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	5000	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**100**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	**38**	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	**1500**	25	"	"	"	"	"	"	
Toluene	**100**	25	"	"	"	"	"	"	
Ethylbenzene	**190**	25	"	"	"	"	"	"	
Xylenes (total)	**350**	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

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www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNB0660-05) Water	**Sampled: 02/23/04 10:45**	**Received: 02/24/04 16:05**							
Gasoline Range Organics	**32000**	5000	ug/l	100	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	10000	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
Benzene	**840**	50	"	"	"	"	"	"	
Toluene	**360**	50	"	"	"	"	"	"	
Ethylbenzene	**1000**	50	"	"	"	"	"	"	
Xylenes (total)	**7100**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*78-129*		"	"	"	"	
MW-9 (MNB0660-06) Water	**Sampled: 02/23/04 11:20**	**Received: 02/24/04 16:05**							
Gasoline Range Organics	**91000**	25000	ug/l	500	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	50000	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
Benzene	ND	250	"	"	"	"	"	"	
Toluene	**440**	250	"	"	"	"	"	"	
Ethylbenzene	**2200**	250	"	"	"	"	"	"	
Xylenes (total)	**13000**	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.8 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MNB0660-07) Water	**Sampled: 02/23/04 10:50**	**Received: 02/24/04 16:05**							
Gasoline Range Organics	**46000**	10000	ug/l	200	4C04030	03/04/04	03/04/04	EPA 8260B	
Ethanol	ND	20000	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Methyl tert-butyl ether	**180**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
Benzene	**1900**	100	"	"	"	"	"	"	
Toluene	**2000**	100	"	"	"	"	"	"	
Ethylbenzene	**1800**	100	"	"	"	"	"	"	
Xylenes (total)	**9000**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

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www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C04030 - EPA 5030B Modified										
Blank (4C04030-BLK1)				Prepared & Analyzed: 03/04/04						
Gasoline Range Organics	ND	50	ug/l							
Ethanol	ND	100	"							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.08*		"	*5.00*		*102*	*78-129*			
Laboratory Control Sample (4C04030-BS1)				Prepared & Analyzed: 03/04/04						
Ethanol	170	100	ug/l	200		85.0	31-143			
tert-Butyl alcohol	37.6	20	"	50.0		75.2	56-131			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	63-137			
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130			
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	81-121			
tert-Amyl methyl ether	9.70	0.50	"	10.0		97.0	82-140			
1,2-Dichloroethane	9.34	0.50	"	10.0		93.4	77-136			
1,2-Dibromoethane (EDB)	9.56	0.50	"	10.0		95.6	77-132			
Benzene	9.83	0.50	"	10.0		98.3	78-124			
Toluene	10.1	0.50	"	10.0		101	78-129			
Ethylbenzene	9.48	0.50	"	10.0		94.8	84-117			
Xylenes (total)	30.3	0.50	"	30.0		101	83-125			
Surrogate: 1,2-Dichloroethane-d4	*5.08*		"	*5.00*		*102*	*78-129*			

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C04030 - EPA 5030B Modified										
Laboratory Control Sample (4C04030-BS2)				Prepared & Analyzed: 03/04/04						
Gasoline Range Organics	521	50	ug/l	440		118	70-113			Q-LIM
Methyl tert-butyl ether	10.0	0.50	"	10.1		99.0	63-137			
Benzene	5.84	0.50	"	6.48		90.1	78-124			
Toluene	36.7	0.50	"	29.7		124	78-129			
Ethylbenzene	8.03	0.50	"	7.20		112	84-117			
Xylenes (total)	41.8	0.50	"	33.7		124	83-125			
Surrogate: 1,2-Dichloroethane-d4	*5.17*		"	*5.00*		*103*	*78-129*			
Laboratory Control Sample Dup (4C04030-BSD1)				Prepared: 03/04/04 Analyzed: 03/05/04						
Ethanol	205	100	ug/l	200		102	31-143	18.7	20	
tert-Butyl alcohol	42.8	20	"	50.0		85.6	56-131	12.9	20	
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	63-137	0.00	13	
Di-isopropyl ether	10.3	0.50	"	10.0		103	76-130	1.96	9	
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	81-121	1.92	9	
tert-Amyl methyl ether	9.32	0.50	"	10.0		93.2	82-140	4.00	12	
1,2-Dichloroethane	9.37	0.50	"	10.0		93.7	77-136	0.321	13	
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	77-132	5.49	9	
Benzene	10.8	0.50	"	10.0		108	78-124	9.40	12	
Toluene	11.7	0.50	"	10.0		117	78-129	14.7	10	QR-07
Ethylbenzene	10.9	0.50	"	10.0		109	84-117	13.9	10	QR-07
Xylenes (total)	34.2	0.50	"	30.0		114	83-125	12.1	11	QR-07
Surrogate: 1,2-Dichloroethane-d4	*4.61*		"	*5.00*		*92.2*	*78-129*			
Laboratory Control Sample Dup (4C04030-BSD2)				Prepared: 03/04/04 Analyzed: 03/05/04						
Gasoline Range Organics	489	50	ug/l	440		111	70-113	6.34	9	
Methyl tert-butyl ether	11.0	0.50	"	10.1		109	63-137	9.52	13	
Benzene	6.03	0.50	"	6.48		93.1	78-124	3.20	12	
Toluene	35.9	0.50	"	29.7		121	78-129	2.20	10	
Ethylbenzene	7.79	0.50	"	7.20		108	84-117	3.03	10	
Xylenes (total)	40.8	0.50	"	33.7		121	83-125	2.42	11	
Surrogate: 1,2-Dichloroethane-d4	*5.28*		"	*5.00*		*106*	*78-129*			

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

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MNB0660
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/10/04 12:10

Notes and Definitions

Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
QR-07	The RPD was outside control limits. The results may still be useful for their intended purpose.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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

Chain of Custody Record

bp

Project Name 11132-GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MNB0640

Date: 2/23/09

On-site Time:	800 Temp: 50
Off-site Time:	1315 Temp: 55
Sky Conditions:	partly cloudy
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: 11132	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 3201 35TH AVENUE, OAKLAND, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. 11132	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100213	Consultant/Contractor Project No.:
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-2	1210		X			01	3	X				X				X	X	X	-Non-preserved vocs
2	MW-3	935		X			02	3				X	X				X	X	X	
3	MW-4	1000		X			03	3				X	X				X	X	X	
4	MW-5	1020		X			04	3				X	X				X	X	X	
5	MW-8	1045		X			05	3	X				X				X	X	X	*possible high hits non-preserved vocs
6	MW-9	1120		X			06	3				X	X				X	X	X	*possible high hit
7	MW-10	1050		X			07	3				X	X				X	X	X	*possible High hit
8	TB-11132-02232009	—					08	2				X								on hold
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: John DeJong		2/24/09	1432		2/24/09	1432
Sampler's Company: Blaine Tech Services		2/24/09	1605	Helen Hernandez	2/24/09	1605
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval ; * Heavy Sheen on Samples MW-8, MW-9, MW-10

Seals In Place Yes — No — Temperature Blank Yes ✓ No — Cooler Temperature on Receipt 4 °F/C — Trip Blank Yes ✓ No

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 3 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: bp
REC. BY (PRINT): NH
WORKORDER: MB0440

DATE REC'D AT LAB: 2-24-04
TIME REC'D AT LAB: 1605
DATE LOGGED IN: 2-24-04

DRINKING WATER for regulatory purposes: YES / (NO)
WASTE WATER for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS; CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent; (Intact) / Broken*			MW-2	(3) VOAs	—	L	2-23-04	
2. Chain-of-Custody (Present) / Absent*			MW-3	(3) VOAs	HCL			
3. Traffic Reports or Packing List: Present / (Absent)			MW-4	(3) VOAs	HCL			
4. Airbill: Airbill / Sticker (Present) / Absent			MW-5	(3) VOAs	↓			
5. Airbill #:			MW-8	↓ ↓	—			
6. Sample Labels: (Present) / Absent			MW-9		HCL			
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody			MW-10		↓			
8. Sample Condition: (Intact) / Broken* / Leaking*			TB-11132-022304	(2) VOAs	HCL	↓	↓	
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: 4°C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

2-24-04 HN

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

SRL rv 4.xls
Revision 4 (11/10/03)
Replaces Revision 3 (03/18/03)
Effective 11/10/03

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/12/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11132, Oakla
Work Order Number:	MNB0660
Global ID:	T0600100213
Lab Report Number:	MNB0660031020041210

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNB06600310200 41210	MW-10	MNB066007	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-2	MNB066001	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-3	MNB066002	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-4	MNB066003	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-5	MNB066004	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-8	MNB066005	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
MNB06600310200 41210	MW-9	MNB066006	W	CS	8260TPH	SW5030B	02/23/04	03/04/04	03/04/04	4C04030	1
		4C04030BSD1	WQ	BD1	8260TPH	SW5030B	/ /	03/04/04	03/05/04	4C04030	1
		4C04030BSD2	WQ	BD2	8260TPH	SW5030B	/ /	03/04/04	03/05/04	4C04030	1
		4C04030BS1	WQ	BS1	8260TPH	SW5030B	/ /	03/04/04	03/04/04	4C04030	1
		4C04030BS2	WQ	BS2	8260TPH	SW5030B	/ /	03/04/04	03/04/04	4C04030	1
		4C04030BLK1	WQ	LB1	8260TPH	SW5030B	/ /	03/04/04	03/04/04	4C04030	1

EDFSAMP: Error Summary Log

03/12/04

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

03/12/04

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					/ /	0

EDFRES: Error Summary Log

03/12/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
There are no errors in this data file						/ /	0	

EDFQC: Error Summary Log

03/12/04

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

03/12/04

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
There are no errors in this data file	/ /				

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 5787115991
Date/Time of Submittal: 3/12/2004 3:50:55 PM
Facility Global ID: T0600100213
Facility Name: BP
Submittal Title: 1st Qtr 2004 Monitoring Report #11132
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1st Qtr 2004 Geowell for #11132**
Submittal Date/Time:	**3/12/2004 3:53:32 PM**
Confirmation Number:	**6223789811**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.